

M a n u f a c t u r e r s i n c e 1 9 4 8

General CATALOGUE

FOLDING
SHEARING
ROLL FORMING
BEADING
SWAGING
ARCH-FOLDING
DECOILERS
CUTTING UNITS



 **JOUANEL**
industrie

**FOLDING
SHEARING
ROLL FORMING
BEADING
SWAGING
ARCH-FOLDING
DECOILERS
CUTTING UNITS**



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Manual building site folding machines - PCL

Machine sizes available: 1m and 1.20 m

Manual building site folding machines: PCL1020A and PCL1270A

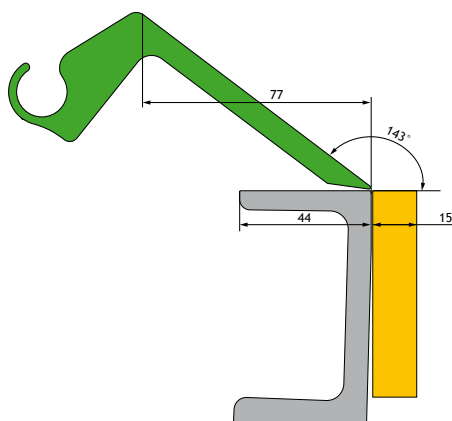
Ref. PCL1020A: High capacity, low weight!



DEMONSTRATION VIDEO
available on YouTube® / Channel
"Jouanel Industrie"

Standard equipment

- Narrow folding beam: 15 mm
- Max folding angle: 143°
- Foldable and removable legs **1**
- Clamping beam lock with an eccentric



Ref. PCL1020A and PCL1270A



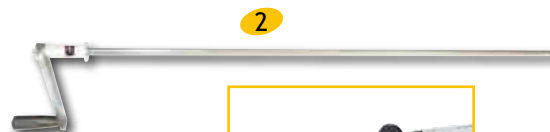
Ref. PCL1020A shown
with options



Ref. PCL1020A
folded
with option

Options

- Beading accessory with 13 mm Ø rod capacity zinc 0,65 mm Ref. **BAL1020MAN** **2** only for Ref. PCL1020A
- Beading accessory equipped with gear train **3** 14, 16 or 18 mm Ø (Ø to be specified upon order)
Ref. ABH14-1020, ABH16-1020, ABH18-1020 for Ref. PCL1020A
Ref. ABH14-1300, ABH16-1300, ABH18-1300 for Ref. PCL1270A
- Guide rail **4** for roller shear:
Ref. RCL1020B for Ref. PCL1020A
Ref. RCL1270B for Ref. PCL1270A
- Roller shear Ref. **CCM** **5** (guide rail required)
 - Handy, robust aluminum body
 - Tempered steel rollers for a longer lifespan
 - Guide rail and 2 grip handles ensure an accurate cut
 - Capacity zinc 0,8 mm



Space
for Ref. BAL1020MAN



Features	PCL1020A	PCL1270A
Useful folding length (mm)	1 020	1270
Capacity zinc (mm)	0,8	0,7
Capacity S235JR steel (mm)	0,6	0,55
Clamping beam opening (mm)	60	60
Cutting device option	yes	yes
Beading accessory option	yes	yes
Dimensions (mm) - legs excluded	1 200 x 300 x 150	1 450 x 300 x 170
Net weight (kg) - legs included	39	53

Minimum fold width = 15 times the thickness

Capacity of beading accessory with gear train* (mm)	ABH	
	1020A	1270A
Ø 14	0,8	0,7
Ø 16	1	0,8
Ø 18	1	1

* Capacity zinc or copper (in mm)

Manual building site folding machine - PCA

Folding machine PCA available in 2m

Manual building site folding machine: PCA2040

It's portable!

Standard equipment

- Folding beam with narrow 15-mm interchangeable tool in tempered steel
- Interchangeable 158° clamping beam tool in tempered steel
- Clamping beam operating lever on the right side of the machine **1**
- Clamping beam lock with an eccentric
- Angle scale **2**
- Folding beam crowning adjustment **3**
- Handle to lower or raise the machine **4**
- Two 200-mm Ø wheels for easy handling

Note: To flatten folds on this model, using the OFP-180 hem closing tool is required (see additional equipment)



PCA2040 model shown with options



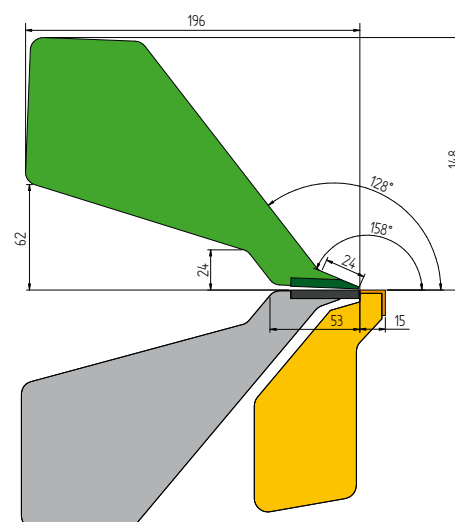
DEMONSTRATION VIDEO
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Model PCA2040 folded, shown without options



PCA2040 Model folded, shown without options



Features	PCA2040
Useful folding length (mm)	2 040
Capacity zinc / 1050-H44 aluminum (mm)*	0,8
Capacity steel (mm)*	0,63
Clamping beam tool angle	158°
Clamping beam opening (mm)	60
Dimensions (mm)	2 330 x 650 x 1070
Dimensions when folded (mm)	2 330 x 650 x 640
Table height (folding machine completely unfolded) (mm)	900
Net weight (without accessories) (kg)	80

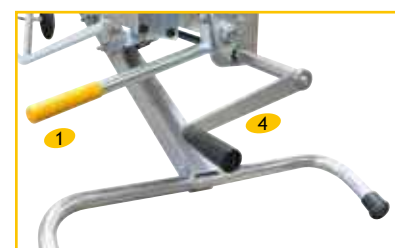
min. fold width = 15 mm

*not for flattening folds



Options (see details P15 to 17)

- Sliding back gauge type X - from 55 to 510 mm:
2 adjustable gauge arms Ref. PCAB2040
1 adjustable gauge arm Ref. PCABS2
- Aluminum beading accessory with gear train for 14 or 16mm Ø rods Ref. ABA2040 **5**
(Please specify Ø upon order)
- Guide rail for roller shear Ref. RCA2040
- Roller shear Ref. CCMA **6**
- 180° Hem closing tool Ref. OFP-180



Manual building site or workshop folding machines - PCX



In a workshop or on a building site, it can do everything!

The PCX machine structure is very sturdy and provides excellent folding quality on a building site or in a workshop

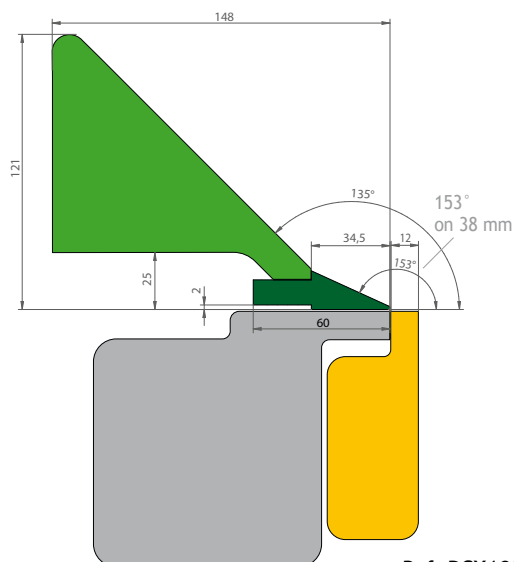
Machine sizes available: 1m, 2m, 2.50 m and 3m

Manual building site or workshop folding machine: PCX1020



Ref. PCX1020
shown with options

Stretcher-type
handling device



Ref. PCX1020

Standard equipment

- Narrow folding beam: 12 mm
- Interchangeable clamping beam tool: 27°
- Cylinder to easily open the clamping beam
- Quick adjustment of the clamping beam opening
- Quick locking of the clamping beam with an eccentric
- Adjustable table, clamping and folding beams for higher accuracy
- Graduated angle gauge for series folding
- Folding beam crowning adjustment
- Removable legs
- Stretcher-type handling device

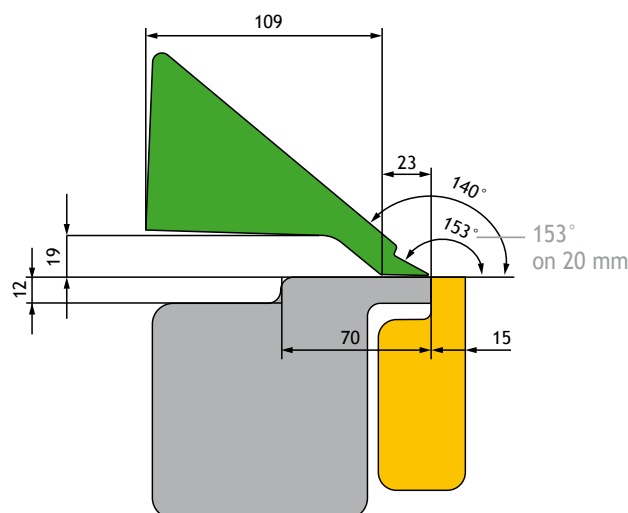
Manual building site or workshop folding machines: PCX2040A and PCX2540A

Standard equipment

- Narrow folding beam: 15 mm
- Clamping beam tool: 27°
- Cylinder to easily open the clamping beam
- Quick adjustment of the clamping beam opening
- Quick locking of the clamping beam by eccentric
- Adjustable table, clamping and folding beams for higher accuracy
- Graduated angle gauge for series folding
- Folding beam crowning adjustment
- Removable legs



Ref. PCX2040A
shown with options



Ref. PCX2040A and PCX2540A

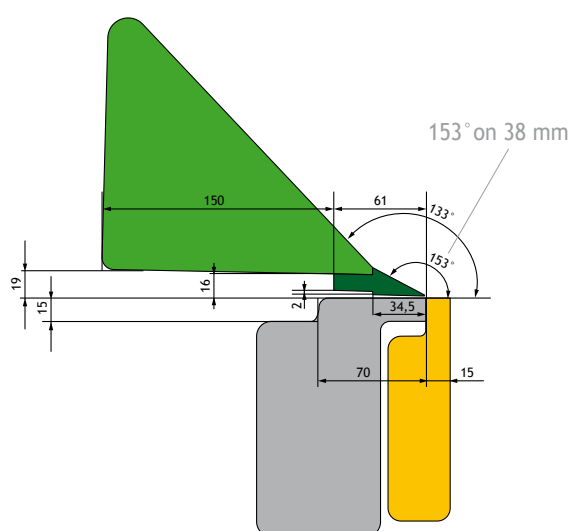
Manual building site or workshop folding machine: PCX3080A

Standard equipment

- Narrow folding beam: 15 mm
- Interchangeable clamping beam tool: 27°
- Cylinder to easily open the clamping beam
- Quick adjustment of the clamping beam opening
- Quick locking of the clamping beam with an eccentric
- Adjustable table, clamping and folding beams for higher accuracy
- Graduated angle gauge for series folding
- Folding beam crowning adjustment
- Removable legs



Ref. PCX3080A
shown with options



Graduated angle gauge



Quick adjustment
of the clamping beam opening

Features	PCX1020	PCX2040A	PCX2540A	PCX3080A
Useful folding length (mm)	1 020	2 040	2 540	3 080
Capacity Stainless steel / 1050-H44 aluminum (mm)	0,7 / 1,5	0,6 / 1,0	0,6 / 1,0	0,6 / 1,0
Capacity zinc / S235JR steel (mm)	1,5 / 1,2	1,0 / 0,7	1,0 / 0,7	1,0 / 0,7
Clamping beam opening (mm)	70	70	70	80
Dimensions (mm)	1266 x 1022 x 660	2 260 x 1 040 x 600	3 100 x 1 060 x 600	3 650 x 1 060 x 650
Gross weight (kg)	104	160	240	350

Minimum fold width = 15 times the thickness

Options

- Set of 4 wheels for folding machines PCX1020, PCX2040A and PCX2540A: Ref. **PCXR2040** ①
Set of 4 wheels for folding machine PCX3080A: **PCXR3040** ②
- Clamping foot pedal for folding machine PCX1020: Ref. **PCXP1020** ③
Clamping foot pedal for folding machines PCX2040A and PCX2540A: Ref. **PCXP2040A** ④
Clamping foot pedal for folding machine PCX3080A: **PCXP3040** ⑤
- Other options: see pages 15 to 17



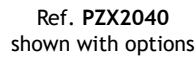
①



②

This machine is the first manual workshop folding machine developed in collaboration with an ergonomist: the central release of the folding beam offers optimal operator position and minimizes the effort required for sheet metal bending. Its numerous adjustment possibilities and additional equipment maximize productivity and flexibility, making it the ultimate workshop folding machine!

- **Manual workshop folding machines: PZX2040 and PZX2540**

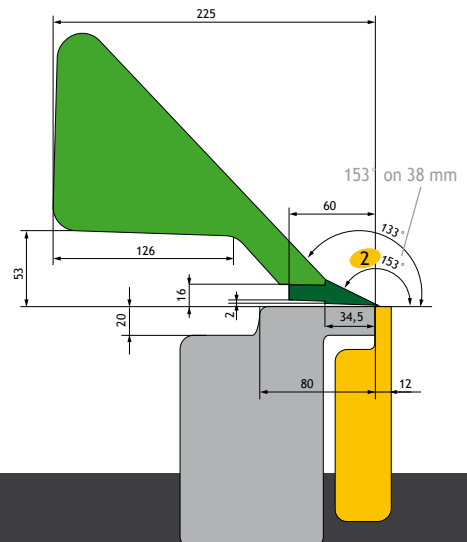


- Ergonomic folding beam with narrow 12 mm-tool to make close reverse bends (ex. flashing) **1**
- Interchangeable clamping beam tool: 27° **2**
- Cylinder assists bending and ensures work reliability and rapidity
- Angle scale **3**
- Graduated angle gauge enabling an accurate stop of the folding beam for series folding **4**
- Clamping **5** / opening foot pedal **6**
- Console and tool support **7** (left-hand or right-hand assembly)
- Operating lever of the clamping beam on the right side of the machine **8**



4 Graduated angle gauge

Minimum fold width = 15 times the thickness



8

Manual workshop folding machines - PVX

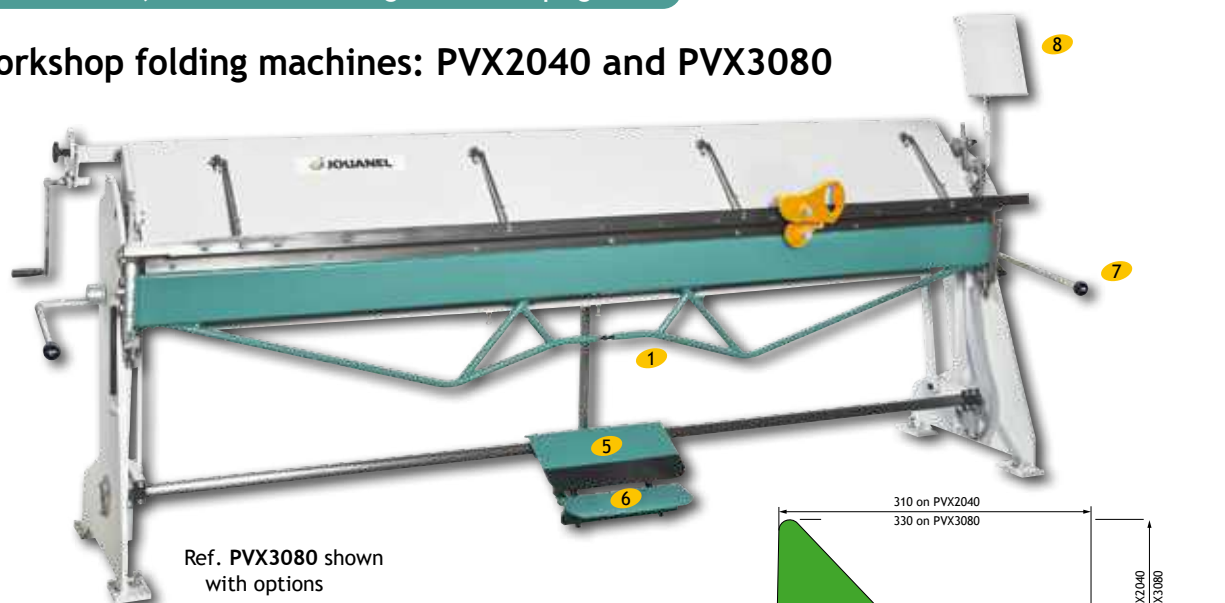
As with the PZX machines, the PVX manual folding machine is also one of the models designed with an ergonomic folding beam, suitable for daily work in workshops. The central release of the folding beam allows the operator an optimal position which minimizes the effort required for repetitive folding.

The sleek and robust engineering design of the PVX machine provides high rigidity for excellent folding quality as well as high accuracy, even with thicker sheets. Its numerous adjustment options and additional equipment provide even more productivity and flexibility of use.

Machine sizes available: 2 m and 3 m

Exist in manual version, semi-electric and segmented clamping beam

Manual workshop folding machines: PVX2040 and PVX3080



Standard equipment

- Ergonomic folding beam with narrow 15 mm interchangeable tool for making close reverse bends **1**
- Interchangeable clamping beam tool: 27° **2**
- Cylinder assists bending and ensures work reliability and rapidity, rotation of folding beam on needle roller bearings
- Angle scale **3**
- Graduated angle gauge **4**
- Operation of the upper beam by clamping **5** / opening foot pedal **6** and with a lever on both sides of the machine **7**
- Vertical adjustment of the folding beam is easy using the graduated wheel, allowing the radius setting and facilitating reverse bends
- Console and tool support **8**
- Folding beam pins mounted on roller bearings

Features	PVX2040	PVX3080
Useful folding length (mm)	2040	3080
Capacity zinc / S235JR steel (mm)*	1,5/1,2	1,2/1,0
Clamping beam opening (mm)	110	110
Dimensions (mm)	2 738 x 795 x 1 215	3 775 x 795 x 1 215
Gross weight (kg)	620	850

* Capacity with standard tool of 15 mm



3 Angle scale

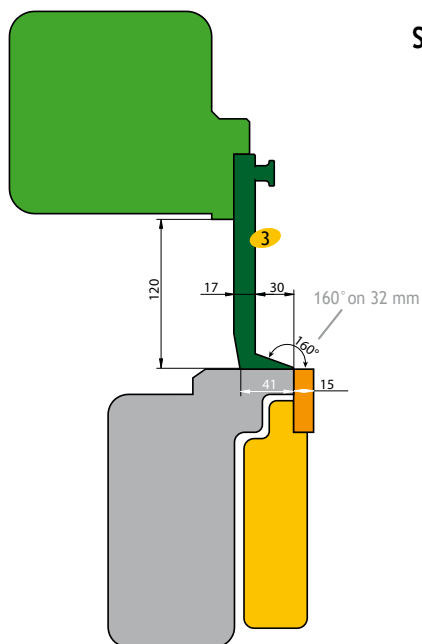
4 Graduated angle gauge

Options

- Additional narrow 12 mm-folding beam tool Ref. PVX-REG12-2040 / PVX-REG12-3080 (capacity - 30%)
- Additional wide 20 mm-folding beam tool Ref. PVX-REG20-2040 / PVX-REG20-3080 (capacity + 20%)
- Other options: see pages 15 to 17

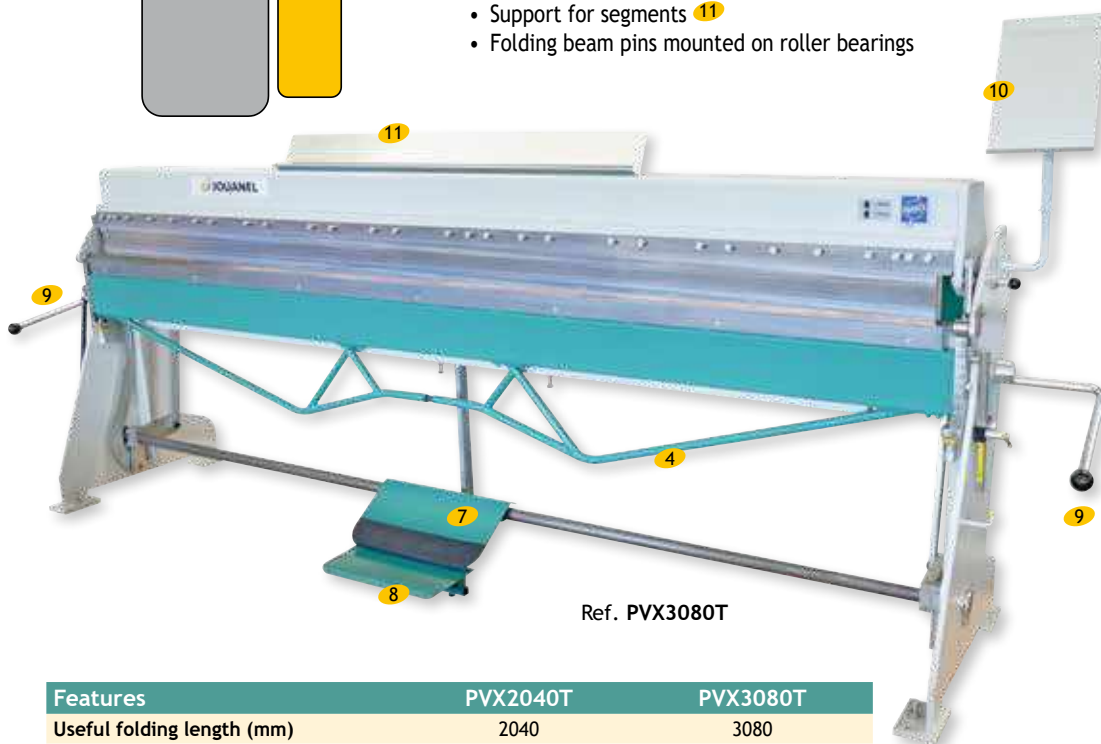
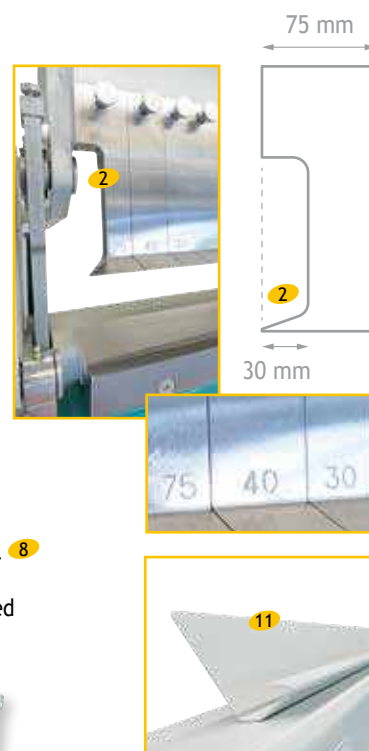
Manual workshop folding machines with segmented clamping beam - PVXT

Manual workshop folding machines with segmented clamping beam: PVX2040T and PVX3080T



Standard equipment

- Quick disassembly of the segments with pull-device **1**
- Clamping beam with engraved segments (width of the segments)
- Left **2** and right corner segments (30 mm)
- Interchangeable clamping beam segmented tool: 20° **3**
- Automatic clamping beam lock
- Ergonomic folding beam **4** with narrow 15 mm interchangeable tool for making close reverse bends
- Cylinder assists bending and ensures work reliability and rapidity, rotation of folding beam on needle roller bearings
- Graduated angle gauge **5**
- Angle scale **6**
- Operation of the upper beam by clamping **7** / opening foot pedal **8** and with a lever on both sides of the machine **9**
- Vertical adjustment of the folding beam is easy using the graduated wheel, allowing the radius setting and facilitating reverse bends
- Console and tool support **10**
- Support for segments **11**
- Folding beam pins mounted on roller bearings



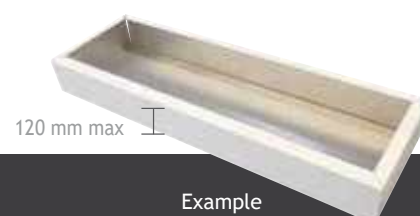
Ref. PVX3080T

Features	PVX2040T	PVX3080T
Useful folding length (mm)	2040	3080
Capacity zinc / S235JR steel (mm)*	1,2 / 1	1 / 0,8
Clamping beam tool angle	160°	160°
Clamping beam opening (mm)	95	95
Useful segment height (mm)	120	120
Dimensions (mm)	2710 L x 800 l x 1400 H	3750 L x 800 l x 1400 H
Gross weight (kg)	670	915
Useful segment height (mm)	25, 30, 35, 50, 75, 75, 100, 150, 200, 200, 200, 300, 300, 300	25, 30, 35, 40, 50, 75, 75, 100, 100, 150, 150, 200, 200, 250, 250, 250, 300, 300, 300

* Capacity with standard 15 mm-tool

Options

- Additional narrow 12 mm-folding beam tool Ref. PVX-REG12-2040 / PVX-REG12-3080 (capacity - 30%)
- Additional wide 20 mm-folding beam tool Ref. PVX-REG20-2040 / PVX-REG20-3080 (capacity + 20%)
- Other options: see pages 15 to 17

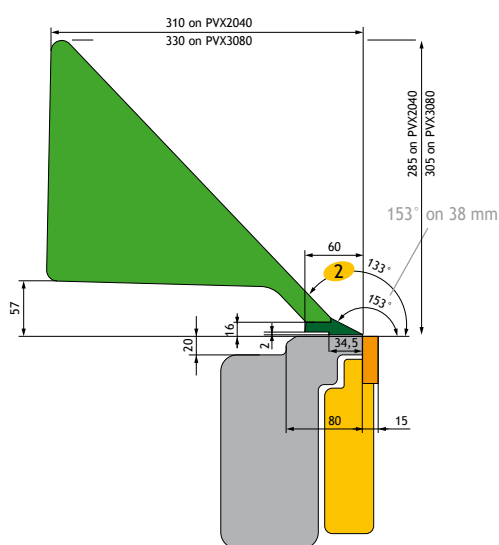


Example

• Semi-electric workshop folding machines: PVX2040PE and PVX3080PE

PVXPE folding machines with electric clamping beams have the same folding capacities as the PVX manual machines. The electric clamping beam lock gives the operator more comfort, ergonomics and faster working speed.

- The clamping beam releases automatically upon fold completion, no need for pedal activation
- Moveable foot operated control, more convenient for clamping large-sized sheets
- Flattening folds is easy and effortless with this motorized clamping beam
- Clamping beam height can be adjusted easily
- Security device prevents crushing



Ref. PVX3080PE

Standard equipment

- Ergonomic folding beam **1** with narrow 15 mm interchangeable tool for making close reverse bends
- Interchangeable clamping beam tool: 20° **2**
- Cylinder assists bending, ensures work reliability and rapidity, rotation of folding beam on needle roller bearings
- Graduated angle gauge **3**
- Angle scale **4**
- Clamping operated by foot pedal **5**
- Automatic clamping beam release once folding is complete
- Manual release operated by foot pedal **6**
- Vertical adjustment of the folding beam is easy using the graduated wheel, allowing the radius setting and facilitating reverse bends
- Console and tool support **7**
- Folding beam pins mounted on roller bearings



3 Graduated angle gauge



4 Angle scale

• Options

- Additional narrow 12 mm-folding beam tool
Ref. PVX-REG12-2040 and PVX-REG12-3080 (capacity - 30%)
- Additional wide 20 mm-folding beam tool
Ref. PVX-REG20-2040 and PVX-REG20-3080 (capacity + 20%)
- Other options: see pages 15 to 17

Features	PVX2040PE	PVX3080PE
Useful folding length (mm)	2040	3080
Capacity zinc / S235JR steel (mm)*	1,5/1,2	1,2/1,0
Clamping beam opening (mm)	110	110
Power supply (V)**	220 V single-phase	220 V single-phase
Power (kW)	0,25	0,25
Dimensions (mm)	2 600 x 795 x 1 215	3 600 x 795 x 1 215
Gross weight (kg)	706	936

* Capacity with standard 15 mm-tool

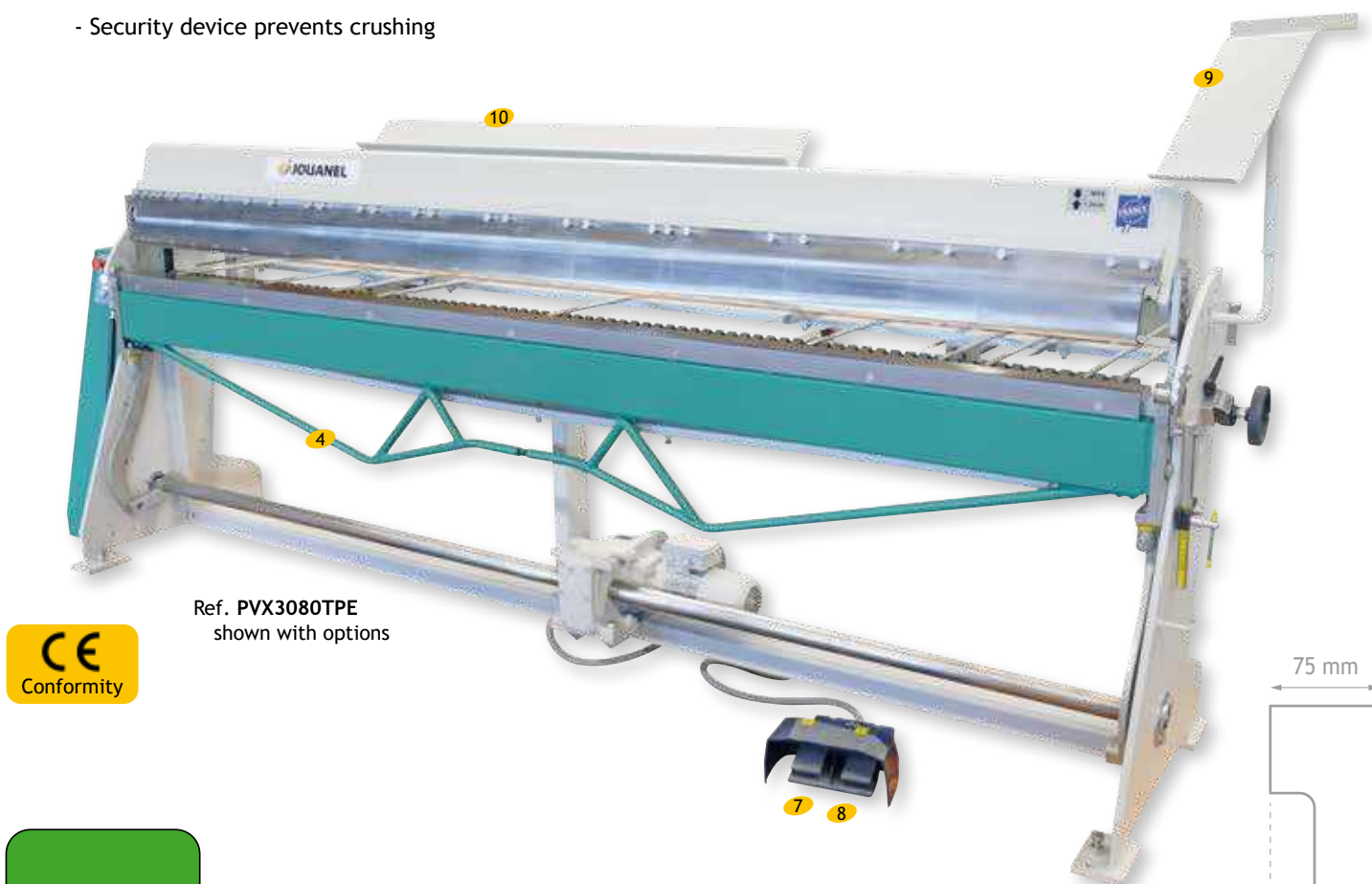
** Voltage choice to be specified upon order

Semi-electric folding machines with segmented clamping beam - PVXTPE

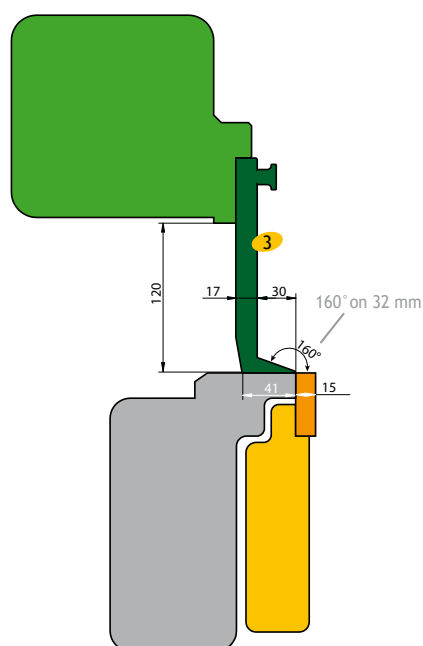
● Semi-electric folding machines with segmented clamping beam: PVX2040TPE and PVX3080TPE

PVXTPE folding machines with electric clamping beams have the same folding capacities as the PVXT manual machines. The electric clamping beam lock gives the operator more comfort, ergonomics and faster working speed.

- The clamping beam releases automatically upon fold completion, no need for pedal activation
- Moveable foot operated control, more convenient for clamping large-sized sheets
- Flattening folds is easy and effortless with this motorized clamping beam
- Clamping beam height can be adjusted easily
- Security device prevents crushing

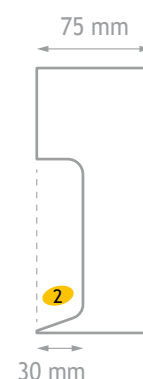


Ref. PVX3080TPE
shown with options

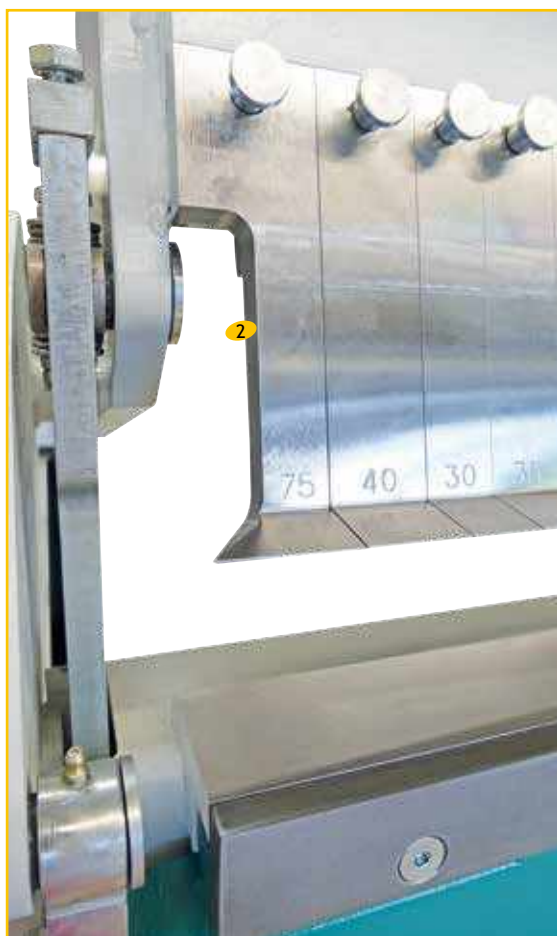


Standard equipment

- Quick disassembly of the segments with pull-device **1**
- Clamping beam with engraved segments (width of the segments)
- Left **2** and right corner segments (30 mm)
- Interchangeable clamping beam segmented tool: 20° **3**
- Automatic clamping beam lock
- Ergonomic folding beam **4** with narrow 15mm interchangeable tool for making close reverse bends
- Cylinder assists bending and ensures work reliability and rapidity, rotation of folding beam on needle roller bearings
- Graduated angle gauge **5**
- Angle scale **6**
- Clamping operated by foot pedal **7**
- Automatic clamping beam release once folding is complete
- Manual release operated by foot pedal **8**
- Vertical adjustment of the folding beam is easy using the graduated wheel, allowing the radius setting and facilitating reverse bends
- Console and tool support **9**
- Support for segments **10**
- Folding beam pins mounted on roller bearings



Semi-electric folding machines with segmented clamping beam - PVXTPE



1 Quick disassembly of the segments
with pull-device

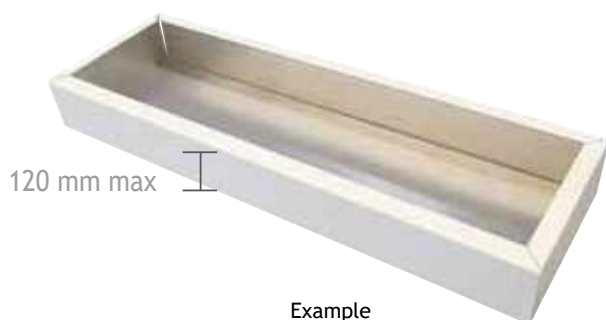
5 Graduated
angle gauge

6 Angle scale

Features	PVX2040TPE	PVX3080TPE
Useful folding length (mm)	2040	3080
Capacity zinc / S235JR steel (mm)*	1,2 / 1	1 / 0,8
Clamping beam tool angle	160°	160°
Clamping beam opening (mm)	95	95
Useful segment height (mm)	120	120
Dimensions (mm)	2 600 L x 800 l x 1400 H	3 600 L x 800 l x 1400 H
Gross weight (kg)	855	1130
Power supply (V)**	220 V single-phase	220 V single-phase
Power (kW)	0,25	0,25
Segments width (mm)	25, 30, 35, 50, 75, 75, 100, 150, 200, 200, 200, 300, 300, 300	25, 30, 35, 40, 50, 75, 75, 100, 100, 150, 150, 200, 200, 200, 250, 250, 250, 300, 300, 300

* Capacity with standard 15 mm-tool

** Voltage choice to be specified upon order



Options

- Additional narrow 12 mm-folding beam tool
Ref. PVX-REG12-2040 and PVX-REG12-3080 (capacity - 30%)
- Additional wide 20 mm-folding beam tool
Ref. PVX-REG20-2040 and PVX-REG20-3080 (capacity + 20%)
- Other options: see pages 15 to 17

Machine size available: in 2 m
Exist in semi-electric version

● PBS: the reliability in all its forms

Exists as standard in manual version.

For electric clamping and segmented clamping beam tool:
please contact us.

- Folding beam equipped with a narrow and interchangeable tool of 15 mm and a wide tool of 25 mm in order to increase the folding capacity (refer to table for wide folding beam)
- Adjustable angle gauge with scale from 0 to 160° enabling to make accurate and identical folds
- Interchangeable clamping beam tool for the assembly of special tools.
- Clamping beam lifted up by a pedal enabling to keep hands free
- Quick locking of the clamping beam by eccentric
- Horizontal adjustment of the folding beam for the folding radius
- Lateral release allowing the passage of a sheet metal edge lifted up by 50 mm or a hem of Ø 18 mm to the top and 20 mm to the bottom

● Options: see pages 15 to 17



Ref. PBS2040-15
shown with options

Features	PBS2040-15	
Useful folding length (mm)	2 040	
Capacity (mm)	Wide 40mm folding beam tool	Narrow 15 mm folding beam tool
S235JR steel	1,5	1,0
1050-H44 aluminum / Zinc / Copper	2,0	1,2
Stainless steel	0,8	0,5
Galvanized steel	1,2	0,8
Clamping beam opening (mm)	80	
Dimensions (mm)	2 700 x 1 000 x 1 450	
Gross weight (kg)	680	

Minimum fold width: 15 times the thickness

Manual workshop folding machines - PVS

Machine sizes available: 2 m and 3 m

● PVS: automatic clamping beam opening device

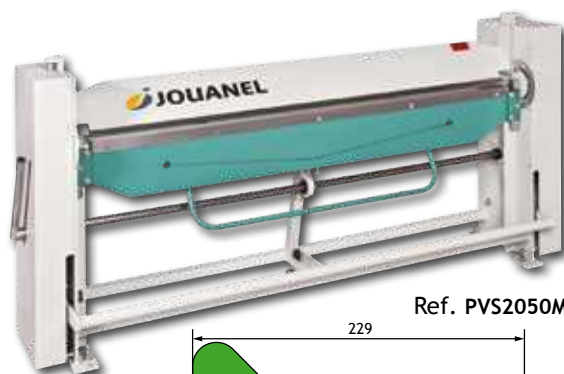
Automatic release of the clamping beam when the folding beam lowers.
JOUANEL patent which saves time by removing the opening operation.

Standard equipment

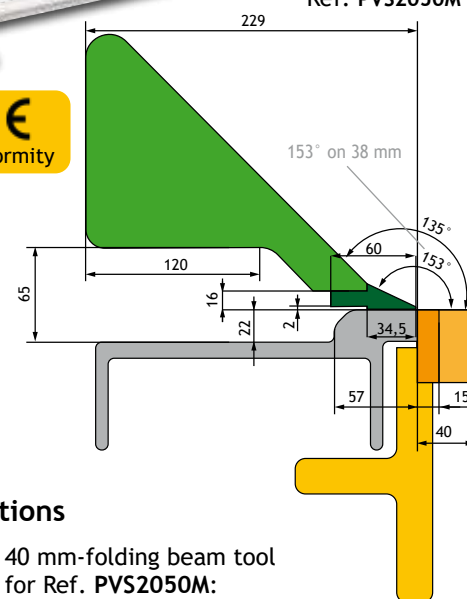
- Opening with 2 positions: 15 mm and 65 mm
- Folding beam bearings and clamping beam shaft fitted on double ball bearings
- Vertical adjustment of the folding beam enabling the radius setting and easily makes the reverse bend
- Clamping beam locking pedal accessible over the whole length of the machine
- Hollow clamping beam tool to close the folds
- Balance of the folding beam by spring providing flexibility and rapidity
- Clamping and folding beam tool made of steel
- Narrow folding beam tool: 15 mm as standard on Ref. PVS2050M
- Folding beam tool: 15 or 40 mm on Ref. PVS3080MR (to be specified upon order)

Features	PVS2050M		PVS3080MR	
Useful folding length (mm)	2 040		3 080	
Capacity (mm)	Wide 40mm folding beam tool	Narrow 15 mm folding beam tool	Wide 40mm folding beam tool	Narrow 15 mm folding beam tool
steel S235JR	1,5	1,0	1,2	0,8
1050-H44 aluminum	2,0	1,2	1,5	1,0
Stainless steel	0,8	0,6	0,6	0,5
Zinc, copper	1,6	1,0	1,6	1,0
Clamping beam opening (mm)	65		68	
Dimensions (mm)	2 535 x 570 x 1 265		3 535 x 570 x 1 265	
Gross weight (kg)	710		940	
Table height (mm)	930		930	

Minimum fold width = 15 times the thickness



Ref. PVS2050M



● Options

- 40 mm-folding beam tool for Ref. PVS2050M: Ref. PVS-REG40-2M
- 15 or 40 mm-folding beam tool for Ref. PVS3080MR: Ref. PVS-REG15-3080 or Ref. PVS-REG40-3080
- Other options: see pages 15 to 17

Additional equipment for PCA, PCX, PZX, PVX, PBS, PVS

BACK GAUGES

Sliding back gauge type GAS ❶

- For folding machines PBS, 2 adjustable gauge arms from 25 to 500 mm, Ref. **PBS-GAS**



Sliding back gauge type X ❷

- For folding machine Ref. PCA2040, 2 adjustable gauge arms from 55 to 510 mm, Ref. **PCAB2040**
- For folding machine Ref. PCA2040, adjustable gauge arm from 55 to 510 mm, Ref. **PCABS2**
- For folding machine Ref. PCX1020, 2 adjustable gauge arms from 40 to 510 mm, Ref. **PCXB1020**
For folding machines Ref. PCX2040A and PZX2040, 2 adjustable gauge arms from 40 to 510 mm, Ref. **PCXB2040**
For folding machines Ref. PCX2540A and PZX2540, 2 adjustable gauge arms from 40 to 510 mm, **PCXB2540**
- For folding machines Ref. PCX1020, PCX2040A, PCX2540A and PZX2040, PZX2540, additional gauge arm from 40 mm to 510 mm, Ref. **PCXBS2-2.5**
- For folding machine Ref. PCX3080A, 2 adjustable gauge arms from 65 to 530 mm, Ref. **PCXB3040**
- For folding machine Ref. PCX3080A, additional gauge arm from 65 to 530 mm, Ref. **PCXBS3**
- For folding machines Ref. PVX2040, Ref. PVX2040T, Ref. PVX2040PE, Ref. PVX2040TPE, 2 adjustable gauge arms from 60 to 750 mm, Ref. **PVXB2040**
For folding machines Ref. PVX3080, Ref. PVX3080T, Ref. PVX3080PE, Ref. PVX3080TPE, 2 adjustable gauge arms from 60 to 750 mm, Ref. **PVXB3080**
- For folding machines Ref. PVX2040, Ref. PVX2040T, Ref. PVX2040PE, Ref. PVX2040TPE, Ref. PVX3080, Ref. PVX3080T, Ref. PVX3080PE, Ref. PVX3080TPE, additional gauge arm: 750 mm, Ref. **PVXBS-C750**
- For folding machines Ref. PVS2050M and PVS3080MR 2 adjustable gauge arms from 60 to 750 mm, Ref. **PVSB2040** and **PVSB3080**
- For folding machines Ref. PVS2050M and PVS3080MR additional gauge arm up to: 750 mm, Ref. **PVSB-C750**



Rack-operated back gauge type GAC, equipped with a digital counter ❸

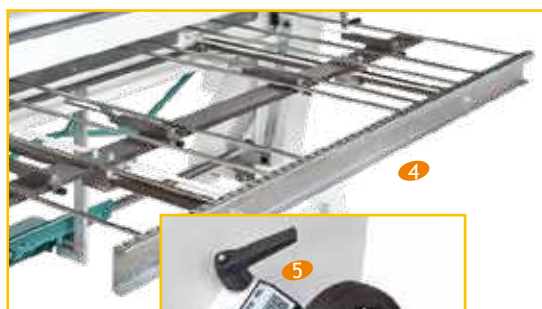
- For folding machines Ref. PBS2040 and Ref. PBS2540, adjustable from 25 to 500 mm, Ref. **GAC-PZA-PBS-PZS**



Belt-type back gauge ❹

Gauge equipped with 4 repositionable fingers over the length, setting of the gauge by digital counter ❺, lateral control

- For folding machine Ref. PVS2050M adjustable gauge from 5 to 500 mm, Ref. **PVSBC2040**
- For folding machine Ref. PVS3080MR adjustable gauge from 5 to 750 mm, Ref. **PVSBC3080**
- For folding machines Ref. PVX2040, Ref. PVX2040T, Ref. PVX2040PE, Ref. PVX2040TPE, adjustable gauge from 5 to 750 mm, Ref. **PVXBC2040**
For folding machines PVX3080, Ref. PVX3080T, Ref. PVX3080PE, Ref. PVX3080TPE, adjustable gauge from 5 to 750 mm, Ref. **PVXBC3080**
- For folding machines Ref. PVX2040, Ref. PVX2040T, Ref. PVX2040PE, Ref. PVX2040TPE, adjustable gauge from 5 to 750 mm, Ref. **PVXBC2040**
- For folding machine Ref. PZX2040, adjustable gauge from 5 to 750 mm, Ref. **PZXBC2040**



Additional equipment for PCA, PCX, PZX, PVX, PBS, PVS

WORKSHOP BENCH AND BACK TABLES

Zinc workbench adapted to folding machine ⁶

Length 2 090 x 1 500 mm
Table with incorporated setting tools for metal sheet tracing
3 storage levels and 4 racks

- For folding machine Ref. PBS2040, Ref. ETB2040

Workshop bench equipped with cutting accessories and clamping beam with guide rail (OPTIONS)



Back table for folding machine ⁷

Table equipped with full lengthwise tool
Integrated and adjustable sliding back gauge

- Length 2 000 mm x 1 280 mm

- For folding machine Ref. PCX2040A, Ref. ETBX2040C gauge stroke 45 to 1000 mm
- For folding machine Ref. PZX2040, Ref. ETBX2040 gauge stroke 60 to 1000 mm
- For folding machines Ref. PVX2040, Ref. PVX2040T, Ref. PVX2040PE, Ref. PVX2040TPE :
Ref. ETBX2040V gauge stroke 60 to 1000 mm

- Length 2 500 mm x 1 280 mm

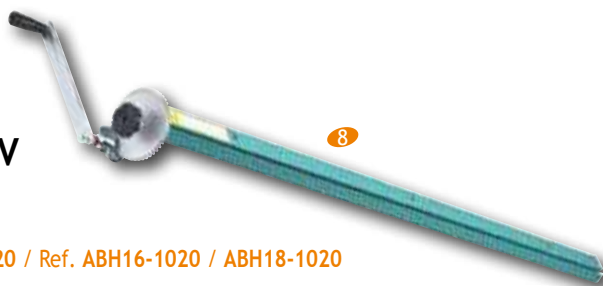
- For folding machine Ref. PCX2540A, Ref. ETBX2540C gauge stroke 45 to 1000 mm
- For folding machine Ref. PZX2540, Ref. ETBX2540 gauge stroke 60 to 1000 mm



BEADING ACCESSORIES

Beading accessory with gear train: 14, 16 or 18 mm Ø, type ABH and ABV (Please specify the Ø upon order)

- For folding machine Ref. PCX1020 Ref. ABH14-1020 / Ref. ABH16-1020 / ABH18-1020
- For folding machines Ref. PCX2040A and PZX2040 Ref. ABH14-16-2040 / ABH18-2040
- For folding machines Ref. PCX2540A and PZX2540 Ref. ABH16-2540 / ABH18-2540
- For folding machine Ref. PCX3080A Ref. ABH16-3080 / ABH18-3080
- For folding machine Ref. PBS2040 Ref. ABH14-16-2040BS / ABH18-2040BS
- For folding machine Ref. PVS2050M Ref. ABH14-16-2040VS / ABH18-2040VS
- For folding machine Ref. PVS3080MR Ref. ABH16-3080VS / ABH18-3080VS
- For folding machines Ref. PVX2040, Ref. PVX2040T Ref. PVX2040PE, Ref. PVX2040TPE :
..... Ref. ABV14-16-2040 / ABV18-2040
- For folding machines Ref. PVX3080, Ref. PVX3080T Ref. PVX3080PE, Ref. PVX3080TPE :
..... Ref. ABV16-3080 / ABV18-3080



Capacity of beading accessory with gear train* (mm)	ABH/ABV			
	1020	2040	2540	3080
Ø 14	0,80	0,65	-	-
Ø 16	1,00	0,80	0,65	0,55
Ø 18	1,00	0,80	0,80	0,70

* Capacity zinc or copper (in mm)

Beading accessory with gear train Ø 14, 16 mm type ABA (Specify the Ø upon order)

- For folding machine Ref. PCA2040 Ref. ABA2040



Zinc capacity (mm)	ABA2040
14-mm Ø rod (make a bead with 16-mm outer. Ø)	0,65
16-mm Ø rod (make a bead with 18-mm outer. Ø)	0,80

Additional equipment for PCA, PCX, PZX, PVX, PBS, PVS

CUTTING ACCESSORIES

● RCS and RGS: Guide rails ⁹ (for CCM roller shear)

- For folding machine Ref. PCX1020 Ref. RCX1020
- For folding machine Ref. PCX2040A Ref. RCX2040A
- For folding machines Ref. PCX2540A and PZX2540 Ref. RCX2540A
- For folding machine Ref. PCX3080A Ref. RCX3080
- For folding machine Ref. PBS2040 Ref. RGS2040A



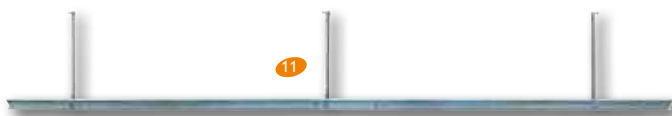
● Roller shear: CCM ¹⁰ (guide rail required)

- Handy, robust aluminum body
- Tempered steel rollers for a longer lifespan
- Guide rail and 2 grip handles for an accurate cut
- Capacity zinc 0,8 mm, steel 0,63 mm



● Guide rail: RCA, RZX and RVX ¹¹ (for roller shear CCMA)

- For folding machine Ref. PCA2040, Ref. RCA2040
- For folding machine Ref. PZX2040, Ref. RZX2040A
- For folding machine Ref. PVX2040, Ref. RVX2040
- For folding machine Ref. PVX3080, Ref. RVX3080



● Roller shear: CCMA ¹² (guide rail required)

- Handy, robust aluminum body
- Tempered steel rollers for a longer lifespan
- Guide rail and 2 grip handles ensure an accurate cut
- Capacity zinc 0,8 mm - steel 0,7 mm - 1050-H44 aluminum 0,8 mm



MISCELLANEOUS



● 180° Hem closing tool: OFP-180

for regular folding over the whole length

- From a seam at 135° it enables a plating at 180°
- Sets of 4 rollers
- Adjustable final roller for a perfect setting, according to material and thickness
- Folding capacity 0,8 mm steel



DEMONSTRATION VIDEO

available on YouTube® / Channel "Jouanel Industrie"



Segmented folding machines - HS

● Folding machines type HS23, HS33: segmented clamping beam, table and folding beam

On the top or on the bottom, or bend all 4 sides!

This powerful and handy segmented folding machine is specially designed for folding parts requiring complex shapes.

With various positioning possibilities of the upper and lower segments, enjoy the freedom of manufacturing different types of boxes, for roofing, cladding, chimney siding and trim, etc.

Machine sizes available: 1 m and 1.25 m

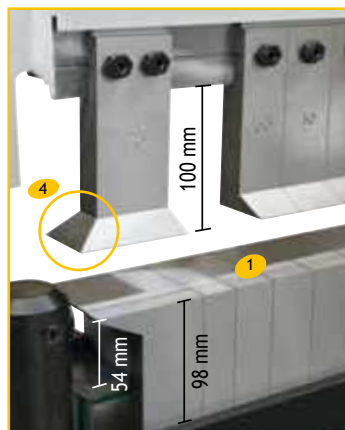
Standard equipment

- Segmented clamping beam, table and folding beam **1**
- Clamping beam with engraved segments (width of segments)
- Clamping foot pedal keeps hands free during positioning and adjustment of the part to be folded **2**
- Automatic clamping beam lock **3**
- Left **4** and right corner segments
- Folding beam height adjustment to change the folding radius according to the thickness of the material **5**
- Adjustment of the height and the clamping pressure **6**
- Angle gauge adjustment for series folding
- Segments in tempered steel
- Two handles to operate the folding beam
- Key for segment removal included

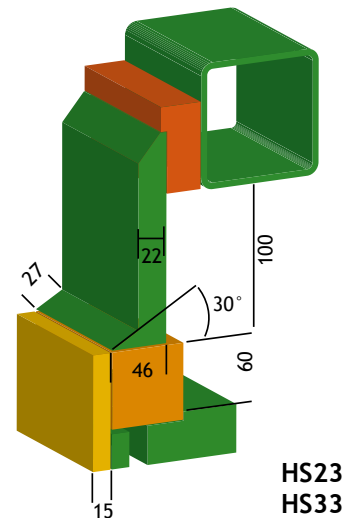
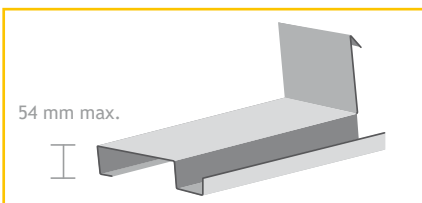


Ref. HS23

YouTube DEMONSTRATION VIDEO available on YouTube® / Channel "Jouanel Industrie"



Examples of works made with ref. HS23 or HS33



HS23
HS33

Features	HS23	HS33
Useful folding length (mm)	1 020	1 270
Capacity stainless steel / 1050-H44 aluminum (mm)	1,2 / 2,5	1 / 2
Capacity S235JR steel (mm)	2	1,5
Maximum folding angle	150°	150°
Clamping beam opening (mm)	50	50
Height of the table segments (mm)	54	54
Height of the folding beam segments (mm)	98	98
Useful segment height (mm)	100	100
Dimensions (mm)	1 350 x 850	1 600 x 900
Gross weight (kg)	385	415

Segments distribution - HS23

No of segments: 12

Width (mm)	25	30	35	40	45	50	75*	100	200	270
Quantity	1	1	1	1	1	1	3	1	1	1

*For width of 75 mm: 1 straight segment, 1 left corner segment and 1 right corner segment

Segments distribution - HS33

No of segments: 13

Width (mm)	25	30	35	40	45	50	75*	100	200	250	270
Quantity	1	1	1	1	1	1	3	1	1	1	1

* For a width of 75 mm: 1 straight segment, 1 left corner segment and 1 right corner segment

● Option: set of two sliding back gauges

- Ref HS23B and Ref HS33B, with a range of 60 to 750 mm, for HS23 and HS33 folding machines. The back gauge arms allow the metal sheet to be positioned to the desired dimensions and support it in the back. Each back gauge arm has 4 retractable tilting stops that can be adjusted and used independently. Minimum distance between 2 fingers (mm): 48 mm

Segmented folding machines - HS

Folding machines type HS2S, HS3S: segmented clamping beam and folding beam

A universal and multi-purpose folding machine!

This manual segmented folding machine is strong, easy to handle and above all versatile. It can be used both as classical folding machine with the added advantage of a very good folding capacity and by using the segments, designed to shape low-height boxes.

These machines are perfectly suitable for metalwork in small series in steel, stainless steel or alu, up to 2.5 mm depending on the used material.

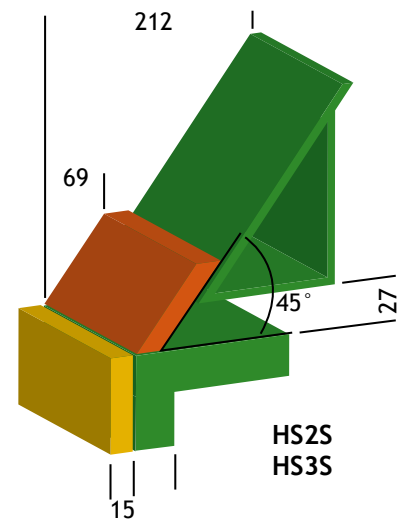
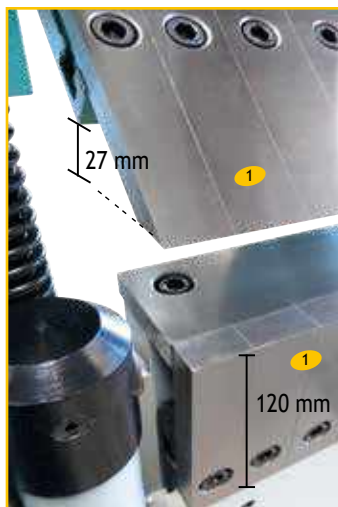
Machine sizes available: 1 m and 1.25 m

Standard equipment

- Segmented clamping beam and folding beam **1**
- Clamping foot pedal keeps hands free during positioning and adjustment of the part to be folded **2**
- Automatic clamping beam lock **3**
- Folding beam height adjustment to change the folding radius according to the thickness of the material **4**
- Adjustment of the height and the clamping pressure **5**
- Angle gauge adjustment for series folding
- Segments in tempered steel
- Central lever to operate the folding beam
- Key for segment removal included



Ref. HS2S



Features	HS2S	HS3S
Useful folding length (mm)	1 020	1 270
Capacity stainless steel / 1050-H44 aluminum (mm)	1,2 / 2,5	1 / 2
Capacity S235JR steel (mm)	2	1,5
Maximum folding angle	135°	135°
Clamping beam opening (mm)	45	45
Height of the folding beam segments (mm)	120	120
Useful segment height (mm)	27	27
Dimensions (mm)	1 350 x 850	1 600 x 900
Gross weight (kg)	310	360

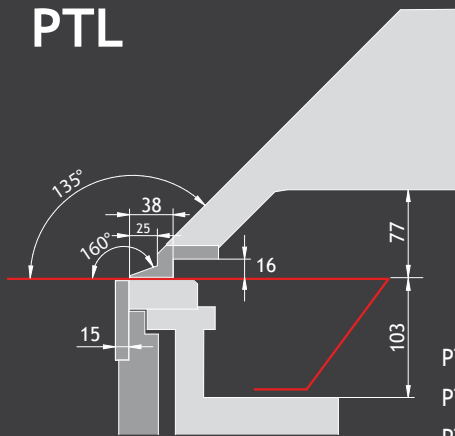
Segments distribution - HS2S

No of segments: 11											
Width (mm)	25	30	35	40	45	50	75	100	150	200	270
Quantity	1	1	1	1	1	1	1	1	1	1	1

Segments distribution - HS3S

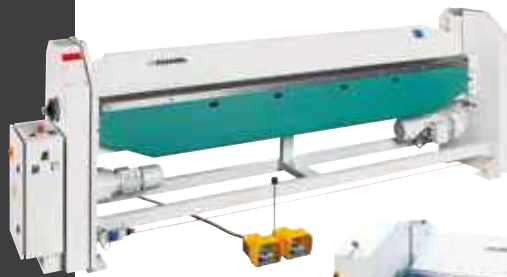
No of segments: 12												
Width (mm)	25	30	35	40	45	50	75	100	150	200	250	270
Quantity	1	1	1	1	1	1	1	1	1	1	1	1

PTL

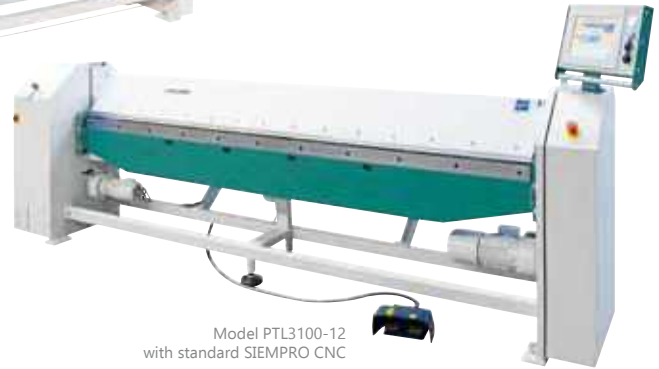


PTL2100-18
PTL2600-15
PTL3100-12

Clamping beam tool radius: 1.0mm
2 and 3mm radius also available on demand



Model PTL3100-12
without CNC



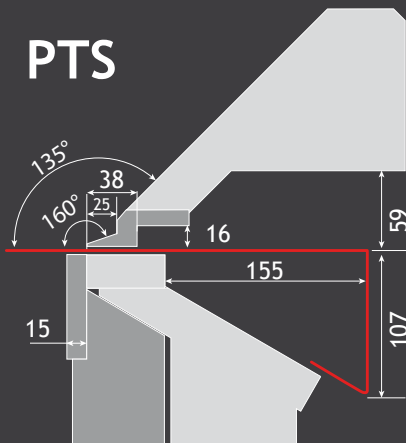
Model PTL3100-12
with standard SIEMPRO CNC

VIDEOS

www.jouanel.com

PTL folding machines available in sizes: 2 m, 2.60 m and 3 m

PTS



PTS2100-20
PTS2600-18
PTS3100-15
PTS4100-10

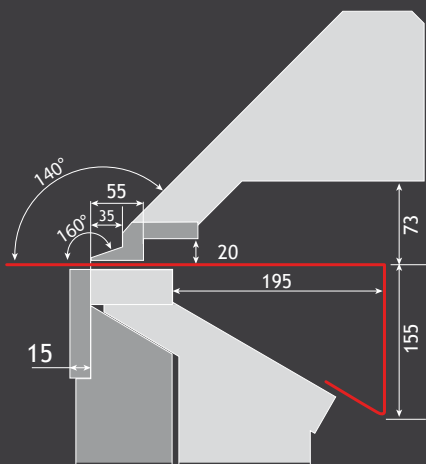
Clamping beam tool radius: 1.0mm
2 and 3mm radius also available on demand

VIDEOS

www.jouanel.com

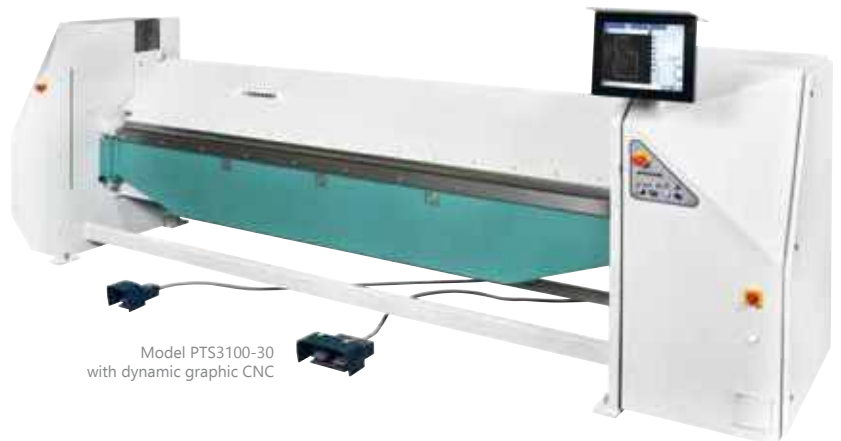


Model PTS3100-15
with dynamic graphic CNC



PTS2100-40
PTS2600-35
PTS3100-30
PTS4100-20

Clamping beam tool radius: 1.5mm
2 and 3mm radius also available on demand



Model PTS3100-30
with dynamic graphic CNC

PTS folding machines available in sizes: 2m, 2.60m, 3m and 4m

Universal electric folding machines PTL - PTS

The appropriate combination of working length, bending capacity and numerical control choice shows you the motorized folding machine you need.

Technical characteristics	PTL2100-18	PTL2600-15	PTL3100-12
Useful folding length (mm)	2 100	2 600	3 100
Capacity S235JR steel (mm) with folding beam 25mm *	1.8	1.5	1.2
Capacity S235JR steel (mm) with folding beam 15mm *	1.2	1.0	0.8
Capacity 1050-H44 aluminum (mm) with folding beam 25mm *	2.5	2.0	1.75
Capacity 1050-H44 aluminum (mm) with folding beam 15mm *	1.75	1.5	1.2
Table height (mm)	835		
Clamping beam tool angle	20°		
Clamp opening (mm)	130		
Folding speed (°/s)	60		
Clamping speed without safety light curtains (mm/s)	10		
Clamping speed with safety light curtains (mm/s)	40		
Power supply (V) **	400 V three-ph + neutral + ground		
Total power (kW)	1.5		
Dimensions without electric back gauge (LxWxH) (mm)	2 970 x 620 x 1 190	3 470 x 620 x 1 190	3 970 x 620 x 1 190
Gross weight (kg) without electric back gauge	1400	1600	1800

* 90° bending capacities / Minimum fold width = 15 times the thickness • ** Electrical voltage to be specified upon order

Technical characteristics	PTS2100-20	PTS2100-40	PTS2600-18	PTS2600-35	PTS3100-15	PTS3100-30	PTS4100-10	PTS4100-20
Useful folding length (mm)	2 100	2 100	2 600	2 600	3 100	3 100	4 100	4 100
Capacity S235JR steel (mm) with 25mm folding beam and standard folding beam tool *	2.0	4.0	1.8	3.5	1.5	3.0	1.0	2.0
Capacity S235JR steel (mm) with 15mm folding beam and standard folding beam tool *	1.5	2.0	1.25	1.8	1.0	1.5	0.8	1.2
Capacity 1050-H44 aluminium (mm) with 25mm folding beam and standard folding beam tool *	3.0	5.0	2.5	4.5	2.0	4.0	1.5	2.5
Capacity 1050-H44 aluminium (mm) with 15mm folding beam and standard folding beam tool *	2.0	3.0	1.8	2.75	1.5	2.5	1.0	1.8
Table height (mm)	830							
Clamping beam tool angle	20°							
Clamp opening (mm)	130	240	130	240	130	240	130	240
Folding speed (°/s)	60							
Clamping speed without safety light curtains (mm/s)	10							
Clamping speed with safety light curtains (mm/s)	40							
Power supply (V) **	400 V three-ph + neutral + ground							
Total power (kW)	2.6	9	2.6	9	2.6	9	2.6	9
Dimensions without electric back gauge (LxWxH) (mm)	3 260 x 865 x 1 800	3 600 x 1 005 x 1 900	3 760 x 865 x 1 800	4 100 x 1 005 x 1 900	4 260 x 865 x 1 800	4 600 x 1 005 x 1 900	5 260 x 865 x 1 800	5 600 x 1 005 x 1 900
Gross weight (kg) without electric back gauge	1900	3300	2200	3500	2500	3800	2900	4600

* 90° bending capacities / Minimum fold width = 15 times the thickness • ** Electrical voltage to be specified upon order

Numerical control for PTL and PTS folding machines



STANDARD "SIEMPRO" CNC

Simplified numerical control

- 15" colour touchscreen, adjustable
- Possibility to work either in manual mode or in automatic mode after quick creation of the programs
- Management of the metal sheet position before folding
- Management of rotating, flipping and turning over parts
- Unlimited creation of programs
- Fast duplication of the programs
- Safe access secured by password depending on the operator's tasks (programming, use of program) or without password
- Counting up and down of produced parts
- Folding angle correction in manual mode according to metal elasticity (type, thickness)
- Maintenance management by numerical control (automatic reminder of periodical interventions, intervention history)
- Remote maintenance and updates via Ethernet connection (RJ45)
- Multilingual CNC



VIDEOS
www.jouanel.com

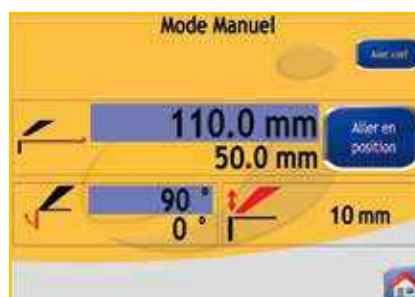
Main menu



Execution mode



Program mode



Manual mode

Optional equipment SIEMPRO

- Electric back gauges PTSL-BAE (option to be specified upon order)

Electric back gauges BAE	PTL 2100-18	PTL 2600-15	PTL 3100-12
Back gauges ranges	10 to 750mm/	10 to 1000mm/	10 to 1500mm
Back gauge speed	300mm/s forward 500mm/s reverse		
Number of back gauge fingers	6	8	8
Min. distance between 2 fingers (mm)	100mm		

- CNC control of the clamping beam lock and precise height adjustment (Z-axis) Ref. PTSL-SIEMPRO-Z (to be specified upon order)
- Automatic angle controller, maximum thickness 1mm, Ref. PTSL-CORANG-SIEMPRO (to be specified upon order)

PROFILES Examples



Numerical control for PTL and PTS folding machines



DYNAMIC GRAPHIC CNC

Very intuitive numerical control to easily draw profiles on the touchscreen

- 17" touchscreen with mobile protection cover
- Different access codes for programmer/maintenance/execution
- Automatic management of the clamping beam position (opening and closing)
- Folding beam speed control
- Back gauge speed control
- SmartPath software: automatic analysis of profile feasibility, several sequences suggested
- Calculation of collision prevention with the clamping beam
- Library of profile parts with a quick search
- Programming choice, by table or profile drawing
- Creation, duplication and modification of programs
- Stamping without moving the folding beam, choice of three intervals between successive bends
- Automatic management of flipping and turning over parts
- Counting up and down of the produced parts
- Possibility to save all data via USB port
- Remote diagnosis and update via Ethernet connection (RJ45)
- Web application « EDGE »
- Multilingual CNC

VIDEOS

www.jouanel.com

Automatic analysis of profile feasibility, several sequences suggested



Automatic management of rotating, flipping and turning parts over



Create curved shapes with stamping mode



Web application EDGE

With only a tablet or connected PC!

With the EDGE web application, you can, from a PC or a tablet, draw your parts to be folded, check their feasibility and export them directly to the graphic CNC of your folding machine

Up to 20 users at the same time

- No more mistakes when relaying parts to be folded
- Transmits needs to the folding workshop in real time
- Immediate analysis of the profile feasibility outside the workshop
- Digital profile library with sorting options (building sites, customers...)

Optional equipment GRAPH

- Bending angle springback mode (angle correction), maximum thickness 1mm, Ref. PTSL-CORANG-GRAF (to be specified upon order)



Equipment comparison table for PTL and PTS folding machines

	PTL range			PTS range							
MACHINE REFERENCES	PTL 2100-18	PTL 2600-15	PTL 3100-12	PTS 2100-20	PTS 2100-40	PTS 2600-18	PTS 2600-35	PTS 3100-15	PTS 3100-30	PTS 4100-10	PTS 4100-20
Folding length (mm)	2 100	2 600	3 100	2 100	2 100	2 600	2 600	3 100	3 100	4 100	4 100
Numerical control	Operates with or without CNC			Operates exclusively with a standard or graphic CNC (see optional equipment)							
EQUIPMENT INCLUDED											
2 interchangeable 15 and 25mm folding beam tools	•	•	•	•	•	•	•	•	•	•	•
1 Interchangeable clamping beam tool at 20°	•	•	•	•	•	•	•	•	•	•	•
Folding beam crowning device	•	•	•	•	•	•	•	•	•	•	•
Adjustment of the folding radius	•	•	•	•	•	•	•	•	•	•	•
Automatic bending cycle (productivity +25%)	•	•	•	•	•	•	•	•	•	•	•
Electromechanical angle gauge	•	•	•								
Control by 2 operators			•					•	•	•	•
CNC control of the clamping beam position (Z-axis)				•	•	•	•	•	•	•	•
OPTIONAL EQUIPMENT	To be specified upon order										
Standard SIEMPRO numerical control (without back gauge) - See Page 22	•	•	•	•	•	•	•	•	•	•	•
DYNAMIC GRAPHIC numerical control (without back gauge)											
Included : CNC control of the clamping beam position and height adjustment, EDGE application See Page 23	•	•	•	•	•	•	•	•	•	•	•
Electric back gauge 750mm* (2)	•	•	•	•	•	•	•	•	•	•	•
Electric back gauge 1 000mm* (2)	•	•	•	•	•	•	•	•	•	•	•
Electric back gauge 1 500mm* (composed of 2 lines of gauge fingers)(2)**	•	•	•	•	•	•	•	•	•	•	•
Manual sliding back gauge 750mm*	•	•	•								
CNC control of the clamping beam position (Z-axis) (1)	•	•	•								
Automatic angle correction (2)	•	•	•	•	•	•	•	•	•	•	•
Safety light curtains (2) CE conformity : 2006/42/CE	•	•	•	•	•	•	•	•	•	•	•
Control console on swivel arm (2)	•	•	•	•	•	•	•	•	•	•	•
Folding beam tools 8, 10 or 12mm	•	•	•	•	•	•	•	•	•	•	•
Conical folding (3) Manual pneumatic adjustment**			•	•	•	•	•	•	•	•	•
Control pedal on ground rail	•	•	•	•	•	•	•	•	•	•	•
Single-phase power supply 230 V instead of 400 V three-phase	•	•	•	•		•		•		•	
Set of fully retractable gauge fingers** Manual control button (3)	•	•	•	•	•	•	•	•	•	•	•
Segmented clamping beam tool*					•		•		•		•

*Find more information on our back gauges and segmented clamping beam tools in our PTL/PTS brochure

**These options require air supply: please contact us

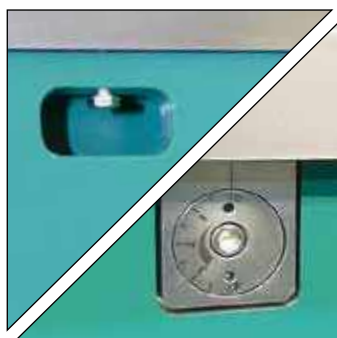
(1) This option requires standard numerical control SIEMPRO (equipment included in the PTS range of folding machines)

(2) This option requires numerical control

(3) This option requires electrical back gauge

Equipment comparison table for PTL and PTS folding machines

Equipment included



Folding beam crowning device
(depending on the model)



Adjustment of the folding radius



Electromechanical angle gauge



Mode selection: 1 or 2 operators

Optional equipment



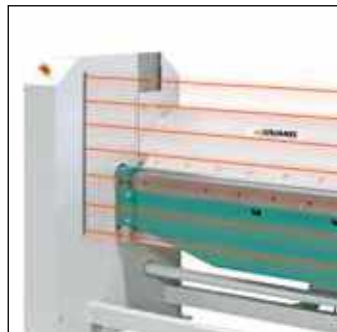
Standard SIEMPRO CNC
Ref. PTSL-CNC-SIEMPRO



Dynamic graphic CNC
Ref. PTSL-CNC-GRAF



Electric back gauge, maximum range 750, 1000 or 1500mm - Ref. PTSL-BAE



Safety light curtains - Ref. PTSL-SPEED-Z



Control console on swivel arm
Ref. PTSL-CNC-POT



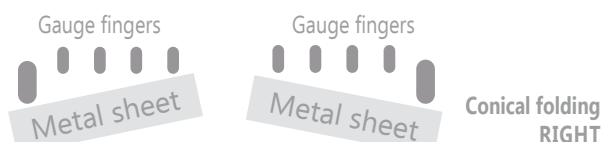
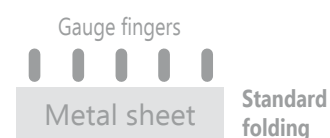
Manual sliding back gauge, maximum range 750mm - Ref. PTL-BAM



Pneumatic conical folding, manual adjustment



Control pedal on ground rail - Ref. PTSL-PEDRAIL



Extra long folding machines - PGL 4 to 12 metres

Extra long folding machines: PGL

Machine sizes available: 4, 6, 8, 10 and 12 m

- Welded steel construction, machined and heavy-duty to guarantee high rigidity
- Useful folding depth: 1250 mm (gooseneck)
- 30 mm folding beam
- Interchangeable clamping beam tool: 40°
- Clamping beam opening: 200 mm
- Automatic adjustment of the gooseneck to adapt the clamping beam position to the thickness of the metal sheet used (for models of Capacity S235JR steel: 2 and 3 mm)
- Additional interchangeable folding beam tool 15 mm (42CD4)
- Double operator control
- CE Conformity

Note: Machine Ref. PGL does not work without numerical control

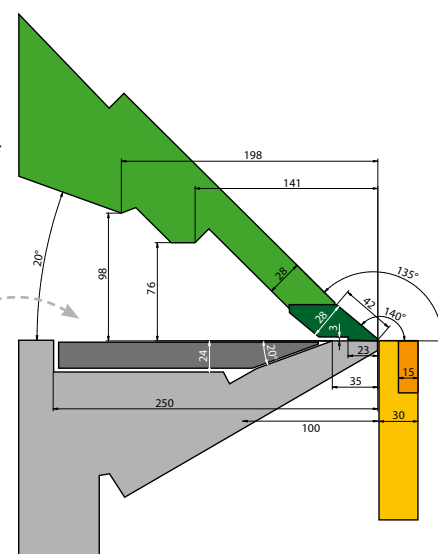
Choice of numerical control

Numerical control SIEM-PRO

- 10" colour touchscreen (OPTION: 15" touchscreen)
- Access code programmer / maintenance / execution
- Automatic control of back gauge, stroke from 25-1250 mm, with double back gauge fingers
- Automatic speed control of the back gauge
- Automatic operator commands given, indicating when to rotate, flip and turn parts over
- Count and countdown of produced parts
- Angle correction control (manual input) according to the thickness and the material
- Remote assistance and updates via Ethernet connection (RJ45)
- Bending angle springback mode Ref. COR-ANG-CN (OPTION)



Touchscreen views
Ref. SIEM-PRO



1 Double back gauge fingers



Conical folding LEFT Conical folding RIGHT

Dynamic graphic numerical control PGL-GRAPH

- Dynamic graphic 19" colour touchscreen with mobile protection box
- Access code for programmer/maintenance/execution
- Safe workstation with safety light curtains activated, allowing fast and safe closing and locking of the clamping beam (standard EC 2009)
- Material library
- Automatic analysis of profile feasibility, several sequences suggested
- Parts library: large program storage capacity
- Automatic creation of programs in graphic mode
- Choice to program by drawing a profile, or by inputting bends step-by-step
- Automatic control of the clamping beam position (opening and closing)
- Folding beam speed control (90° max/second) and automatic folding angle correction (manual input) depending on material thickness
- Duplication and modification of programs
- Stamping without moving the folding beam, choice of three intervals between successive bends
- Folding simulation with calculation of collision prevention with the clamping beam
- Automatic operator commands given, indicating when to rotate, flip and turn parts over
- Count and countdown of produced parts
- Electric back gauge with 2 positions in automatic management
 - Accuracy ± 0.1 mm
 - Automatic speed control
 - Back gauge stroke 25 to 1300 mm
 - Forward speed 300 and reverse speed 500 mm/s
- Remote diagnosis and updates via Ethernet connection (RJ45)
- Bending angle springback mode Ref. COR-ANG-PGL (OPTION)
- Web application « EDGE » to create programs remotely and export them to the folding machine



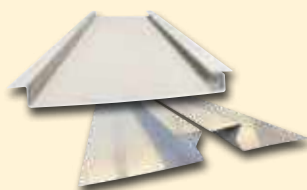
Drawing of a profile directly on the screen



Large program capacity

Extra long folding machines - PGL 4 to 12 metres

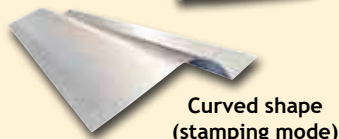
Examples



Interlocking /
cassette panel



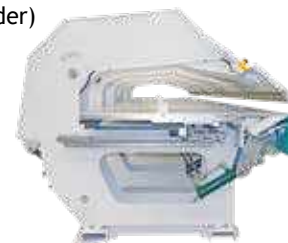
Flashing



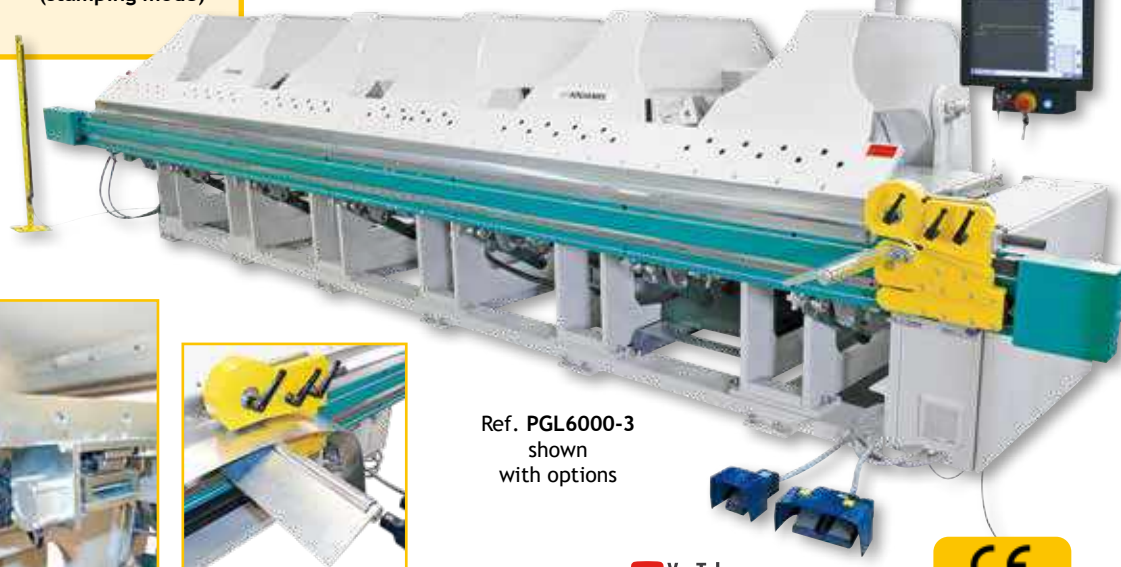
Curved shape
(stamping mode)

Options

- 15" Colour touchscreen for numerical control Ref. **SIEM-PRO**
- Bending angle springback mode (angle correction), max. thickness 1 mm:
 - Ref. **COR-ANG-CN** for numerical control Ref. **SIEM-PRO**
 - Ref. **COR-ANG-PGL** Graphic dynamic numerical control Ref. **PGL-GRAPH**
- Additional double back gauge fingers **1** (to be specified upon order)
- Pneumatic device for conical folding **2**, easily makes interlocking profiles
- Hydraulic roller shear Ref. **PGL-COUT** **3**
 - Equipped with removable sheet support for wide strips
 - Adjustable angle and blade clearance depending on material thickness
 - Capacity S235JR steel: 1.5 or 3 mm
- Worktable on wheels
 - 4 000 x 1 000 x 930 mm Ref. **PGL-TABLE4**
 - 6 000 x 1 000 x 930 mm Ref. **PGL-TABLE6**



Ref. **PGL6000-3**
shown
with options



Ref. **PGL6000-3**
shown
with options



2 Pneumatic conical
adjustment thumbwheel



3 Hydraulic roller
shear Ref. **PGL-COUT**



DEMONSTRATION VIDEO

available on YouTube® / Channel "Jouanel Industrie"



Reference	Useful folding length (mm)	Capacity S235JR steel (mm)	Angle of the clamping beam tool	Clamping beam opening (mm)	Power supply*	Power (kw)	Dimensions l x w x h (mm)	Folding Beam thickness (Added tool /Folding beam)
PGL4000-15	4 050	1,5	40°	200 mm	400 V three-ph + neutral + ground	5,5	4 365 x 1 785 x 1 500	15/30
PGL4000-2	4 050	2,0	40°	200 mm	400 V three-ph + neutral + ground	5,5	4 365 x 1 785 x 1 500	15/30
PGL4000-3	4 050	3,0	40°	200 mm	400 V three-ph + neutral + ground	5,5	4 365 x 1 785 x 1 500	15/30
PGL6000-15	6 050	1,5	40°	200 mm	400 V three-ph + neutral + ground	5,5	6 365 x 1 785 x 1 500	15/30
PGL6000-2	6 050	2,0	40°	200 mm	400 V three-ph + neutral + ground	7,5	6 365 x 1 785 x 1 500	15/30
PGL6000-3	6 050	3,0	40°	200 mm	400 V three-ph + neutral + ground	7,5	6 365 x 1 785 x 1 500	15/30
PGL8000-15	8 050	1,5	40°	200 mm	400 V three-ph + neutral + ground	9	8 365 x 1 785 x 1 500	15/30
PGL8000-2	8 050	2,0	40°	200 mm	400 V three-ph + neutral + ground	11	8 365 x 1 785 x 1 500	15/30
PGL8000-3	8 050	3,0	40°	200 mm	400 V three-ph + neutral + ground	11	8 365 x 1 785 x 1 500	15/30
PGL10000-15	10 050	1,5	40°	200 mm	400 V three-ph + neutral + ground	11	10 365 x 1 785 x 1 500	15/30
PGL10000-2	10 050	2,0	40°	200 mm	400 V three-ph + neutral + ground	15	10 365 x 1 785 x 1 500	15/30
PGL10000-3	10 050	3,0	40°	200 mm	400 V three-ph + neutral + ground	15	10 365 x 1 785 x 1 500	15/30
PGL12000-2	12 050	2,0	40°	200 mm	400 V three-ph + neutral + ground	15	12 365 x 1 785 x 1 500	15/30
PGL12000-3	12 050	3,0	40°	200 mm	400 V three-ph + neutral + ground	15	12 365 x 1 785 x 1 500	15/30

The folding radius is equal to three times the thickness of the sheet within the maximum capacity of use.
Minimum fold width = 15 times the thickness

* Voltage choice to be specified upon order

Press brakes - PPS

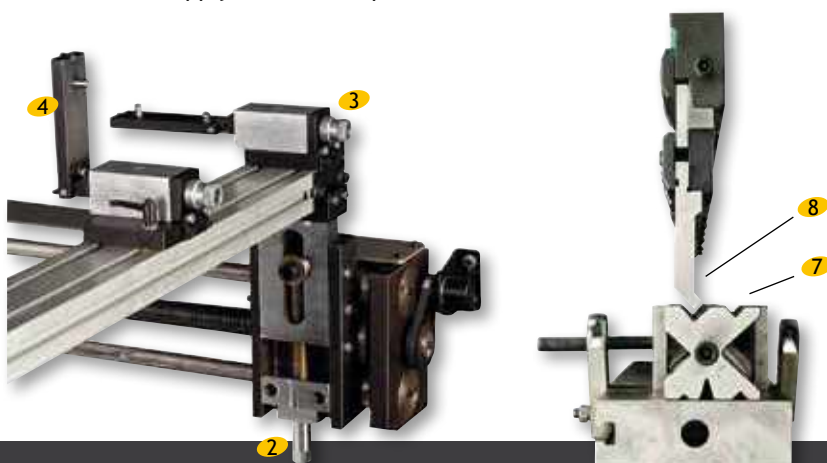


Ref. PPS2050
shown with option
including flanges

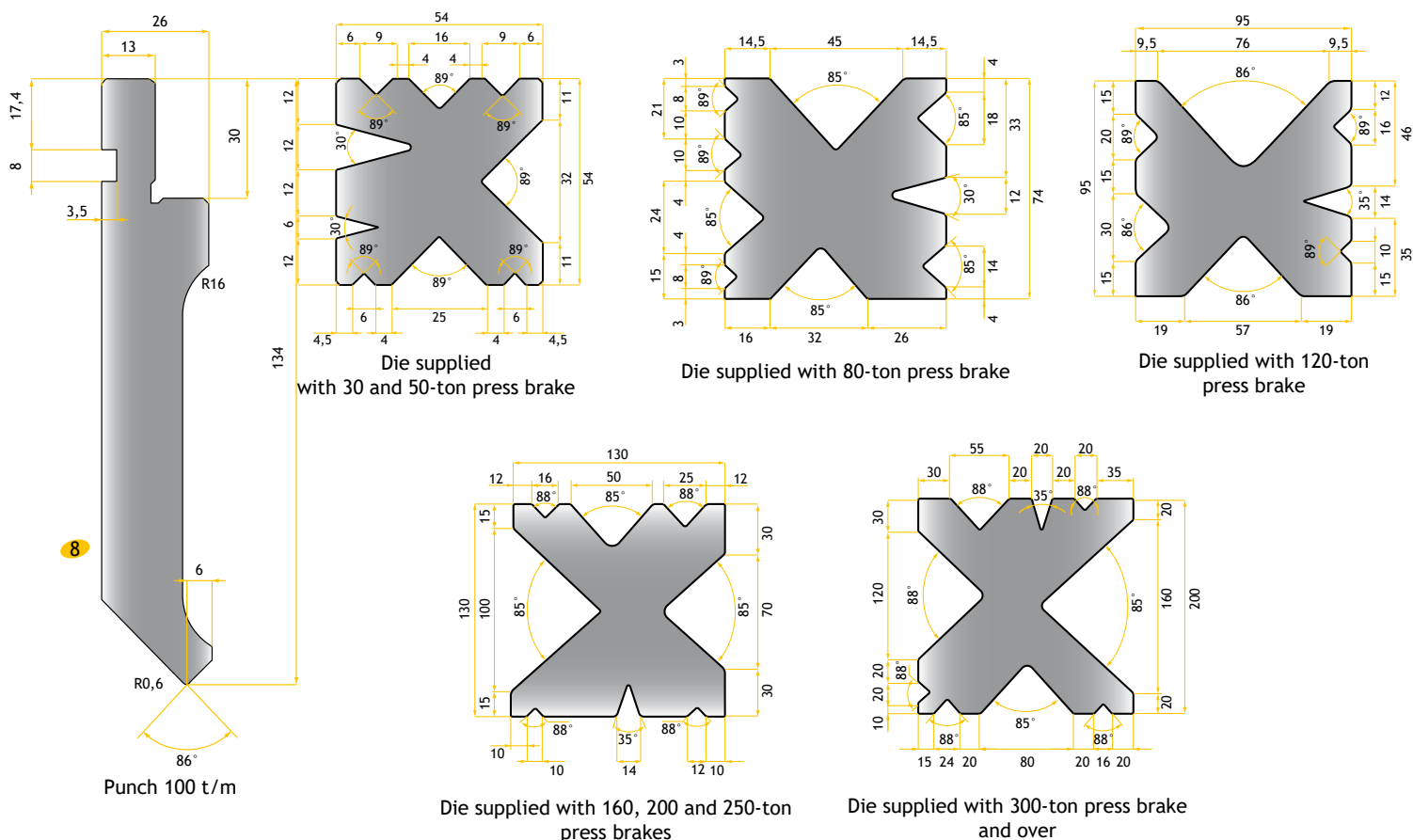
Standard equipment

Sturdily constructed, the press brake is equipped with a heavy-duty torsion rod ensuring that the movable sliding block is perfectly parallel while lowering mechanically and increasing in hydraulic pressure.

- Removable and adjustable work table for high accuracy and durability
- Hydraulic power unit with double safety stops and adjustable pressure
- Metal sheet support up to 500 mm, adjustable for work comfort **1**
- The back gauge, mounted on a slide for pieces of small width, is height-adjustable **2**, the depth is adjustable with a micrometrical screw **3** for high accuracy. The gauge fingers are retractable. **4**
- Numerical control with touchscreen **5** to control axis X and Y (several thousand programs, 80 folds each). Save and create programs, which can also be uploaded by USB stick.
- Quick and easy die turning **6 7**
- Various dies depending on the model (see diagram)
- Punches: 86° radius 0.6 mm **8**, length 550 and/or 800 mm, depending on model
- Safety light curtains located in front: class 4 **9**
- Foot switch **10**
- Power supply 400 V three-phase + neutral

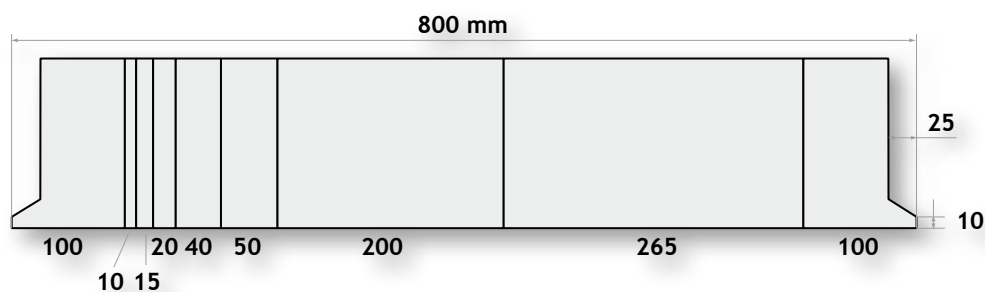


Die details

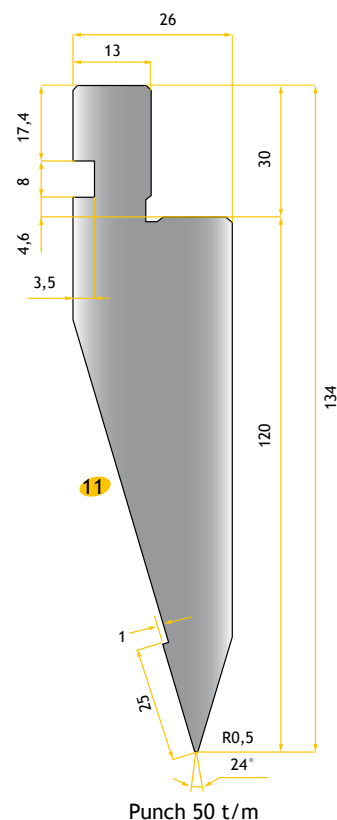


Options

- Table suitable for automatically-centered die, width of 60 mm:
 Length = 1 020 mm: Ref. **PPS-T1100B60**
 2 100 mm: Ref. **PPS-T2100B60**
 3 100 mm: Ref. **PPS-T3100B60**
 4 100 mm: Ref. **PPS-T4100B60**
- Punch 24° radius 0.5 mm length 550 and/or 800 mm (side view **11**), depending on the model
- Segmented punch length 800 mm: segments 100, 10, 15, 20, 40, 50, 200, 265, 100 mm:
 - Ref. **POIN-S86-0.6F**, Segmented punch: 86° radius 0.6 mm (side view **8**)
 - Ref **POIN-S24-0.5F**, Segmented punch: 24° radius 0.5 mm (side view **11**)



- Table with crowning and position identification, depending on machine length Ref. **PPS-BM 12**
- Flanges with manual quick tool clamping Ref. **PPS-SR 13**
- Additional gauge fingers
- Tools and protection devices for fragile materials, such as lacquered sheets
- For further information, please contact us



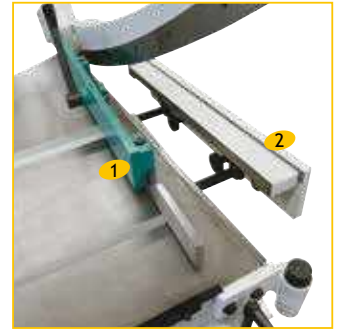
Manual lever-operated shear - CL

Manual lever-operated shear - CL

This lever-operated shear is the ideal workshop machine for zinc and thin sheet metal work. The visible blade makes it easy to cut along a traced line. Cut small sizes quickly with the flexible lever.



Ref. CL1020-15C



CL1020-15C

- Adjustable squaring gauge **1**
- Manually retractable sheet clamp with locking system
- Adjustment wheel for rack-and-pinion gauge **2**
- Cut lengths above one meter with successive pushes



Features	CL1020-15C
Useful cutting length (mm)	1020
Capacity Stainless steel / 1050-H44 aluminum*	0,5-0,8 / 0,4-1,5
Capacity S235JR steel (mm) *	0,4-1,5
Dimensions (mm)	1700 x 1100 x 1150
Table dimensions (mm)	1000 x 700
Weight (kg)	380
Gauge adjustment (mm)	20-500
Squaring gauge (mm)	700
Table height (mm)	780

* min. - max.

Clamping beam with guide rail - TCZ

Clamping beam with guide rail - TCZ **1** for roller shear

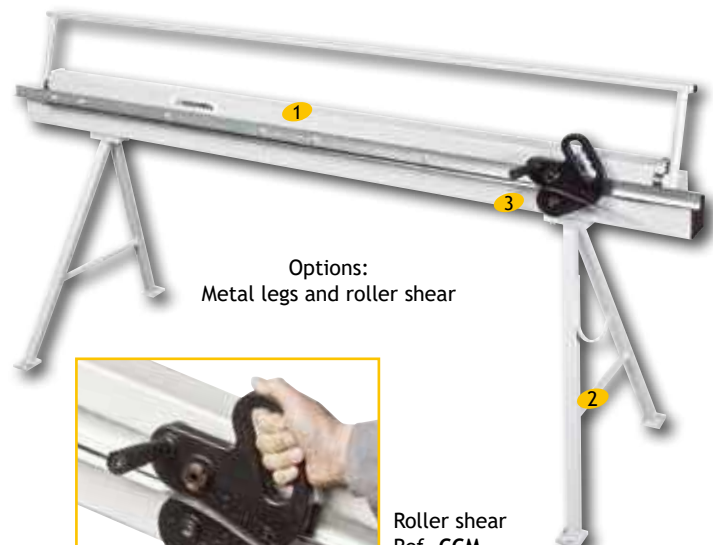
Available in 2 lengths

- 2040 mm Ref. TCZ2040A *
- 3040 mm Ref. TCZ3040A
- Clamping device equipped with a leather protective strip for a firm and scratch-free hold

* Fits our workbenches Ref. ETB2040 and ETB2040PVS

Options

- Metal legs - PM **2**
- Roller shear - CCM **3**
 - Handy, robust aluminum body
 - Tempered steel rollers for a longer lifespan
 - Guide rail and 2 grip handles for an accurate cut
 - Capacity zinc 0.8 mm, steel 0.63 mm



Options:
Metal legs and roller shear



Roller shear
Ref. CCM

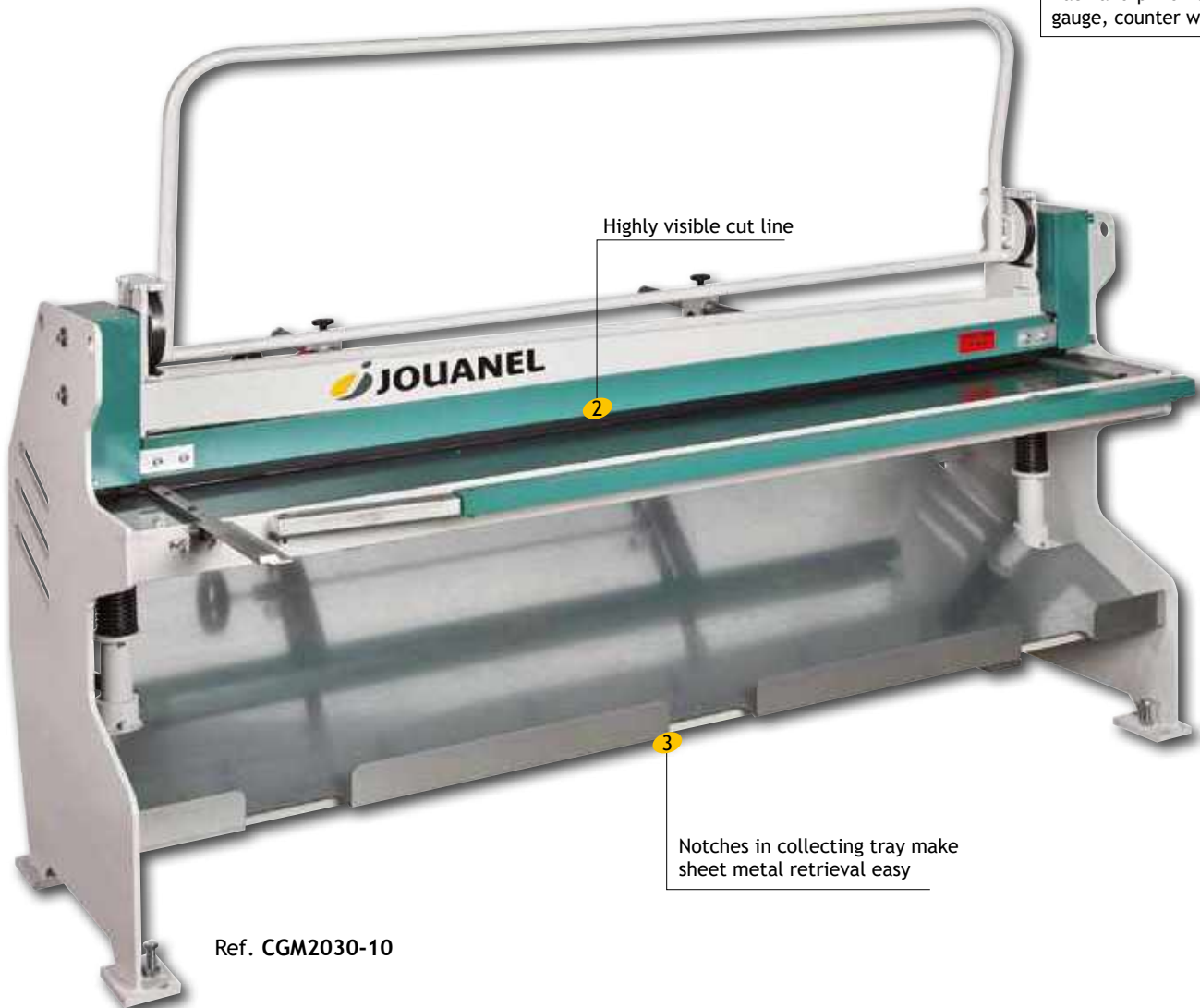
Manual guillotine shears: CGM2030-10

- 300 mm table with a 650 mm graduated squaring gauge on the left side
- The tabletop is engraved in 10 mm increments for easy measuring
- Back gauge with rack-and-pinion from 15 to 500 mm for perfect parallelism, counter with digital display **1**
- Extendable table front supports large sizes
- Rubber protector on automatic sheet clamping beam for trace-free cutting **2**
- Monobloc blades reversible once
- Controls within reach along the whole length of the machine
- Slanted collecting tray returns cut sheets to the front **3**
- Table height: 880 mm

Features	CGM2030-10
Useful cutting length (mm)	2030
Capacity S235JR steel (mm) *	0,4 - 1,0
Capacity zinc (mm) *	0,4 - 1,2
Dimensions (mm)	2400 x 1360 x 1 250
Weight (kg)	590
* min. - max.	



Rack-and-pinion operated back gauge, counter with digital



Ref. CGM2030-10

Manual guillotine shears: CGM1050, CGM2050, CGM2550 and CGM3080 with manual rack-and-pinion back gauge

Machine sizes available: 1 m, 2 m, 2.5 m and 3 m

Simple and accurate, the manually-operated CGM guillotine shears will efficiently meet your workshop cutting requirements for thin sheet metal.

With a cutting accuracy equal to an electric model, this machine will easily find its place in the workshop, without costly installation. Its sturdy, low-maintenance mechanical design makes a sustainable and durable investment. Its flexible and balanced cutting lever make it pleasant to use on a daily basis.



Model shown
Ref. CGM2050 with options

Standard equipment

- The tabletop (300 mm wide **1** x 800 mm high) is engraved in 10 mm increments to simplify cutting without the back gauge
- Extendable table front **2** (+480 mm) supports large sizes
- Extendable back sheet support: 120 mm (excludes Sheet holding plate option)
- Graduated squaring gauge, 500 mm on the left (except for CGM3080: 1000 mm on the left) and 300 mm on the right **3**
- Automatic clamping system
- Monobloc blades reversible once
- 2 lateral lever arms with gear train to cut thicker sheets effortlessly
- Slings rings



	CGM1050	CGM2050	CGM2550	CGM3080
Useful cutting length (mm)	1050	2050	2550	3080
Capacity S235JR steel (mm) *	0,4 - 1,5	0,4 - 1,0	0,4 - 1,0	0,5 - 1,0
Capacity zinc, copper (mm) *	0,4 - 1,8	0,4 - 1,2	0,4 - 1,2	0,5 - 1,2
Capacity stainless steel (mm) *	0,4 - 0,8	0,4 - 0,6	0,4 - 0,6	0,5 - 0,6
Capacity 1050-H44 aluminum (mm) *	0,4 - 1,8	0,4 - 1,2	0,4 - 1,2	0,5 - 1,2
Blades	Reversible once	Reversible once	Reversible once	Reversible once
Cutting angle	2,8°	1,5°	1,5°	1,5°
Left and right cutting levers (mm)	1100	1100	1100	1100
Graduated squaring gauge, table front, left side (mm)	500	500	500	1000
Graduated squaring gauge, table front, right side (mm)	300	300	300	300
Back gauge range (mm)	15 - 750	15 - 750	15 - 750	15 - 750
Conical adjustment: mechanical counter (mm)	+/- 5	+/- 5	+/- 5	+/- 5
Operating dimensions (l x w x h)(mm)	1550 x 1600 x 1300	2550 x 1600 x 1300	3050 x 1600 x 1300	3550 x 2000 x 1300
Net weight (kg)	433	595	692	790

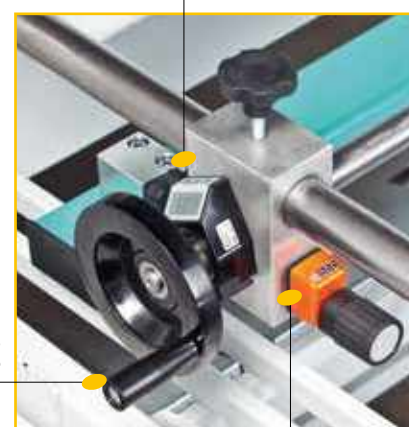
* min.-max. thickness

• Manual back gauge with rack-and-pinion

- Range from 15 to 750 mm
- Side operated with adjustment wheel located on the right side **4**
- Large digital display indicates back gauge position, accurate to a tenth of a millimeter **5**
- Conical adjustment to slant the back gauge, with a counter **6** (accurate to ± 0.1 mm), and quick alignment adjustment



Digital display of the gauge position



Adjustment wheel for back gauge

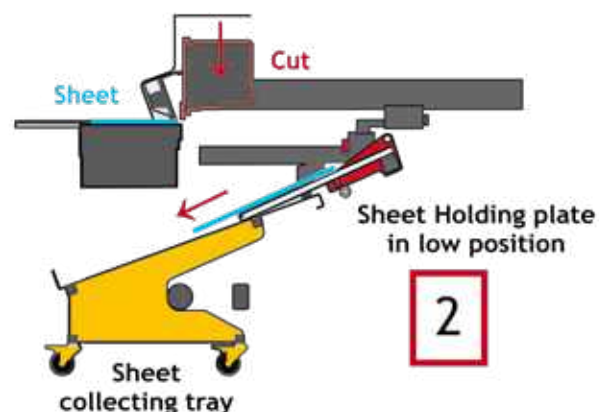
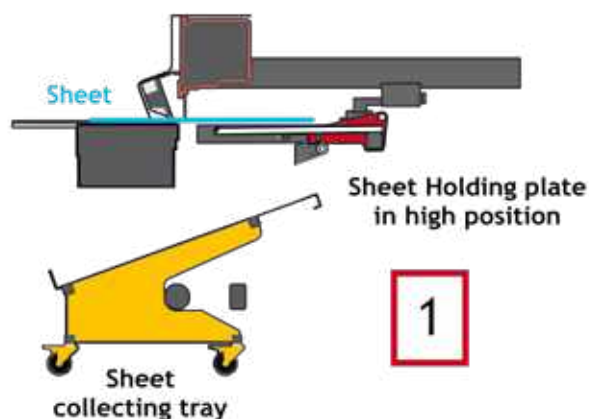
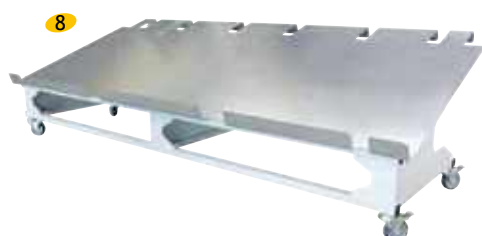
Back gauge conical adjustment



Manual guillotine shears - CGM

Options

- Belt drive manual back gauge with control and display at the front of the machine!
Ref. CGM2050-BCAV, CGM2550-BCAV, CGM3080-BCAV
 - Range from 15 to 750 mm
 - Front operated by adjustment wheel **5**
 - Digital display indicates back gauge position, accurate to a tenth of a millimeter
 - Conical adjustment to slant the back gauge, with a counter **6** (accurate to ± 0.1 mm), and quick alignment adjustment
- Left squaring gauge: 1000 mm (instead of 500 mm)
- Automatic sheet holding plate **7**: Ref. CGM-PEIGNE
- Portable tray, on swivel casters with brakes, collects sheets **8**, with two positions for sheets up to 750 mm wide, Ref. CGM-BL



OPTION Features

Automatic sheet holding plate	CGM1050-PEIGNE	CGM2050-PEIGNE	CGM2550-PEIGNE	CGM3080-PEIGNE
Maximum distance between 2 fingers (mm)	330	370	400	495
Minimum distance between 2 fingers (mm)	40	40	40	40
Number of fingers	7	10	11	12
Maximum length of sheets (mm)	750	750	750	750
Sheet collecting tray on casters	CGM1050-BL	CGM2050-BL	CGM2550-BL	CGM3080-BL
Number of casters with brakes	4	4	4	6

Electric guillotine shears: CGS

The CGS is perfectly designed to meet the business requirements for thin sheet metal work, as well as zinc, metal construction, maintenance, professional education, etc.

Machine sizes available: 1 m, 1.5 m, 2 m, 2.5 m and 3 m

Technical advantages

- Back gauge with rack-and-pinion from 15 to 500 mm, counter with digital display for perfect alignment
- Extendable table front supports large sizes
- Rubber protector on automatic clamping beam for scratch-free cutting
- Slanted collecting tray returns cut sheets to the front
- Foot switch
- Monobloc blades reversible once
- 300 mm table with a 650 mm graduated squaring gauge on the left side
- Engraved tabletop, in 10 mm increments for easy and precise measuring
- Illuminated cut line indicator **1**
- Cut counter with reset
- CE Conformity



Features	CGS1030-20	CGS1530-20	CGS2030-15	CGS2530-12	CGS3030-12
Useful cutting length (mm)	1030	1530	2030	2530	3030
Capacity S235JR steel (mm) *	0,4 - 2,5	0,4 - 2,0	0,4 - 1,8	0,4 - 1,2	0,5 - 1,2
Dimensions (mm)	1340 x 1340 1240	1840 x 1340 1240	2370 x 1370 1240	2900 x 1370 1240	3370 x 1370 1240
Weight (kg)	1020	1250	1270	1446	1610
Power (kW)	2,2	2,2	2,2	2,2	2,2
Power supply **	400 V three-ph + neutral + ground	400 V three-ph + neutral + ground	400 V three-ph + neutral + ground	400 V three-ph + neutral + ground	400 V three-ph + neutral + ground
Rate (cuts / min)	26	26	26	26	26

* min.-max. ** Voltage choice to be specified upon order

Options

- Front operated electric back gauge with 15-500 mm cutting range, adjustable to 1/10 mm, for easy precision cutting, Ref. **CGS-BAS**
- Sheet holding plate: the back gauge, manual or electric, can be equipped with a sheet holding plate for large dimensions and thin sheets, Ref. **CGS-PST** **2**



Sheet holding plate

Electric guillotine shears: CGI2050-BCREM, CGI2550-BCREM and CGI3080-BCREM with manual rack-and-pinion back gauge

Machine sizes available: 2 m, 2.5 m and 3 m

The new generation of electric shears, CGI, meets the quality requirements inherent to the metal building envelope and industrial metal sheet working businesses.

In addition to its modern construction, the CGI was designed and manufactured especially for intensive use, such as batch production. With a sturdy heavy-duty structure, its high output and cutting quality make it one of the most efficient shears on the market today.



Model shown
Ref. CGI3080-BCREM
with options

Standard equipment

- The tabletop (300 mm wide 1 x 800 mm high) is engraved in 10 mm increments to simplify cutting without the back gauge
- Extendable table front 2 (+480 mm) supports large sizes
- Extendable back sheet support: 120 mm (excludes Sheet holding plate option)
- Graduated squaring gauge, 500 mm on the left and 300 mm on the right 3
- Automatic clamping system
- Foot switch
- Monobloc blades reversible once
- Cut counter with reset
- Safety light curtains provide safe access to the back of the machine 4
- Powerful LED cut line indicator built into the sheet holding system (permanent lighting, better visibility) 5
- Sliding rings



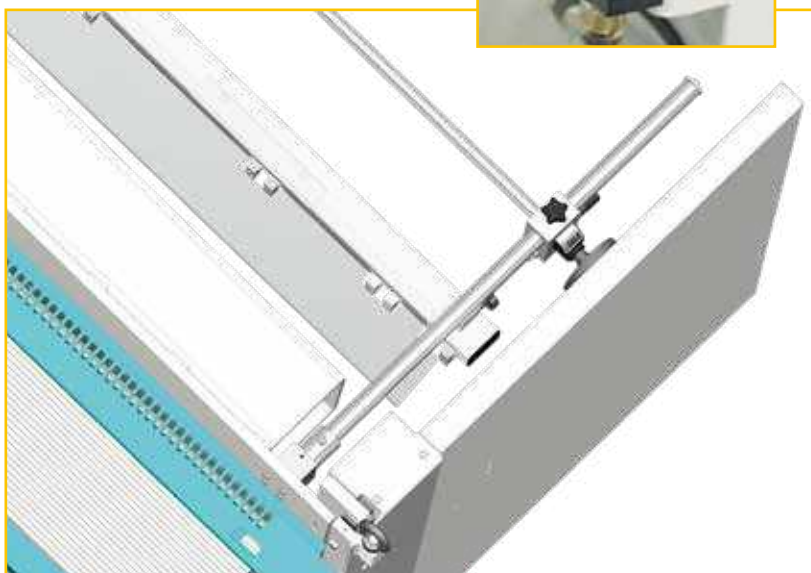
	CGI2050-BCREM	CGI2550-BCREM	CGI3080-BCREM
Useful cutting length (mm)	2 050	2 550	3 080
Capacity S235JR steel (mm)	2	2	1,5
Capacity 1050-H44 aluminum / zinc (mm)	3	3	2
Dimensions (mm)	2720 x 1680 x 1230	3220 x 1680 x 1230	3750 x 1680 x 1230
Weight (kg)	988	1169	1350
Power (kW)	2,2	2,2	2,2
Power supply *(V)	400 V three-ph + ground	400 V three-ph + ground	400 V three-ph + ground
Rate (cuts / min)	25	25	25

* Voltage choice to be specified upon order / 220 V power supply optional

Electric guillotine shears - CGI-BCREM

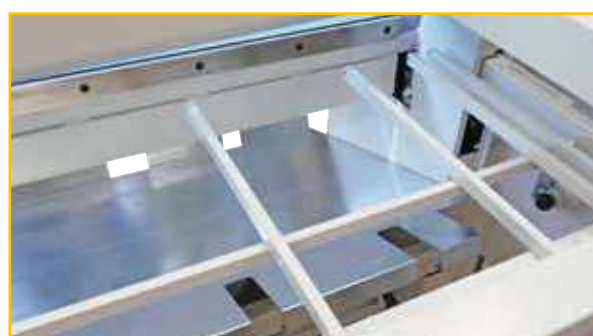
• Manual rack-and-pinion back gauge

- Range from 15 to 750 mm
- Adjustment wheel on the right side **6**
- Digital display indicates back gauge position, accurate to a tenth of a millimeter
- Conical adjustment to slant the back gauge, with a counter (accurate to ± 0.1 mm) **7**



• Options

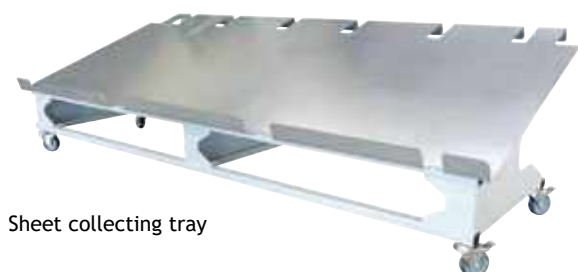
- Left squaring gauge, 1000 mm (instead of 500 mm)
- Automatic sheet holding plate, Ref. **CGI-PEIGNE**
- Large portable tray, on swivel casters with brakes, collects sheets 8, and has two positions for collecting cut sheets up to 750 mm wide, Ref. **CGM-BL**
- Machine with 220 V power supply (instead of standard 400 V three-phase)



Ref. **CGI-PEIGNE** Sheet holding plate in high position



Ref. **CGI-PEIGNE** Sheet holding plate in low position



Sheet collecting tray

OPTIONS Features

Automatic sheet holding plate	CGI2050-PEIGNE	CGI2550-PEIGNE	CGI3080-PEIGNE
Maximum distance between 2 fingers (mm)	370	370	495
Minimum distance between 2 fingers (mm)	40	40	40
Number of fingers	10	11	12
Maximum width of sheets (mm)	750	750	750
Sheet collecting tray on casters	CGM2050-BL	CGM2550-BL	CGM3080-BL
Number of casters with brakes	4	4	6

Electric guillotine shears - CGI-BCAV

Electric guillotine shears: CGI2050-BCAV, CGI2550-BCAV, CGI3080-BCAV and CGI4080-BCAV with manual back gauge, belt drive, front-operated

Machine sizes available: 2 m, 2.5 m, 3 m and 4 m

The new generation of electric shears, CGI, meets the quality requirements inherent to the metal building envelope and industrial metal sheet working businesses.

In addition to its modern design, the CGI was designed and manufactured especially for intensive use, such as series production. With a sturdy heavy-duty structure, its high output and cutting quality make it one of the most efficient shears on the market today.

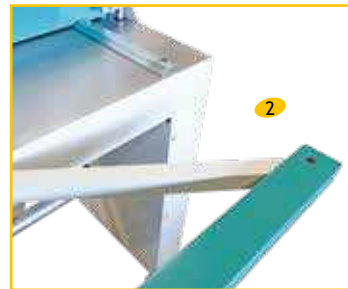
Since the machine is front-operated, working conditions are improved and the additional features simplify handling and cutting large-sized sheet metal.



Model shown
Ref. CGI3080-BCAV
with options

Standard equipment

- The tabletop (300 mm wide **1** x 800 mm high) is engraved in 10 mm increments to simplify cutting without the back gauge
- Extendable table front **2** (+480 mm) supports large sizes
- Extendable back sheet support: 120 mm (excludes Sheet holding plate option)
- Graduated squaring gauge, 500 mm on the left and 300 mm on the right **3**
- Automatic clamping system
- Foot switch
- Monobloc blades reversible once
- Cut counter with reset
- Safety light curtains provide safe access to the back of the machine **4**
- Powerful LED cut line indicator built into the sheet holding system (permanent lighting, better visibility) **5**
- Sliding rings



	CGI2050-BCAV	CGI2550-BCAV	CGI3080-BCAV	CGI4080-BCAV
Useful cutting length (mm)	2 050	2 550	3 080	4 080
Capacity S235JR steel (mm)	2	2	1,5	1,2
Capacity 1050-H44 aluminum / zinc (mm)	3	3	2	1,5
Dimensions (mm)	2720 x 1680 x 1230	3220 x 1680 x 1230	3750 x 1680 x 1230	4750 x 1680 x 1230
Weight (kg)	988	1169	1350	1531
Power (kW)	2,2	2,2	2,2	2,2
Power supply *(V)	400 V three-ph + ground	400 V three-ph + ground	400 V three-ph + ground	400 V three-ph + ground
Rate (cuts / min)	25	25	25	25

* Voltage choice to be specified upon order / 220 V power supply optional

Electric guillotine shears - CGI-BCAV

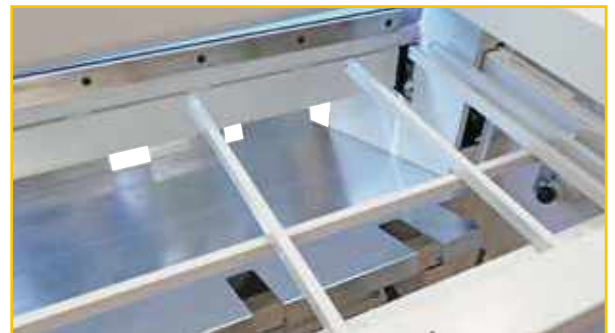
• Manual back gauge with belt drive

- Range from 15 to 750 mm
- Front-operated by adjustment wheel **6**
- Digital display indicates back gauge position, accurate to a tenth of a millimeter
- Conical adjustment to slant the back gauge, with a counter (accurate to ± 0.1 mm) **7**



• Options

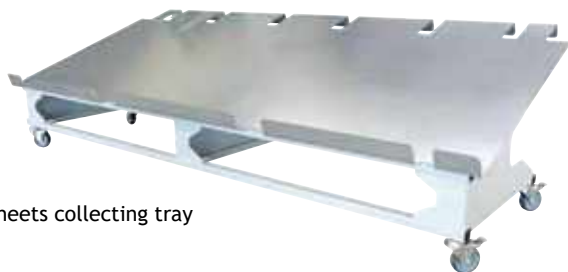
- Left squaring gauge, 1000 mm (instead of 500 mm)
- Automatic sheet holding plate, Ref. **CGI-PEIGNE**
- Large portable tray, on swivel casters with brakes, has two positions for collecting cut sheets up to 750 mm wide, Ref. **CGM-BL**
- Machine with 220V power supply (instead of standard 400V three-phase)



Ref. **CGI-PEIGNE** Sheet holding plate in high position



Ref. **CGI-PEIGNE** Sheet holding plate in low position



Sheets collecting tray

OPTIONS Features				
Automatic sheet holding plate	CGI2050-PEIGNE	CGI2550-PEIGNE	CGI3080-PEIGNE	CGI4080-PEIGNE
Maximum distance between 2 fingers (mm)	370	370	495	495
Minimum distance between 2 fingers (mm)	40	40	40	40
Number of fingers	10	11	12	14
Maximum width of sheets (mm)	750	750	750	750
Sheet collecting tray on casters	CGM2050-BL	CGM2550-BL	CGM3080-BL	CGI4080-BL
Number of casters with brakes	4	4	6	8

Electric guillotine shears - CGI-BAE

Electric guillotine shears: CGI2050-BAE, CGI2550-BAE, CGI3080-BAE and CGI4080-BAE with electric back gauge, front-operated

Machine sizes available: 2 m, 2.5 m, 3 m and 4 m

The different models of electric shears CGI know how to meet the quality and efficiency requirements of a professional workshops.

Designed for all types of cutting works in the businesses of metal protection of buildings and industrial metal sheet working (i.e. HVAC, thermal insulation), the new CGI shear is a robust machine which combines an excellent cut quality and a high speed of work. The multiple functions of the CNC controller, fully developed by Jouanel Industrie, make it one of the most efficient shears on the market today.



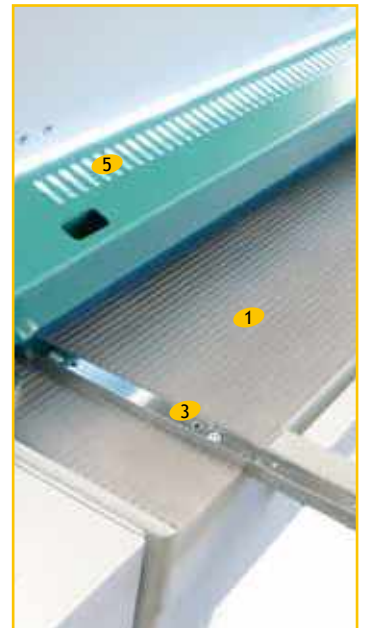
DEMONSTRATION VIDEO
available on YouTube® / Channel
"Jouanel Industrie"



Model shown
Ref. CGI3080-BAE
with options

Standard equipment

- The tabletop (300 mm wide ❶ x 800 mm high) is engraved in 10 mm increments to simplify cutting without the back gauge
- Extendable table front ❷ (+480 mm) supports large sizes
- Extendable back sheet support: 120 mm (excludes Sheet holding plate option)
- Graduated squaring gauge, 500 mm on the left and 300 mm on the right ❸
- Automatic clamping system
- Foot switch
- Monobloc blades reversible once
- Cut counter with reset, for daily or cumulative total of cuts completed
- Safety light curtains provide safe access to the back of the machine ❹
- Powerful LED cut line indicator built into the sheet holding system (permanent lighting, better visibility) ❺
- Slings rings



	CGI2050-BAE	CGI2550-BAE	CGI3080-BAE	CGI4080-BAE
Useful cutting length (mm)	2 050	2 550	3 080	4 080
Capacity S235JR steel (mm)	2	2	1,5	1,2
Capacity 1050-H44 aluminum / zinc (mm)	3	3	2	2
Dimensions (mm)	2720 x 1680 x 1460	3220 x 1680 x 1460	3750 x 1680 x 1460	4750 x 1680 x 1460
Weight (kg)	988	1169	1350	1531
Power (kW)	2,2	2,2	2,2	2,2
Power supply *(V)	400 V three-ph + neutral + ground	400 V three-ph + neutral + ground	400 V three-ph + neutral + ground	400 V three-ph + neutral + ground
Rate (cuts / min)	25	25	25	25

* Voltage choice to be specified upon order / 220 V power supply also an option

Electric guillotine shears - CGI-BAE

• Electric back gauge

- Range from 19 to 750 mm
- Conical adjustment to slant the back gauge, with a counter (accurate to ± 0.1 mm) **6**
- Back gauge with numerical control

• Numerical control with 7"-16:9 color touchscreen

- Program several lengths and quantities
- Cutting length adjustment, to increase the cutting rate of small parts
- Maintenance menu informs the operator of preventative maintenance needed, depending on the cumulative cut count
- Remote assistance available from our factory via Internet
- Cut counter with reset, for daily or cumulative total of cuts completed
- Password protection locks machine, with several levels of access (operator, maintenance, administrator)

Operator selection:

- **Manual mode:** 1 back gauge movement, several cuts
- **Program mode:** each program can be named, saved, and contains several back gauge movements and several cuts which will automatically follow one another during production
- **Automatic mode:** run program, which were previously created in the program menu.



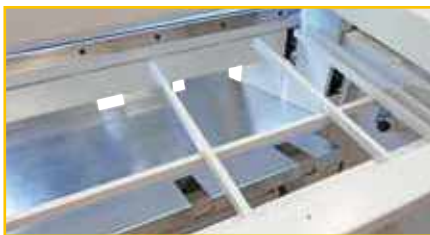
Numerical control screen display "Menu Auto"

• Options

- Left squaring gauge, 1000 mm (instead of 500 mm)
- Automatic sheet holding plate, Ref. **CGI-PEIGNE**
- Large portable tray, on swivel casters with brakes, has two positions for collecting cut sheets up to 750 mm wide, Ref. **CGM-BL** (excludes 4-meter model, Ref. **CGI4080-BL**)
- Machine with 220V power supply (instead of standard 400V three-phase)



Numerical control screen display "Manual mode"



Ref. **CGI-PEIGNE**
Sheet holding plate in high position



Ref. **CGI-PEIGNE**
Sheet holding plate in low position



Sheet collecting tray

OPTIONS Features

Automatic sheet holding plate	CGI2050-PEIGNE	CGI2550-PEIGNE	CGI3080-PEIGNE	CGI4080-PEIGNE
Maximum distance between 2 fingers (mm)	370	370	495	495
Minimum distance between 2 fingers (mm)	40	40	40	40
Number of fingers	10	11	12	14
Maximum width of sheets (mm)	750	750	750	750
Sheet collecting tray on casters	CGM2050-BL	CGM2550-BL	CGM3080-BL	CGI4080-BL
Number of casters with brakes	4	4	6	8

Electric guillotine shears: CGI33-BAE et CGI42-BAE with electric back gauge, front-operated

Machine sizes available: 3 and 4 m

Along with its strong and sturdy construction, this new range of electric guillotine shears CGI is equipped with a heavy duty motor providing a high cutting capacities, suitable for industrial metal sheet working (cladding, industrial building, etc.).

With its multiple functions of the CNC controller and rich standard equipment this machine offers an excellent productivity as well as high comfort of work.

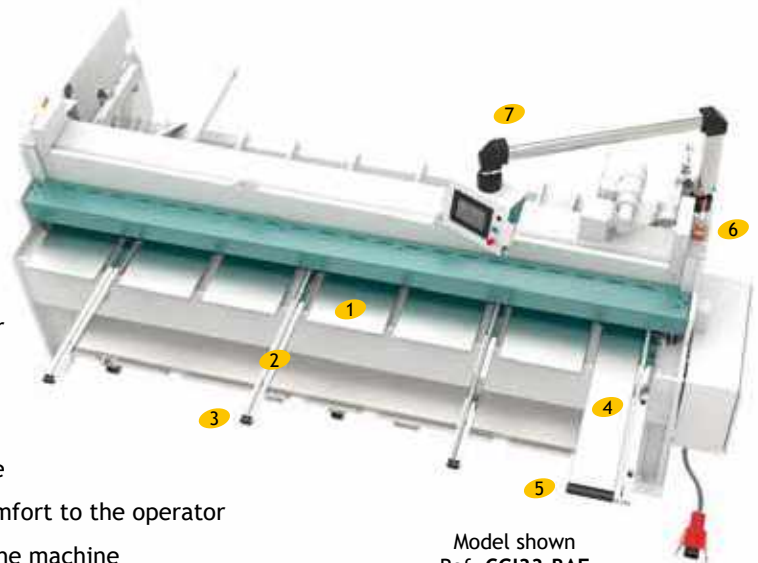


Model shown
Ref. CGI33-BAE
with options



Standard equipment

- Front table, 435 mm wide, working height 875mm
- Flexible front sheet supporting plates in stainless steel, 400 mm long **1**
- Front support arms, 1000 mm **2**, with front roller **3** to easily lay the sheet on the table
- Squaring arm in stainless steel **4**, length 1000 mm, placed on the right side of the machine, with front roller **5**
- Automatic sheet clamping system with rubber protection (protects and holds the sheet)
- Blade beam on self-lubricating rails
- Once-piece blades, 4 times reversible before sharpening
- Manual adjustment of the blade gap with position indicator acc. to the thickness to cut
- Powerful LED cut line indicator built into the sheet holding system (permanent lighting, better visibility)
- Control with foot-switch or with button from the console
- Control console on swivel **6** to grant maximum user comfort to the operator
- Safely light curtains provide safe access to the back of the machine
- 2 slinging rings
- Guaranteed French origin Label - CE-conformity



Model shown
Ref. CGI33-BAE
with options

	CGI33-BAE	CGI42-BAE
Useful cutting length (mm)	3100	4 100
Capacity S235JR steel (mm)	3	2,5
Capacity stainless steel (mm)	1.5	1
Capacity 1050-H44 Aluminum (mm)	4	3
Dimensions (mm)	4000 x 2350 x 1870	5000 x 2350 x 1870
Weight (kg)	3 025	3 680
Power (kW)	2 x 2.2	2 x 2.2
Power supply *(V)	400 V three-ph + neutral + earth	400 V three-ph + neutral + earth
Rate (cuts/min)	29	29

* Choice of the voltage to be specified with the order / possible 220 V power supply as an option

Electric guillotine shears - CGI-BAE

• Electric back gauge

- Electric back gauge controlled by the CNC, range from 5 to 750 mm
- Fast moving back gauge
- Conical adjustment with counter to slant the back gauge for angle cuts (accurate to ± 0.1 mm)



• Numerical control

- Numerical control with 7" color touchscreen
- Intuitive and user-friendly programs
- Rapid creation of programs, sorted by customer or building sites
- Quick programming several lengths and quantities
- Automatic menu for serial production or manual for single cuts
- Cuts counter for daily or cumulative total of cuts completed with reset possibility
- Maintenance menu with indication of preventative maintenance
- Remote maintenance and updates via Ethernet connection (RJ45)



• Options

- Table, arms and squaring gauge equipped with brushes ¹ to prevent from marking sensitive materials - Ref. CGI33-BRO-AVANT, CGI42-BRO-AVANT

Front sliding plates and support arms in stainless steel, with protection brushes against scratches

- 6 plates for Ref. CGI33, 8 plates for Ref. CGI42
- Length 400mm, width 390 mm
- 3 front arms for Ref. CGI33, 4 arms for Ref. CGI42

- Table, front arms and squaring gauge with ball casters

Ref. CGI33-BILLES-AVANT, CGI42- BILLES-AVANT

Brushes replaced by ball casters, inserted the various sheet supports, to offer effortless handling and rotation of large-sized sheets with a simple push.



- Sheet holding plate with pneumatic drive* - Ref. CGI33-PEIGNE, CGI42-PEIGNE

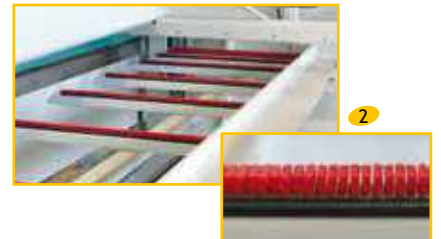
Pneumatic and strengthened sheet holding plate, supports large-sized sheets. Connected to the lowering of the blade, it also carries the sheets to the front in the collecting tray once the cut is made.

* This option requires compressed air supply of 6 bars, please consult us

- Pneumatic sheet holding plate with brushes* ² - Ref. CGI33-PEIGNE-BRO, CGI42-PEIGNE-BRO

Pneumatic sheet holding plate with brushes, supports large-sized sheets. Connected to the blade motion, it also carries the sheets to the front in the collecting tray once the cut is made. The holding plate is equipped with brushes to protect sensitive materials against marking when lowered into the collecting tray.

* This option requires compressed air supply of 6 bars, please consult us



- Large portable sheets collecting tray on swivel casters ³ - Ref. CGI33-BL, CGI42-BL

Strengthened portable tray with brakes, to collect sheets up to 750mm wide from the front of the machines. This tray can be lifted with a forklift thanks to two dedicated spaces in its frame, enabling easy handling once loaded.



OPTIONS features

Automatic sheet holding plate	CGI33-PEIGNE or CGI33-PEIGNE-BRO	CGI42-PEIGNE or CGI42-PEIGNE-BRO
Max. distance between 2 fingers (mm)	380	380
Min. distance between 2 fingers (mm)	60	60
Number of fingers	14	18
Max. width of sheets (mm)	750	750
Sheets collecting tray on casters	CGI33-BL	CGI42-BL
Number of casters with brakes	6	6

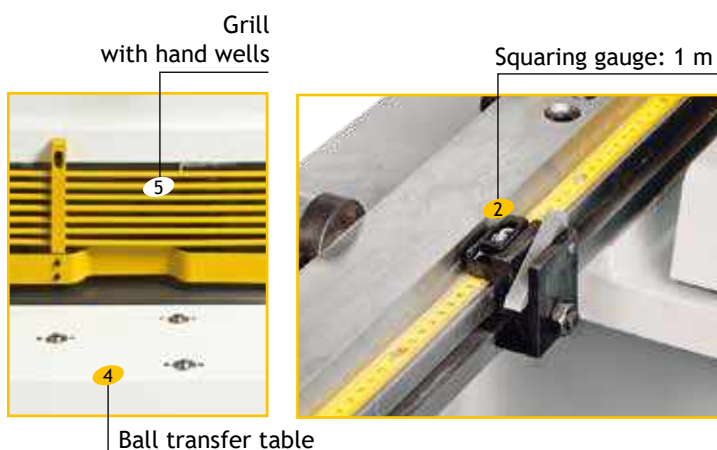
Hydraulic guillotine shears - CHS

With capacities from 0.6 to 16 mm and lengths from 2 to 4 meters, CHS shears are suitable for all sorts of applications: roofing, cladding, metal construction, locksmithing, metalwork, tinsmithing, HVAC...

Machines available from 2 m to 4 m

Hydraulic guillotine shears: CHS with numerical control

- Manual adjustment of blade gap on the side of the machine
- Electric back gauge from 20 to 900 or 1000 mm (depending on model), retractable at the end of the stroke
- Hardened steel blades with 4 cutting edges
- Self-adjusting gauge for each cut
- Program adjusts speed automatically acc. to scheduled motion
- Cut counter with reset, for daily or cumulative total of cuts completed
- Large program capacity - 10 sequences per program (back gauge and number of parts)
- Manual mode selection possible
- Numerical control with 7"-16:9 color touchscreen
- Hour counter for routine machine maintenance follow-up
- Operator and maintenance access codes
- Continuous cut with programmable pauses
- Powerful built-in LED cut line indicator
- Cutting length adjustment on touchscreen
- Safety light curtains provide safe access to the back of the machine **1**
- 1m front squaring gauge includes graduated tool, T-shaped slot with retractable mechanism for easy sheet metal insertion **2**
- Front support arms **3**
- Ball transfer table **4**
- Grill with hand wells for narrow strips **5**
- CE Conformity
- Remote assistance (First time use, updates, diagnostic)



Options

- Automatic electric adjustment of blade gap according to selected thickness - Ref. CHS-RAEL **6**
- Pneumatic sheet holding plate **7**
to be specified upon order - Ref. CHS-PST
This option requires a compressed air supply
- Variable angle gauge **8** - Ref. CHS-EQC



7 Pneumatic sheet holding plate



8 Variable angle gauge

Hydraulic guillotine shears - CHS



Features	CHS 2004	CHS 2504	CHS 2506	CHS 2508	CHS 2512	CHS 2516	CHS 3204	CHS 3206	CHS 3208	CHS 3212	CHS 3216	CHS 4006	CHS 4008	CHS 4012
Useful cutting length (m)	2,0	2,5	2,5	2,5	2,5	2,5	3,2	3,2	3,2	3,2	3,2	4,0	4,0	4,0
Capacity S235JR steel (mm)*	0,6 - 4	0,6 - 4	0,6 - 6	0,8 - 8	0,8 - 12	1 - 16	0,6 - 4	0,6 - 6	0,8 - 8	0,8 - 12	1 - 16	0,6 - 6	0,8 - 8	1 - 12
Number of front support arms	2	2	2	2	2	2	3	3	3	3	3	4	4	4
Dimensions with back gauge and grill (mm) **	L	2560	3 110	3 130	3148	3 225	3 225	3 840	3 840	3 848	3 925	3 925	4 630	4 725
	I	2400	2 400	2 530	2850	2 800	2 800	2 675	2 675	2 850	2 800	2 800	2 850	3 000
	h	1450	1 450	1 600	1760	1 940	1 940	1 620	1 620	1 750	1 940	1 940	1 700	2 040
Weight (kg)***	3 000	3 400	5 200	7000	8 600	11 800	5 100	6 700	8 300	10 800	13 800	8 600	9 700	13 200
Power (kW)	4,5	4,5	8	11,5	19	22,5	6	8	11,5	19	22,5	8	11,5	19
Rate (cuts/min)	20	20	18	16	16	14	20	14	14	12	10	14	12	10
Table height (mm)	735	735	800	800	800	800	800	800	800	800	800	800	800	800
Power supply****	400 V	400 V	400 V	400 V	400 V	400 V	400 V	400 V	400 V	400 V	400 V	400 V	400 V	400 V
	+ three-ph + neutral + ground	+ three-ph + neutral + ground	+ three-ph + neutral + ground	+ three-ph + neutral + ground	+ three-ph + neutral + ground	+ three-ph + neutral + ground	+ three-ph + neutral + ground	+ three-ph + neutral + ground	+ three-ph + neutral + ground	+ three-ph + neutral + ground	+ three-ph + neutral + ground	+ three-ph + neutral + ground	+ three-ph + neutral + ground	+ three-ph + neutral + ground
Cutting angle	1,5°	1,5°	1,5°	1,5°	1,5°	1,5°	1,5°	1,5°	1,5°	1,5°	1,5°	1,5°	1,5°	1,5°
Handling balls on table	16	16	16	16	16	16	24	24	24	16	24	24	24	24
Back gauge min. - max. (mm)*	20-900	20-900	20-1000	20-1000	20-1000	20-1000	20-900	20-1000	20-1000	20-1000	20-1000	20-1000	20-1000	20-1000

* Min. - Max.

** Space requirements for transport, without squaring gauge (length: 700 mm)

*** Without oil

**** Voltage choice to be specified upon order

Electric beading machines: BAGPRO2, BAGPRO3, BAGPRO4

Electronic winding control timer and reset allows the operator to precisely adjust bead opening and make perfectly identical products in repetitive manufacturing.

Machine sizes available: 2.04 m - 3.04 m - 4 m



Model shown
Ref. BAGPRO2



PATENTED
DEVICE

Standard equipment

- Supplementary device **1**, for bending directly on the machine (except for Ref. BAGPRO4)
- Adjustable electronic timer for winding
- Standard machine includes one rod: Ø12, 14, 16 or 18 mm for Ref. BAGPRO2 (please specify Ø upon order), Ø16 or 18 mm for Ref. BAGPRO3 (please specify Ø upon order) and Ø18 mm for Ref. BAGPRO4
- Front work table
- Foot control pedal keeps hands free



Lateral opening allows for bead removal without withdrawing the rod **2**

Technical advantages

- Speed
- Ease-of-use / Convenient
- Production regularity
- Quick adjustments
- Lateral opening allows for bead removal without withdrawing the rod **2**

Available in 6 meters:
please contact us

Features	BAGPRO2	BAGPRO3	BAGPRO4
Useful length (mm)	2040	3040	4000
Dimensions (mm)	2 600 x 1 100 x 1 120	3 600 x 1 100 x 1 120	4 500 x 1 100 x 1 120
Power supply (V)	220 single-phase	220 single-phase	220 single-phase
Power (kW)	0,75	0,75	0,75
Standard Øs of rods:	12, 14, 16 or 18	16 or 18	18
Other rod Øs available (optional):	20, 24, 28	20, 24, 28	20, 24
Weight (kg)	310	465	620

Capacity of electric beading machines in mm

Capacity (mm)	Ø12	Ø14	Ø16	Ø18 and +
Useful length	2040	2040	2040 3040	2040 3040 4000
Zinc / Copper	0,65	0,8	0,8 0,65	0,8 0,8 0,8
Stainless steel	0,4	0,4	0,5 0,4	0,5 0,5 0,5
Lacquered / Galvanized steel	0,5	0,63	0,7 0,53	0,75 0,63 0,63

Options

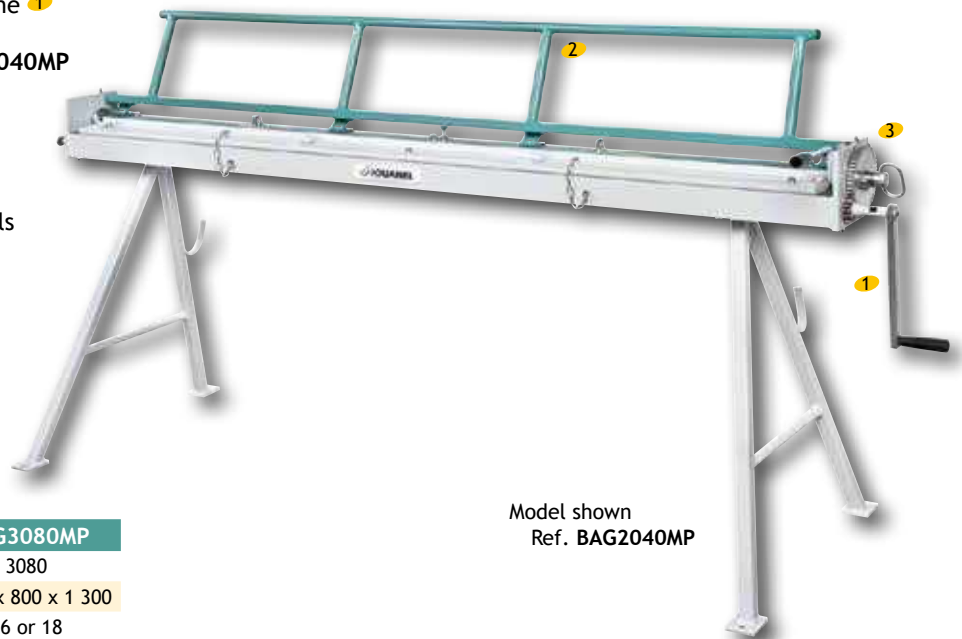
- Other rod Øs (see table)
- Set of 4 wheels: Ref. PCXR3040

Manual beading machines - BAGMP, BAGMD

Manual beading machines: BAG2040MP, BAG3080MP

Machine sizes available: 2.04 m - 3.08 m

- The gear train allows you to work alone **1**
- Standard machine includes one rod:
12, 14, 16 or 18 mm Ø for Ref. BAG2040MP
(please specify Ø upon order),
16 or 18 mm Ø for Ref. BAG3080MP
(please specify Ø upon order)
- Folding device **2**
- Driving mechanism with two cogwheels provide beading regularity **3**



Model shown
Ref. BAG2040MP

Options

- Other rod Øs (see table)

Features	BAG2040MP	BAG3080MP
Useful length (mm)	2040	3080
Dimensions (mm)	2 400 x 700 x 1 300	3 400 x 800 x 1 300
Other standard rod Øs	12, 14, 16 or 18	16 or 18
Other rod Øs available (optional)	20, 24, 28	20, 24
Weight (kg)	120	220

Capacity of manual beading machines (in mm)

Capacity (mm)	Ø12	Ø14	Ø16	Ø18 and +
Length	2040	2040	2040 3080	2040 3080
Zinc / Copper	0,65	0,8	0,8 0,65	0,8 0,8
Stainless steel	0,4	0,4	0,5 0,4	0,5 0,5
Lacquered / Galvanized steel	0,5	0,63	0,7 0,53	0,75 0,63

Manual beading machine BAG1020MD

Machine size available: 1,02 m

- Standard machine includes gear train and one rod:
12, 14, 16 or 18 mm Ø (please specify Ø upon order)
- Other rod Øs available (optional): 20 and 22 mm

Options

- A set of legs in case the machine cannot be installed on a workbench Ref. PM **4**
- Rods: Ref. BAG12-1020MD, BAH14-1020, BAH16-1020, BAH18-1020, BAG20-1020MD, BAG22-1020MD



Capacity of manual beading machine (in mm)

Capacity (mm)	Ø12	Ø14	Ø16	Ø18 and +
Length	1020	1020	1020	1020
Zinc / Copper	0,65	0,8	0,8	0,8
Stainless steel	0,4	0,4	0,5	0,5
Lacquered / Galvanized steel	0,5	0,63	0,7	0,75

Ref. BAG1020MD
with optional legs

Swaging machines - SB

Swaging machine: SB3

Ideal for the building site, equipped with a large adjustable stop plate, to be mounted on a workbench or used with its scaffolding attachment.

Swaging machines: SB5 - SB7

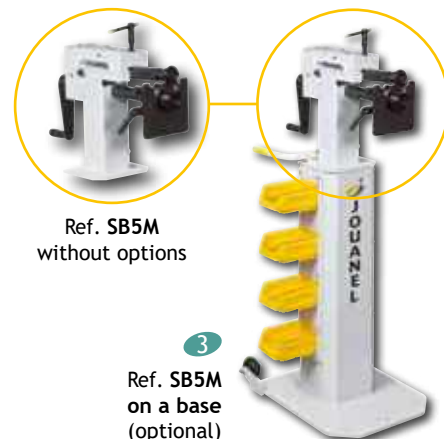
Our latest range of swaging machines with a welded metal structure. Shaft made of hardened steel offering a large working depth, thanks to its lower shaft housing.



Ref. SB3M equipped with scaffolding attachment (standard on SB3M, min-max Ø: 45-49 mm)



Ref. SB3M on a workbench stand (standard on SB3M)



Ref. SB5M without options

Ref. SB5M on a base (optional)

Features	SB3M	SB3M-PLUS	SB5M	SB5M-PLUS	SB5E2V2S	SB5E2V2S-PLUS	SB5EVV	SB5EVV-PLUS	SB7R	SB7RVV
Capacity Stainless steel / Aluminum (mm)	0,6 / 0,8	0,6 / 0,8	0,8 / 1,5	0,8 / 1,5	0,8 / 1,5	0,8 / 1,5	0,8 / 1,5	0,8 / 1,5	1,2 / 2,5	1,2 / 2,5
Capacity S235JR steel (mm)	0,8	0,8	1,2	1,2	1,2	1,2	1,2	1,2	2,0	2,0
Upper shaft horizontal adjustment	no	no	yes	yes	yes	yes	yes	yes	yes	yes
Outer roll Ø (mm)	48	48	58	58	58	58	58	58	88	88
Inner roll Ø (mm)	18	18	24	24	24	24	24	24	30	30
Overhang (greatest working depth) (mm)	70	70	200	200	200	200	200	200	260	260
Weight (kg)	9	9	34	34	72	72	72	72	175	175
Power supply	manual	manual	manual	manual	220V 1-phase	220V 1-phase	220V 1-phase	220V 1-phase	400V 3-phased	220V 1-phase
Rotation speed	-	-	-	-	Variable**	Variable**	Variable*	Variable*	1 fixed	Variable*
Foot-operated control	-	-	-	-	Double	Double	Single*	Single*	Double	Single*
Forward-Reverse control	-	-	-	-	foot pedal	foot pedal	hand switch	hand switch	foot pedal	hand switch
Scaffolding attachment	Included	Included	-	-	-	-	-	-	-	-
Workbench stand	Included 1	Included	-	-	-	-	-	-	-	-
Base	Option 2	Option	Option	Option	Included	Included	Included	Included	Included Single-piece	Included Single-piece
Double stop plate	Included	Included	Option 3	Option	Option 4	Option	Option 5	Option	- 6	-
Sets of rolls	Extra (n° 1, 3, 4, 5, 13, 6, 7, 22-22, 23, 24, 25, 26, 28)	Included n° 3, 4, 5, 22-22, 24 and 26 Extra (n° 1, 13, 6, 7, 23, 25, 28)	Extra (n° 1, 3, 4, 5, 13, 6, 7, 22-22, 23, 24, 25, 26, 26-50, 28, 32, 36)	Included n° 3, 4, 5, 22-22, 24 and 26 Extra (n° 1, 13, 6, 7, 23, 25, 26-50, 28, 32, 36)	Extra (n° 1, 3, 4, 5, 13, 6, 7, 22-22, 23, 24, 25, 26, 26-50, 28, 32, 36)	Included n° 3, 4, 5, 22-22, 24 and 26 Extra (n° 1, 13, 6, 7, 23, 25, 26-50, 28, 32, 36)	Extra (n° 1, 3, 4, 5, 13, 6, 7, 22-22, 23, 24, 25, 26, 26-50, 28, 32, 36)	Included n° 3, 4, 5, 22-22, 24 and 26 Extra (n° 1, 13, 6, 7, 23, 25, 26-50, 28, 32, 36)	Extra (n° 1, 3, 4, 5, 13, 6, 7, 22-22, 23, 24, 25, 26, 26-50, 28, 36)	Extra (n° 1, 3, 4, 5, 13, 6, 7, 22-22, 23, 24, 25, 26, 26-50, 28, 36)

* Adjustable speed with pedal ** Please contact us



Ref. SB5_TAB2
Option Double stop plate
(Only on SB5)



Ref. SB5E2V2S
(Base Included)



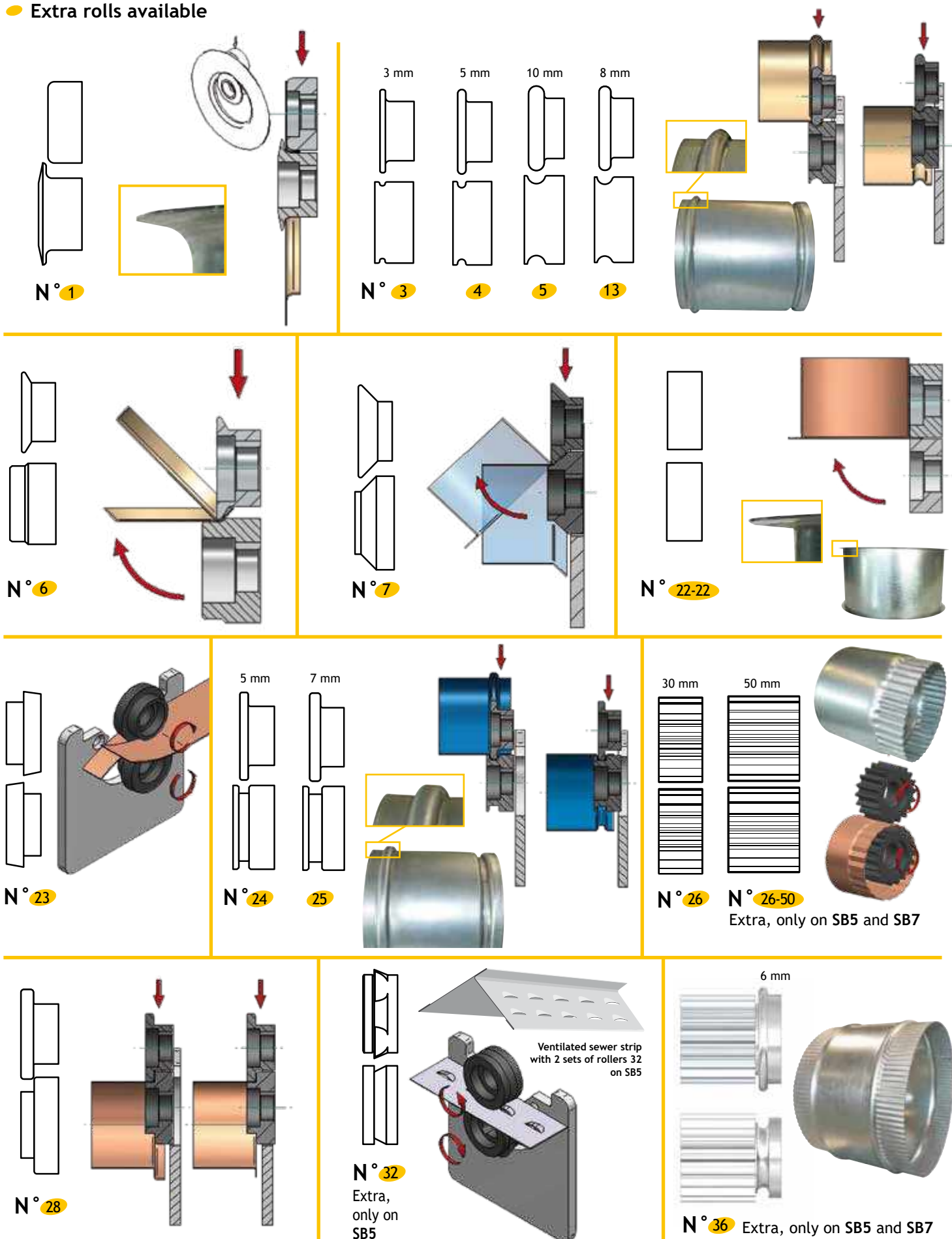
Ref. SB5EVV
(Base Included)



Ref. SB7R
(Single-piece
base included)

Sets of rolls SBMOL for SB swaging machines

● Extra rolls available



Special roll-forming machines for roofing accessories

Features

- Zinc / 1050-H44 aluminum: 0,6 to 0,8 mm (to be specified with the order)
- Tempered steel rollers
- Forward / backward control
- Forward / backward motion step by step
- Continuous forward motion in automatic mode
- Power supply 380 V three-phased
- Speed: 15 m / min



YouTube

DEMONSTRATION VIDEO
available on YouTube® / Channel
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1-Station Roll-forming machine

Model shown: 2-Station Roll-forming machine,
for 14-mm Ø beads 1 and 100 mm cover strip 2
Ref. PRBO14-BS100-C1000

Type of machine	Ref.	Infeed width (mm)	Outer bead Ø boudin (mm)	Adjustable entry guide	Dimensions (mm)	Weight (kg)	Example
Round edge roll-former	PRBO14	150 to 650	14	yes	3000 x 1000 x 1100	800	
	PRBO14-C1000	150 to 1000			3000 x 1400 x 1100	900	
	PRBO16	150 to 650	16	yes	3000 x 1000 x 1100	800	
	PRBO16-C1000	150 to 1000			3000 x 1400 x 1100	900	
	PRBO18	150 to 650	18	yes	3700 x 1500 x 1100	900	
	PRBO18-C1000	150 to 1000			3700 x 1900 x 1100	1000	
Option: Guide for double round edge forming	PRBO14-GFDB PRBO16-GFDB PRBO18-GFDB		14, 16 or 18				
Round edge roll-forming machine with upper bend	PRBO14BR	150 to 650	14	yes	3000 x 1350 x 1100	800	
Gutter line roll-former Option: set of slitting blades at infeed (please contact us)	PRBS100	100		no	2600 x 700 x 1200	500	
Buttstrip roll-formers for cleat roofing tray	PR-CJ	100, 120, 140 or 160 (to be specified upon order)		no	2800 x 700 x 3000	600	
Flat slide roll-formers Option: set of slitting blades at infeed (please contact us)	PR-CO	80		no	2600 x 1200 x 1200	500	

2-Station Roll-forming machine

Possibility of combining two or three different profiles on the same machine, please contact us

Type de machine	Ref.	Infeed width (mm)	Outer bead Ø boudin (mm)	Adjustable entry guide	Dimensions (mm)	Weight (kg)	Examples
Double round edge roll-forming machine and flashing	PRBO14-BS100	150 à 650	14	yes	3000 x 1350 x 1100	800	
	PRBO14-BS100-C1000	150 à 1000			3000 x 1800 x 1100	900	
	PRBO16-BS100	150 à 650	16	yes	3000 x 1350 x 1100	800	
	PRBO18-BS100	150 à 650	18	yes	3000 x 1350 x 1100	800	
Double round edge roll-forming machine and hem (direction of the hem to be specified upon order)	PRBO14-PIN	150 à 650	14	yes	3000 x 1000 x 1100	1000	
	PRBO16-PIN	150 à 650	16	yes	3000 x 1000 x 1100	1000	
	PRBO18-PIN	150 à 650	18	yes	3700 x 1500 x 1100	1300	
Double round edge roll-forming machine and cover strip	PRBO14-CJ100-C1000	150 à 1000	14	yes	3000 x 1800 x 1100	1350	
Flashing double former with coverstrip	PR-BS100A-CJ100	100		no	2500 x 800 x 1050	620	
Sliding double roll former with folding strip	PR-CO-BR	80		no	2300 x 1000 x 1100	900	

Other possibilities of 1 or 2-Station Roll-forming machines, please contact us

● Roll-forming machines: PBC650

The **PBC650** Roll-forming machine is perfectly suitable for shaping cleat roofing trays, with manual or electric versions available, it can be used in workshops or on building sites.

- Light and foldable for easy handling and storage
- Adjustable working height from 160 to 670 mm
- Quick adjustment, no tool needed
- Carrying handles **1**
- Rubber roller drive **2**
- Pre-set positions of measurements: 35, 40, 45 mm **3**
- Adjustable entry guide up to 650 mm **4**
- Rail **5** for adapting roller shear Ref. CCM **6**



Ref. **PBC650M**
Manual model shown with roller shear
Ref. CCM in option



Ref. **PBC650E**
Electric model shown with two-wheeled decoiler
Ref. DVD1000 (not included) and roller shear
Option: Ref. CCM

● Options

- Roller shear Ref. CCM **6**

Features	PBC650M	PBC650E
Gross weight (kg)	66	82
Speed (m/min)	--	10
Dimensions legs excluded (mm)	1115 x 800 x 400	1300 x 800 x 400
Power supply	--	220 V single-phase
Power (kW)	--	0,37
Capacity (mm)	Zinc, Copper, 1050-H44 aluminum: 0,8	
Working height (mm)	160 to 670	160 to 670

For other options for profiling cleat roofing trays,
see p.58, PROBAC-CPRO Options.

Electric roll-forming machines for standing seams

PROBAC-BA, HT, HT-CE

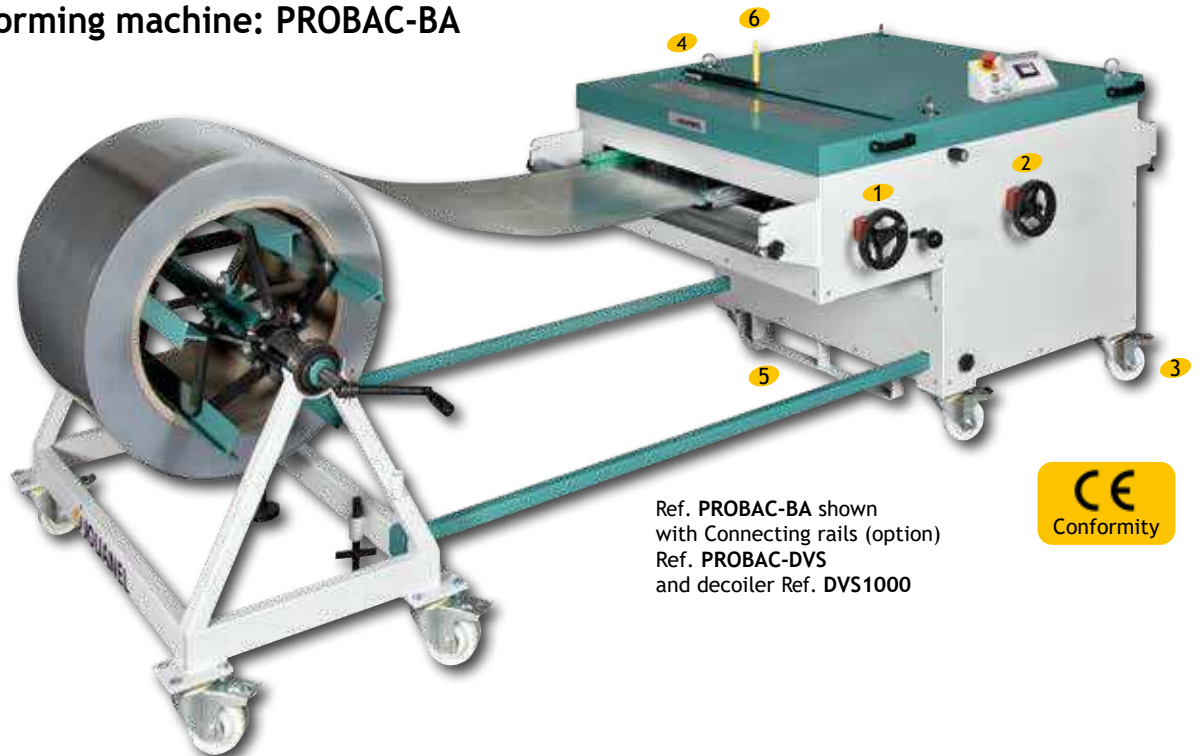


Specially designed to make standing seam profiles for parallel or conical trays, in workshops or on building sites

● Electric roll-forming machine: PROBAC-BA



Manual transversal cut



Ref. PROBAC-BA shown
with Connecting rails (option)
Ref. PROBAC-DVS
and decoiler Ref. DVS1000



Standard equipment

- Wheel equipped with a counter to adjust the coil entry guide ❶
- Wheel equipped with a counter to adjust the strip width ❷
- Set of 4 casters with brakes ❸
- Sliding rings ❹
- Forklift tine slots for easier handling ❺
- Integrated infeed process
- Entry guide on « roller slide » to prevent marks on metal sheets
- Complete or partial manual cross cut to collect offcuts ❻
- Longitudinal cut with or without roll forming
- Profile and tray width adjustment operated by 2 wheels equipped with counters
- 7 roller sets to ensure high profiling quality and longevity of the material: hardened steel, 55HR, protected against corrosion by ion nitriding treatment.
- Metal sheet guiding process designed to form conical trays (1 side after another)
- Programming of one tray length at a time



Partial cut with offcut collection



Console with touch screen



Wheel with counter

Features	PROBAC-BA
Net weight (kg)	496
Dimensions (mm)	1600 x 1380 x 1000
Capacity (mm)	Zinc, Copper, 1050-H44 aluminum: 0,8
Power supply (V)	220V - single-phase 16 A
Power (kW)	1,5
Roll forming speed (m/min)	10
Length accuracy (repetitively)	± 15 mm
Minimum length of trays (mm)	400
Sliding rings	4

Electric roll-forming machines for standing seams

PROBAC-BA, HT, HT-CE



● Electric roll-forming machine: PROBAC-HT

Identical to model Ref. **PROBAC-BA**, the **PROBAC-HT** and **PROBAC-HT-CE** models have the following technical advantages: **Speed** (15 m/min) and accuracy (+ /- 1 mm repetitively over 4 meters) thanks to an adjustable speed drive and precision counter

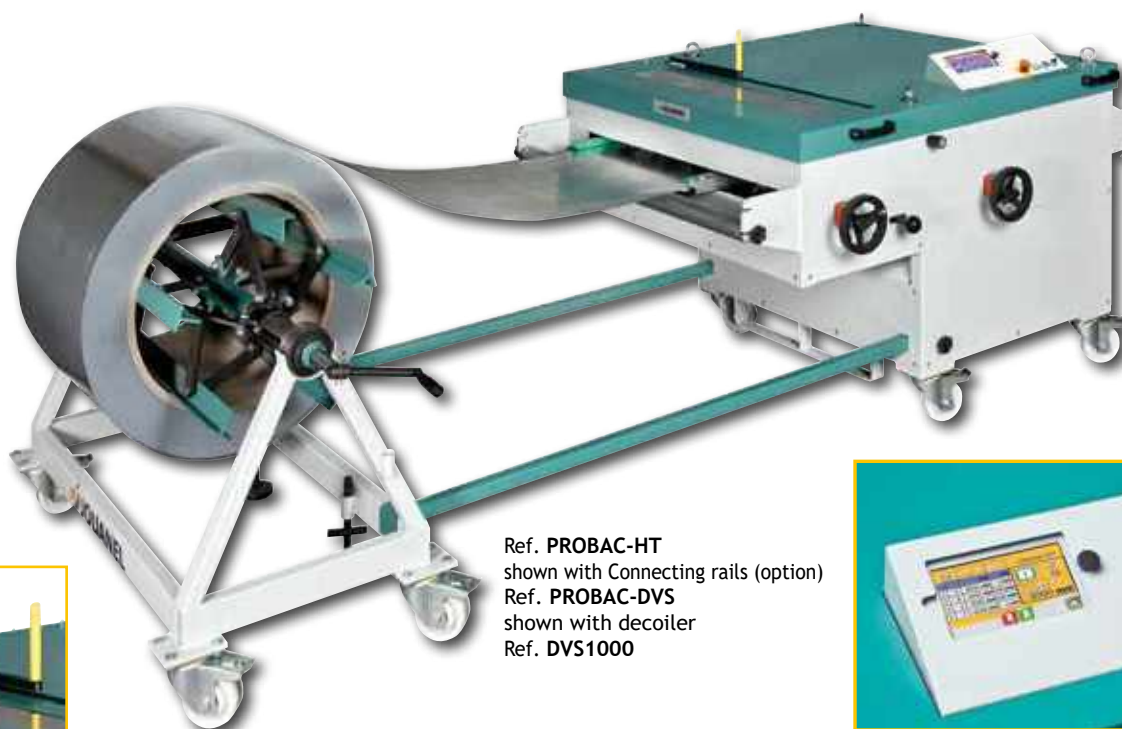
Intuitive machine control on touch screen.

- Select from 4 roll-forming menus:

- Manual without length or quantity programming, reading of the uncoiled length.
- Quick program menu: 1 length, 1 quantity
- Program menu: each program can be named and stored, and may contain several lengths and quantities which will run automatically when manufacturing
- Specific menu: for roll forming « side by side » for the first trays and conical trays allowing to suit the roll forming speed easily to guarantee proper tray support

Features	PROBAC-HT
Net weight (kg)	502
Dimensions (mm)	1600 x 1380 x 1000
Capacity (mm)	Zinc, Copper, 1050-H44 aluminum: 0,8
Power supply (V)	220V - single-phase 20 A
Power (kW)	1,5
Adjustable roll forming speed (m/min)	5-15
Length accuracy (repetitively)	± 1 mm
Minimum tray length (mm)	400
Minimum slitting width (mm)	50
Sliding rings	4

- Maintenance menu informs the operator about the preventive maintenance needed depending on the cumulative roll-formed lengths
- Remote assistance and updates via Ethernet connection (RJ45)
- Cut counter with digital display and reset for daily or cumulative total of roll-formed lengths completed
- Machine can be password-protected, with several access levels available (operator, maintenance, administrator)
- Speed +50%
- 7"-wide, 16/9 Touchscreen with sliding protective cover



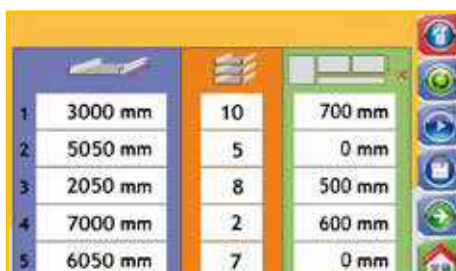
Ref. **PROBAC-HT**
shown with Connecting rails (option)
Ref. **PROBAC-DVS**
shown with decoiler
Ref. **DVS1000**



Manual cross-cut



Console with touch screen
for Ref. **PROBAC-HT**



Touch screen display

Electric roll-forming machines for standing seams

PROBAC-BA, HT, HT-CE



● PROBAC-HT-CE

Machine identical to Ref. PROBAC-HT with the following additional features:

- Electric transverse cut and an automatic cycle for producing several trays without operator intervention



Ref. PROBAC-HT-CE



DEMONSTRATION VIDEO
available on YouTube® / Channel
"Jouanel Industrie"

Features	PROBAC-HT-CE
Net weight (kg)	526
Dimensions (mm)	1600 x 1380 x 1000
Capacity (mm)	Zinc, Copper, 1050-H44 aluminum: 0,8
Power supply (V)	220V - single-phase 20 A
Power (kW)	1,5
Adjustable roll-forming speed (m/min)	5-15
Length accuracy (repetitively)	± 1 mm
Minimum tray length (mm)	400
Minimum slitting width (mm)	50
Slinging rings	4



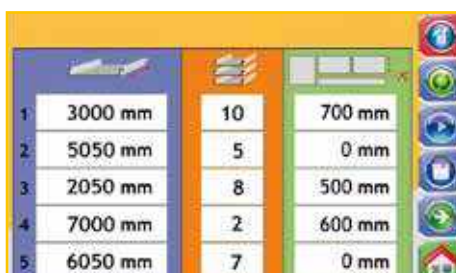
Ref. PROBAC-HT-CE
shown with Connecting rails (option)
Ref. PROBAC-DVS
and decoiler Ref. DVS1000



Cutting tool



Console with touch screen
for Ref. PROBAC-HT-CE

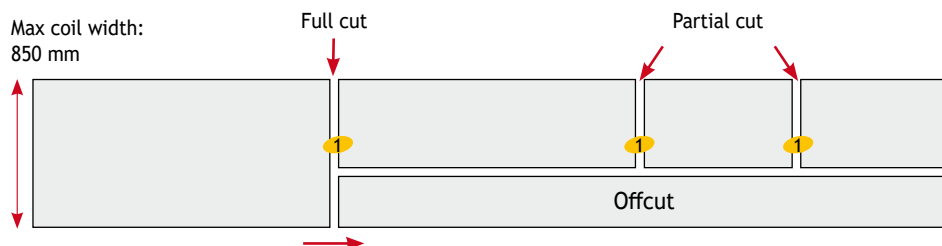


Touch screen display

Electric roll-forming machines for standing seams

PROBAC-BA, HT, HT-CE

The full or partial transversal cut ❶ offers offcut collection if there is slitting ❷. Please see sketch below



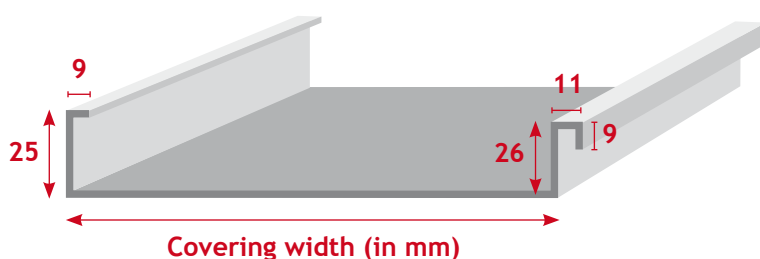
❷ Longitudinal cut

The adjustable longitudinal cut allows simultaneous slitting and roll-forming

Note:

Our PROBAC-BA, HT and HT-CE roll-forming machines may also be used as cutting lines only

Standard standing seam profile



Covering width (mm)	Minimum	Maximum
In 1 run	245	770
In 2 runs	65	700

Other possibilities



Covering width (mm)	Minimum	Maximum
In 1 run	115	765



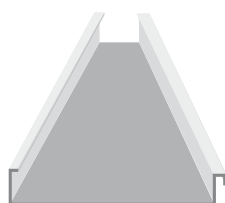
Covering width (mm)	Minimum	Maximum
In 1 run	105	755



Covering width (mm)	Minimum	Maximum
In 2 runs	75	705



Covering width (mm)	Minimum	Maximum
In 2 runs	55	685



Conical tray

Covering width (mm)	Minimum	Maximum
In 2 runs	65	700



Options

- Beading rollers at the bottom of the tray: 2 x 20 x 1.5 mm Ref. **PROBAC-HT-NERV** ❸
- Decoiler width 1 000 mm (maximum load 1 200 kg) Ref. **DVS1000**
- Two connecting rails for Ref. **DVS1000** decoiler Ref. **PROBAC-DVS** ❹



Beading rollers

Light electric roll-forming machines for standing seams PROBAC-LT, LT-C



● Light electric roll-forming machine: PROBAC-LT

Especially suitable for roll-forming on building sites

- Adjustment range: min 250 mm / max 800 mm
- Foldable entry guide
- Adjustment range by wheel
- 7 roller sets to ensure high profiling quality and longevity of the material: hardened steel, 55HR, protected against corrosion by ion nitriding treatment
- Quick adjustment of final profile edge
- Metal sheet guiding process designed to form conical trays (1 side after another)
- 2 casters + 2 legs + 2 handles
- Tray straightener at output

● Light electric roll-forming machine: PROBAC-LT-C

Ref. PROBAC-LT is the same as the above, but has an additional feature: built-in manual cross-cut **1**

Features	PROBAC-LT	PROBAC-LT-C
Net weight (kg)	260	320
Dimensions (mm)	1200 x 1350 x 1050	
Capacity (mm)	Zinc, Copper, 1050-H44 aluminum: 0,8	
Power supply (V)	220V - single 20 A - 50Hz	
Power (kW)	1,1	
Roll forming speed (m/min)	9	
Minimum tray length (mm)	400	
Sliding rings	4	



1 Manual cross-cut



Ref. PROBAC-LT-C



● Options

- Electromechanical length programmer Ref. **PROBAC-LGPRO**, accuracy 0/+2 cm (to be specified upon order) **2**
- Decoiler width 1 000 mm (maximum load 1 200 kg) Ref. **DVS1000**



2 Electromechanical length programmer

Electric roll-forming machines for standing seams

PROBAC-CPRO



Electric roll-forming machine: PROBAC-CPRO

Dismountable and transportable in 3 parts!

A roll-forming machine to shape trays withstanding seam, directly on the building site.

Its device for quick units disassembly allows easy shipping and handling without using mechanized lifting means.

The Compact-Pro roll-former is used for roll forming parallel trays for standing seam in a single pass or for conical trays and first trays in 2 runs

Standard equipment:

Frame:

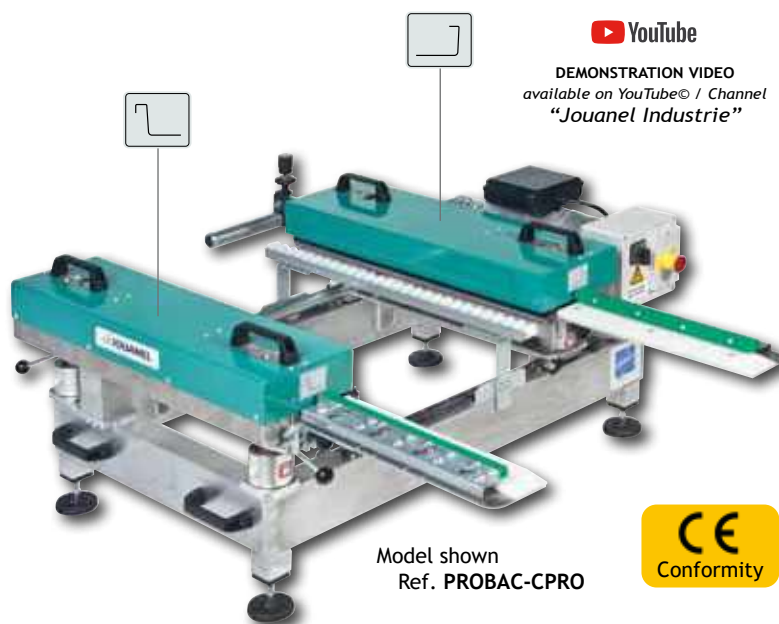
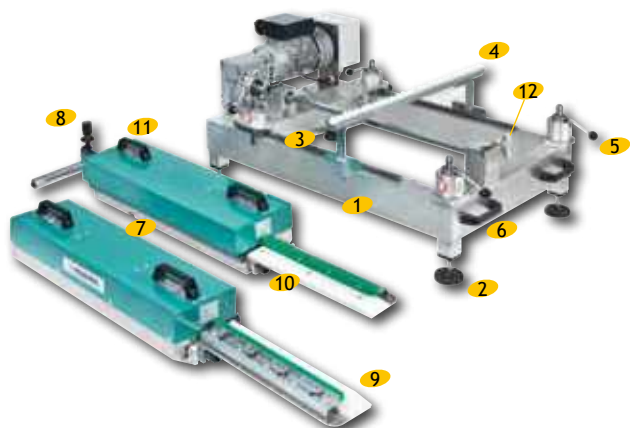
- Frame made of welded-metal aluminum (1)
- 4 Adjustable blocks for levelling of the machine (2)
- Guiding rails allowing sliding the unit to adjust the tray in width (3)
- Metal sheet support guide, sliding, equipped with anti-marking nylon rollers (4)
- 4 fast releasing levers of units (5)
- 4 carrying handles (6)
- 4 slinging rings (12)

Roll-forming units:

- 2 roll-forming units equipped with 7 roll sets to ensure a high profiling quality and longevity of the material: treated steel, hardness 55HR, protected against corrosion by ion nitriding treatment (7)
- Straightening system of the metal sheet (8)
- Entry guides on slide and guiding on rolling bearings to make easy the material passage (9)
- Removable entry guides by releasing levers (10)
- 2 carrying handles per roll-forming unit (11)

Motor:

- Power supply: 220 V single-phase
- Power: 1,1 KW
- Roll-forming speed: 9m /mn
- Forward motion in a continuous operation, control by switch
- Backward motion, control by switch
- Emergency stop system



Model shown
Ref. PROBAC-CPRO

Features	PROBAC-CPRO
Minimum/maximum width	
Minimum sheet width in 1 run (mm)	205
Minimum sheet width in 2 runs (mm)	130
Maximum sheet width (mm)	720
Maximum capacity	
Steel (mm)	0,65
Zinc, copper, 1050-H44 aluminum (mm)	0,8
Dimensions	
Operating dimensions (LxIxH) (mm)	1 200 x 1 400 x 560
Dimensions of the frame with motor (LxIxH) (mm)	1 020 x 650 x 560
Net weight (frame + unit 1 + unit 2)	64 + 46,5 + 46,5



Electric roll-forming machines for standing seams - PROBAC-CPRO



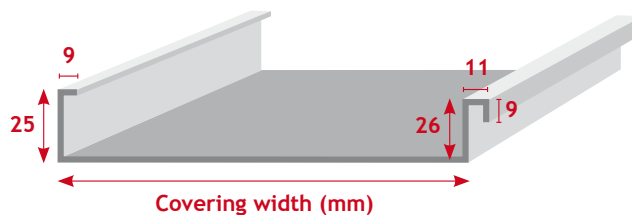
Roll-formed conical tray in 2 runs



Roll-formed parallel tray in 1 run

Standard standing seam profile

Covering width (mm)	Minimum	Maximum
In 1 run	125	640
In 2 runs	50	590



Other possibilities



Covering width (mm)	Minimum	Maximum
In 1 run	85	620



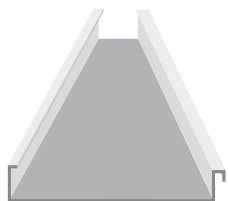
Covering width (mm)	Minimum	Maximum
In 1 run	40	630



Covering width (mm)	Minimum	Maximum
In 2 runs	85	600
In 1 run: see profiling unit in option		



Covering width (mm)	Minimum	Maximum
In 2 runs	40	550
In 1 run: see profiling unit in option		



Conical tray

Covering width (mm)	Minimum	Maximum
In 2 runs	50	590



Options:

- **Two-wheeled decoiler** for handling and uncoiling coils - Ref. DVD1000 - Width: 1m - Capacity: 200 kg
- **Extra roll-forming unit** Ref. PROBAC-TASS for making cleat roofing trays directly on the worksite



Features PROBAC-TASS	
Maximum sheet width (mm)	720
Maximum capacity zinc, copper, 1050-H44 aluminum (mm)	from 0,6 to 1,0
Profile edge height (mm)	from 35 to 45
Profiling speed (m/min)	9



- **Extra roll-forming unit** Ref. PROBAC-CPRO-MAL-G allowing to make male-male profiles in 1 run.
Minimum covering width: 125 mm - Maximum covering width: 640 mm
- **Extra roll-forming unit** Ref. PROBAC-CPRO-FEM-D allowing to make female-female profiles in 1 run.
Minimum covering width: 140 mm - Maximum covering width: 620 mm



Light seamer for standing seam, 1st and 2nd fold - SRLT12

● Light seamer for standing seam 1st and 2nd fold: SRLT12

- Seaming unit for fold No. 1 and reversible for fold No. 2 (1)
- Quick lock/Unlock lever (2)
- Fold-out attachment for screw-gun (3)
- Pressure setting enables flattening adjustment, 5 positions (4)
- Support wheels (5)
- 3 sets of rolls
- Coated and hollowed out steel rolls
- Safety ring to keep tool from falling (6)
- Stackable carrying case with foam


NB : Cordless power tool not included with this model

Features	SRLT12
Maximum capacity for the 1st fold	
Capacity for zinc, copper and aluminum (mm)	0.8
Capacity for steel (mm)	0.7
Maximum capacity for the 2nd fold	
Capacity for zinc, copper and aluminum (mm)	0.8
Capacity for steel (mm)	0.6
Adjustment profile height (mm):	25 and 32
Minimum radius arch-folded roofing (mm)	3000
Seaming speed (average, depending on screw-gun used) (m/mn)	50
Overall dimensions (l x w x h) (mm) Without screw-gun / fixing system folded in	332 x 244 x 115
Net weight, without screw-gun (kg)	5.5
Carrying case	yes

Instruction manual available
on our website:
www.jouanel.com

The quality of the tray is essential for the proper seaming operation.
Please check the dimensions of your profile in accordance with the standard dimensions of the standing seam.



 DEMONSTRATION VIDEO
available on YouTube® / Channel
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● Option for SRLT12 seamer: motorization kit SRLT12-KITBARD specific for standing seam cladding 1st fold for standing seam trays

More information on the product data sheet

Features	SRLT12-KITBARD
Maximum capacity for the 1st fold	
Capacity for zinc, copper and aluminum (mm)	0.8
Capacity for steel (mm)	0.7
Seaming speed (average) (M/mn)	50
Overall dimensions (l x w x h) (mm) with DeWALT screw-gun fixing on the seaming unit SRLT12	367 x 244 x 210
Manufacturer's warranty (in normal use)	1-year

NB: seaming unit not included



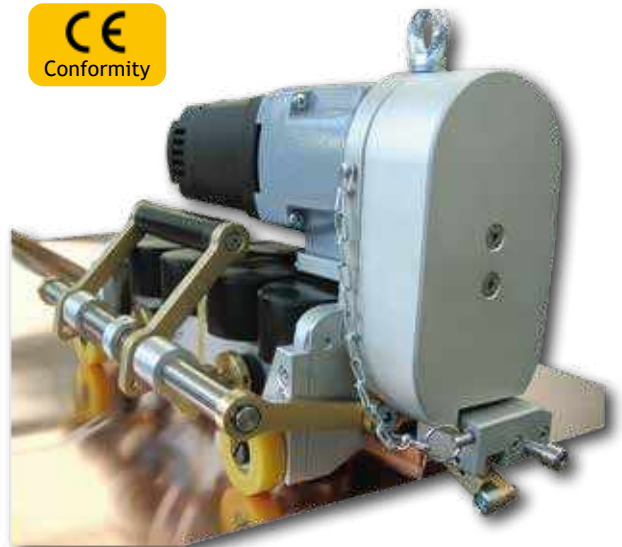
Electric seamers - SER

Seamers for standing seams, allow you to close the 1st and 2nd seams

- Ref. **SER100A-05**: standard model
- Ref. **SER100A-05WAD**: model equipped with a set of cutting rollers Ref. **SER-05GALDEC** and an automatic stop switch at the end of the tray Ref. **SER-05SWITCH**



Model shown
Ref. **SER100A-05**

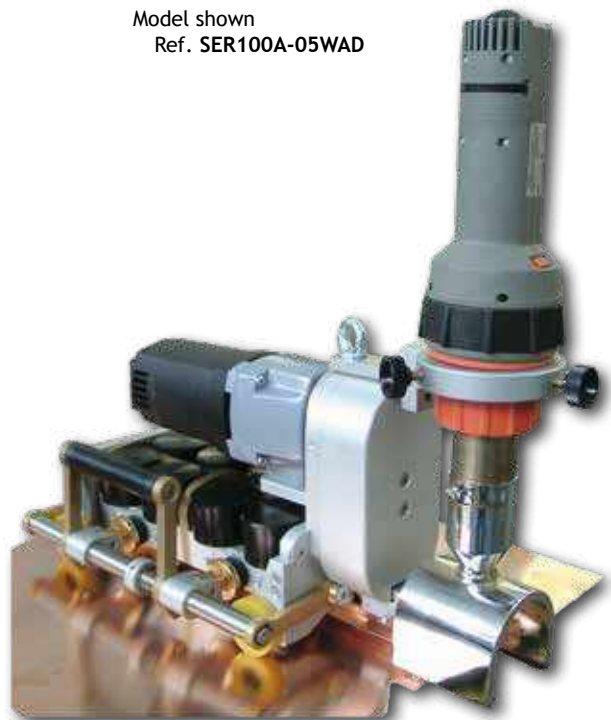
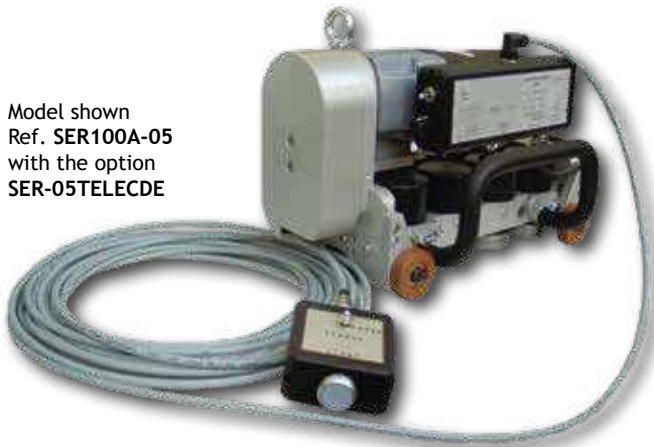


Model shown
Ref. **SER100A-05WAD**

Options

- Winter heating device Ref. **SER-05SETHIVER**
- Remote control with 12 m cable Ref. **SER-05TELECDE**
- Set of cutting rollers Ref. **SER-05GALDEC**

Model shown
Ref. **SER100A-05**
with the option
SER-05TELECDE



Model **SER100A-05WAD** shown
with option **SER-05SETHIVER**

Features	SER100A-05	SER100A-05WAD
Weight (kg)	22	22
Minimum radius for curved roofing (mm)	1200	1200
Adjustable speed (m/min)	from 5,5 to 13 m/min	from 5,5 to 13 m/min
Power supply	230 V single-phase	230 V single-phase
Capacity (mm)	steel, zinc, copper, aluminum: 0,8 stainless steel: 0,5	steel, zinc, copper, aluminum: 0,8 stainless steel: 0,5
Minimum assembly length (mm)	140	140
Minimum operating temperature	10°C (without winter set)	10°C (without winter set)
Set of cutting rollers	No	Yes
Automatic stop switch at the end of tray	No	Yes

Electric slitting machine - RFD

Electric slitting machine: RFD

This machine is specially designed for the longitudinal slitting of parallel trays and conical trays

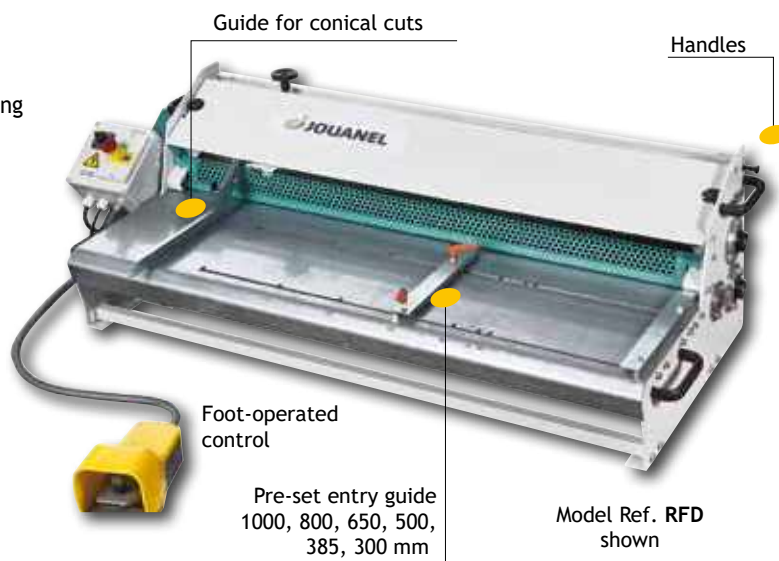
- Distance between columns (maximum width of the sheet) 1 350 mm
- 1 set of blades: Ø 118 mm
- Rubber roller drive
- Foot switch
- Ground and polished shaft: Ø 60 mm

Options

- 1 additional set of blades Ref. **RFD-CTSU*** (to be specified upon order)
- Set of 4 casters with brakes Ref. **RFD-ROUL**

Features	RFD
Weight (kg)	95
Speed (m/mn)	9
Power supply (V)	220 V single-phase
Motor power (kW)	0,37
Dimensions (mm)	1600 x 700 x 500
Capacity with one set of blades* (mm)	lacquered steel: 0,65 aluminum: 1 zinc/copper: 0,8 stainless steel: 0,5
Operating height	420 /200
With / without casters	

* Adding an extra set of blades reduces the cutting capacity



Electric arch curving machine - RCBPRO

Electric arch curving machine: RCBPRO

Machine designed for bending standing seam trays

- Equipped with 2 motors with variable speed to best adjust the bending on each side and the overall speed.
- Control button and foot switch for hands-free machine control
- Forward/Reverse, One by one or Continuous use

Features	RCBPRO
Weight (kg)	375
Minimum radius (mm), depending on conditions and material used	350
Dimensions (mm)	800 x 800 x 1 500
Power supply	220 V single-phase
Min-max capacity (mm)	zinc, copper, aluminum: 0,6-0,8



DEMONSTRATION VIDEO

available on YouTube© / Channel "Jouanel Industrie"



Examples

Decoilers - DVD, DVS

Decoiler: DVD1000

This two-wheeled decoiler is perfect for handling and uncoiling 1 m wide coils



Model
Ref. DVD1000 shown

Features	DVD1000
Maximum load (kg)	200
Net weight (kg)	26

Decoilers: DVS1000, DVS1250

- Equipped with 4 swivel casters with brakes
- Caster axis mounted on ball bearings
- Manual mandrel expansion from Ø 285 to 540 mm
- Maximum external diameter of the coil 1000 mm
- Manual brake on the same side as the handle for quick adjustments
- Rewind without manipulating the hub expander



Model shown
Ref. DVS1000



Features	DVS1000	DVS1250
Maximum load (kg)	1 200	1 000
Width (mm)	1 000	1 250
Net weight (kg)	126	130

Double decoiler: DVS1000D

- Floor space requirement: length 1270 x width 1335mm
- 2 hubs for coils, width: 1000 mm
- Manual hub expansion from Ø 285 to 540 mm
- Maximum outer diameter of the coil 1000 mm
- Manual brake on the same side as the handle for quick adjustments
- Rewind without manipulating the hub expander




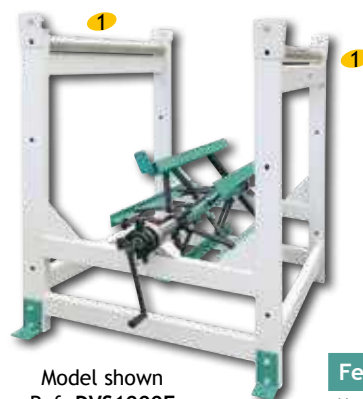
Model shown
Ref. DVS1000D

Features	DVS1000D
Maximum coil width (mm)	1 000
Maximum coil weight (kg)	1 200
Maximum outer diameter (mm)	1 000
Inner coil diameter (mm)	from 285 to 540
Overall dimensions (L W H mm)	1 760 x 1 540 1 380
Net weight (kg)	239

Decoilers: DVS-E

Our modular decoilers Ref. DVS1000E and DVS1250E optimize the storage and handling of your coils

- Manual mandrel expansion from Ø 285 to 540 mm
- Maximum external diameter of the coil 850 mm
- Stackable, maximum: 3 decoilers
- Brake and handle on the same side
- Can be loaded from the side
- Rewind function
- 2 Retractable and movable rollers  to guide and handle sheet metal
- Decoils from the top or from the bottom



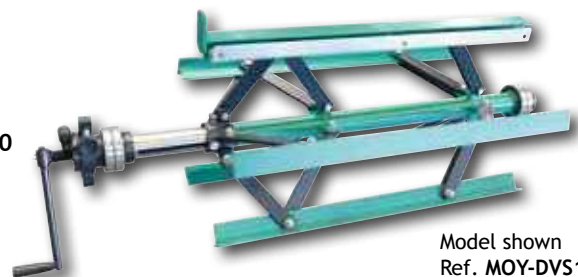
Model shown
Ref. DVS1000E



Features	DVS1000E	DVS1250E
Maximum load (kg)	1 200	1 000
Width (mm)	1 000	1 250

Extra hubs for DVS decoilers

- For Ref. DVS1000, DVS1000D and DVS1000E : Ref. MOY-DVS1000
- For Ref. DVS1250 and DVS1250E : Ref. MOY-DVS1250
- Decoilers with other capacities upon request (4, 5, 10, 15 tons)



Model shown
Ref. MOY-DVS1000

Decoiler - DVM

Decoiler: DVM500

Decoiler for 0.5 m to 1.25 m wide coils

Very easy to move around and transport in vehicles, this light and versatile decoiler is particularly suited to work on building sites

- Simple and sturdy design
- Anti-corrosive, zinc-plated steel base
- 1 roller with a fixed position
- 1 roller with an adjustable position
- Carrying handle
- Base includes anti-skid pads



Model shown
Ref. DVM500



Model
Ref. DVM500
(shown with
a 500 mm wide coil)



Model Ref. DVM500
(shown with a 1000 mm
wide coil)

	DVM500
Maximum load (kg)	500
Range of the movable roller (mm)	275
Min. distance between rollers (mm)	420
Max. distance between rollers (mm)	200
Base dimensions (L W H mm)	565 x 590 x 100
Overall dimensions (L W H mm)	610 x 590 x 210
Net weight (kg)	21

Roller table - TRX

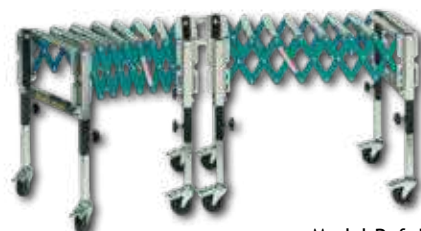
Extendable roller table: TRX

- Especially suited to roll-forming and bending standing seam trays and cleats, this table is height adjustable, and provides a perfectly flat surface for machine output.
- Tables can be attached together in order to work with longer lengths.

Features	TRX
Height (mm)	670 to 940
Length (mm)	420 x 1300
Width (mm)	500
Roller Ø (mm)	42
Number of rollers	9
Maximum load (kg)	150
Weight (kg)	42



Model shown
Ref. TRX



Model Ref. TRX
(shown with 2 units)

Asymmetrical roll-bending machines - CACDS, SDS

Manual roll-bending machine for workbenches: CACDS33

Asymmetrical roll-bending machines for leveling, pinching and roll-bending small diameters (Roller Ø * x 1.5 = Ø of the pipe, approximately)



Features	CACDS33
Roller Ø (mm)*	33
Useful length (mm)	500
Capacity stainless steel / alu (mm)	0,5 / 0,7
Capacity S235JR steel (mm)	0,6
Control	Manual
Weight (kg)	34
Base: SSOCLE33	Optional

Model shown
Ref. CACDS33

Asymmetrical roll-bending machines: SDS

2 models available:

- Manual M
- Electric with speed control EVV

- Crowned rollers
- Rack-and-pinion operated lever for quick pinch adjustment and quick bending roller position adjustment 1
- Driving rollers on self-lubricating rings
- Brake motor
- Emergency stop cable, for the electric model
- Safety guards on lower and upper rollers reduce crushing risk

Features	SDS48M	SDS48EVV
Upper roller Ø (mm)	48	48
Useful length (mm)	1 050	1 050
Capacity stainless steel / aluminum (mm)	0,7 / 1,2	0,7 / 1,2
Capacity S235JR steel (mm)	1,0	1,0
Control	Manual	Motorized Variable speed
Power supply (V)	-	220 1-phase
Power (kW)	-	0,75
Weight (kg)	95	150
Base: SDS48SOC	Optional	Included



Model shown Ref. SDS48M
+ Base SDS48SOC



Model shown
Ref. SDS48EVV



Asymmetrical roll-bending machines - ROL

Asymmetrical roll-bending machines: ROL

The ROL roll-bending machines have been specially designed for roll-bending thin metal sheets for HVAC, insulation, industrial sheet metal fabrication and sheet metal workshops.

Standard equipment :

- To prevent rolls from being marked, they are machined with hardened, high-carbon steel (24 HRC)
- For repetitive manufacturing, the back roller is equipped with a digital indicator, to find the selected position easily **1**
- The lower roller is equipped with a position marker for easier setting, depending on the thickness **2**
- For manufacturing seaming pipes the upper roller is equipped with a tangential slot
- For roll-bending cones, the machine is equipped with a movable gauge **3** and a tilting device for the back roll
- Our manually-operated machines can be easily retrofit to electric even after installation (Ref. KIT-ELEC-ROL)
- The motor is equipped with speed control, for easy running speed adjustment, depending on the part to be produced
- The driving motor is equipped with a brake, allowing for accurate positioning of the metal sheet by eliminating the effects of inertia



Safety of the electric models:

- Safety guards on lower and upper rolls reduce the risk of crushing
- Safety guard on pinion gears
- Emergency stop pedal underneath machine
- Motor brake eliminates the risk of inertial motion
- CE Conformity

Features	ROL650-20M	ROL650-20EVV	ROL1050-15M	ROL1050-15EVV	ROL1270-12M	ROL1270-12EVV	ROL2050-06M	ROL2050-06EVV
Useful length (mm)	650	650	1050	1 050	1270	1270	2050	2050
Capacity stainless steel / aluminum (mm)	1,2 / 2,5	1,2 / 2,5	0,8 / 2	0,8 / 2	0,7 / 1,5	0,7 / 1,5	0,4 / 0,7	0,4 / 0,7
Capacity S235JR steel (mm)	2,0	2,0	1,5	1,5	1,2	1,2	0,6	0,6
Diameter of rollers*	upper and lower conical roller. 60 mm							
Hardness of rollers	90-100 kg/mm ²							
Minimum rolling diameter	80 to 120 mm according to thickness and type of metal sheet							
Working height	920 mm							
Power (kW)	Manual	0,75	Manual	0,75	Manual	0,75	Manual	0,75
Rotation speed of rollers		Adjustable 9 m/min		Adjustable 9 m/min		Adjustable 9 m/min		Adjustable 9 m/min
Power supply	Crank	220V, 1P+Ground	Crank	220V, 1P+Ground	Crank	220V, 1P+Ground	Crank	220V, 1P+Ground
Control		Double pedal forward reverse		Double pedal forward reverse		Double pedal forward reverse		Double pedal forward reverse
Dimensions (L W H) (mm)	1 100 x 610 x 1 175	1 100 x 750 x 1 175	1 500 x 610 x 1 175	1 500 x 750 x 1 175	1 720 x 610 x 1 175	1 720 x 750 x 1 175	2 500 x 610 x 1 175	2 500 x 750 x 1 175
Gross weight (kg)	196	236	226	266	251	291	365	405

Roller Ø * x 1.5 = Ø of the pipe, approximately

Asymmetrical roll-bending machines: RPL

Asymmetrical roll-bending/levelling machines for pinching edges.

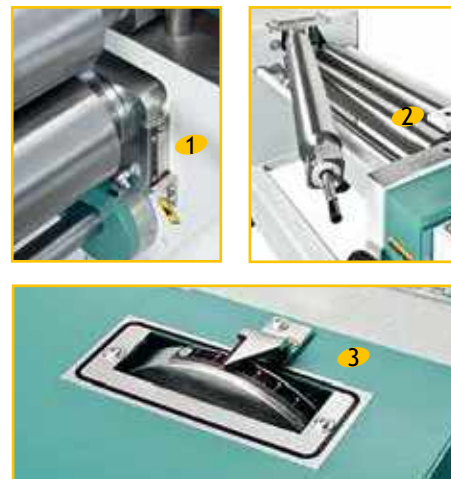
- Rollers machined with high-carbon steel (95/105 kg)
- Driving rollers' bearings on a double needle roller cage assembly for long-term accuracy
- Wheel-operated presser roller adjustment with graduated scale for position indication **1**
- Convenient side clearance keeps roller in horizontal position **2**
- Manual or electric drive adjustment of the pinch roller with graduated scale and pointer **3**

3 different models available

- **Type M** - Manual: wheel for adjustment, crank for roll-bending
- **Type E** - Machine with semi-electric drive: foot-operated motorized roll-bending and manual adjustment of the pinch roller
- **Type EE** - Fully electric drive system: foot-operated motorized roll-bending and electric adjustment of the pinch roller



Model shown
Ref. RPL1550-30EE



Option: Conical rolling Ref. RPL-RCO

Features	RPL1050-20M	RPL1050-20E	RPL1050-30M	RPL1050-30E	RPL1050-30EE	RPL1050-40E	RPL1050-40EE	RPL1050-50EE	RPL1050-60EE
Useful length (mm)	1 050	1 050	1 050	1 050	1 050	1 050	1 050	1 050	1 050
Capacity S235JR steel (mm)	2	2	3	3	3	4	4	5	6
Roller Ø (mm)*	75	75	95	95	95	120	120	135	160
Control	M	E	M	E	EE	E	EE	EE	EE
Power supply (V)	-	400 V three phase	-	400 V three phase	400 V three phase	400 V three phase	400 V three phase	400 V three phase	400 V three phase
Power (kW)	-	0,75	-	1,1	1,1	1,5	1,5	2,2	3
Operating dimensions (mm)	L	1 700	1 600	1 650	2 600	2 520	2 520	2 520	2 600
	W	1 100	900	850	1 100	850	850	850	1 100
	H	1 330	1 100	1 200	1 100	1 200	1 200	1 200	1 350
Weight (kg)	400	510	780	1 090	1 200	1 370	1 400	1 580	1 900

Features	RPL1550-12M	RPL1550-12E	RPL1550-20M	RPL1550-20E	RPL1550-20EE	RPL1550-30M	RPL1550-30E	RPL1550-30EE	RPL1550-40E	RPL1550-40EE	RPL1550-50EE
Useful length (mm)	1 550	1 550	1 550	1 550	1 550	1 550	1 550	1 550	1 550	1 550	1 550
Capacity S235JR steel (mm)	1,2	1,2	2	2	2	3	3	3	4	4	5
Roller Ø (mm) *	75	75	95	95	95	120	120	120	135	135	160
Control	M	E	M	E	EE	M	E	EE	E	EE	EE
Power supply (V)	-	400 V three phase	-	400 V three phase	400 V three phase	-	400 V three phase	400 V three phase	400 V three phase	400 V three phase	400 V three phase
Power (kW)	-	0,75	-	1,1	1,1	-	1,5	1,5	2,2	2,2	3,0
Operating dimensions (mm)	L	2 020	2 050	2 150	3 020	3 020	2 650	3 020	3 020	3 020	3 100
	W	720	720	850	850	850	850	850	850	850	1 100
	H	1 100	1 200	1 100	1 200	1 200	1 200	1 200	1 200	1 200	1 200
Weight (kg)	540	570	820	1 470	1 500	1 520	1 570	1 600	1 770	1 820	2 200

Features	RPL2050-8M	RPL2050-8E	RPL2050-12M	RPL2050-12E	RPL2050-12EE	RPL2050-20M	RPL2050-20E	RPL2050-20EE	RPL2050-30E	RPL2050-30EE	RPL2050-40EE
Useful length (mm)	2 050	2 050	2 050	2 050	2 050	2 050	2 050	2 050	2 050	2 050	2 050
Capacity S235JR steel (mm)	0,8	0,8	1,2	1,2	1,2	2	2	2	3	3	4
Roller Ø (mm) *	75	75	95	95	95	120	120	120	135	135	160
Control	M	E	M	E	EE	M	E	EE	E	EE	EE
Power supply (V)	-	400 V three phase	-	400 V three phase	400 V three phase	-	400 V three phase	400 V three phase	400 V three phase	400 V three phase	400 V three phase
Power (kW)	-	0,75	-	1,1	1,1	-	1,5	1,5	2,2	2,2	3
Operating dimensions (mm)	L	2 520	2 570	2 650	3 520	3 550	3 520	3 550	3 520	3 600	3 520
	W	720	720	850	850	950	850	950	850	1 100	850
	H	1 100	1 100	1 200	1 200	1 200	1 200	1 200	1 200	1 200	1200
Weight (kg)	720	750	1 650	1 770	1 850	1 740	1 770	1 850	2 020	2 055	2 500

Roller Ø * x 1.5 = Ø of the pipe, approximately

● MLC1250 Line

Cutting lines allow you to infeed, slit and cut-to-length directly from coils of sheet metal:

- Entry table with rollers, guides are adjustable by lever, counter included, maximum width 1250 mm
- Motorized infeed station with pressure adjustment (1 steel roller + 1 rubber-coated roller: Ø 80 mm)
- Slitting station with 100 mm Ø ground and polished shafts, equipped with 3 sets of 154 mm Ø cutting blades, adjustable, with built-in measuring device
- Manual shaft adjustment by wheel and counter
- Minimum cutting width: 80 mm between cutter blades, 10 mm for the edge
- Sets of reversible slitting blades mounted on one-piece cutting-blade unit
- Mechanical guillotine shearing unit
- Maximum uncoiling speed: 20 m/min
- Accuracy on cuts +/- 1 mm
- Manual operating mode available

Control console mounted on a bracket:

- 7" color touch screen (16:9)
- Program with 10 programmable lines: with or without slitting, different lengths and quantities, for up to 999 parts
- CNC automatically informs the operator of upper shaft raising/ lowering
- Name and save programs
- Manual operating mode available
- **Remote maintenance** (commissioning of the machine, remote updates)

Model shown
Ref. MLC1250-HT-BD



- The MLC lines are also available without a slitting station (please contact us)

● Options for all MLC models

- Additional set of cutter blades* (MLC-C)
- Infeed selector, please contact us

● MLC1250-BD Line

With the same equipment and maximum uncoiling speed as model MLC1250, this machine has a straightening station as an additional feature:

- 3 steel rollers: Ø 80 mm
- Position reading on a graduated dial

● MLC1250-HT Line

With the same equipment and maximum uncoiling speed as model MLC1250, this machine has automatization as an additional feature:

- Production management: total and partial cut lengths, reduces the amount of material used
- Slitting optional, upper cutting blades lift automatically, no material loss
- Automatic lifting and lowering of the slitting shaft
- Cut accuracy +/- 0.5 mm

● MLC1250-HT-BD Line

Same equipment and max. uncoiling speed as the Ref. MLC1250-HT with a straightening station in addition:

- 3 steel rollers: Ø 80 mm
- Position reading on a graduated dial



Easy access and quick adjustment of slitting blades

Features	MLC1250	MLC1250-BD MLC1250-HT MLC1250-HT-BD
Weight (kg)	1 200	1 200
Dimensions (mm)	1 450 x 1 600 x 1 900	1 450 x 1 600 x 1 900
Motor power: Infeeding / straightening (kW)	1,5	1,5
Shearing unit power (kW)	1,1	1,1
Lifting power for slitting blades (kW)	-	0,18
Power supply	230 V (Single phase + ground), 20 A	400 V (three phase + neutral + ground), 16 A
Shearing capacity S235JR steel (mm)	1,2	1,2
Slitting capacity S235JR steel with 3 cutting blades* (mm)	1	1

* Caution, the additional set of cutting blades reduces the cutting capacity when slitting

Light manual cutting unit - CLD-LT

Essential for quick and effortless production using zinc, stainless steel or steel lengths intended for shaping. Adapted to thin sheet metal: roofing, zinc work, HVAC and insulation, our manual or electric cutting units will offer added working comfort and safety

• Light manual cutting unit: CLD-LT

Standard equipment

Uncoiling:

- Manual uncoiling by pulling or pushing
- Adjustable infeeding guides from 250 to 1250 mm on slides and with locking levers (1)
- Sheet guides on ball bearings (2)
- Idle roller at entry to guide the top of metal sheet (3)
- Nylon protector at input keeps underside of sheet metal mark-free
- Position lock by eccentric and anti-return wheel

Cutting:

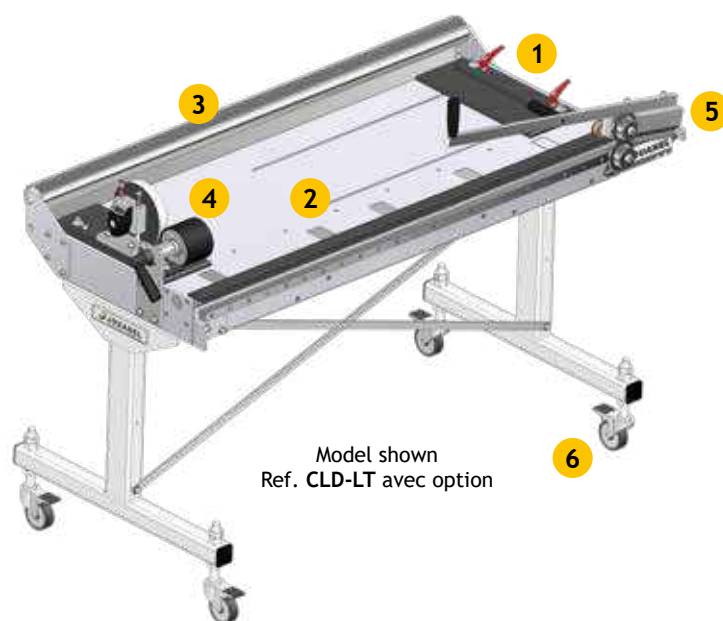
- Sheet clamping beam with rubber roller and anti-return coil lock (4)
- Roller shear for manual cutting (5)
- Ball profile rail guide for cutting
- Ground and polished blades made of 58 HRC hardened steel

Handling:

- 4 Ball bearing casters with brakes, 70 mm Ø (6)

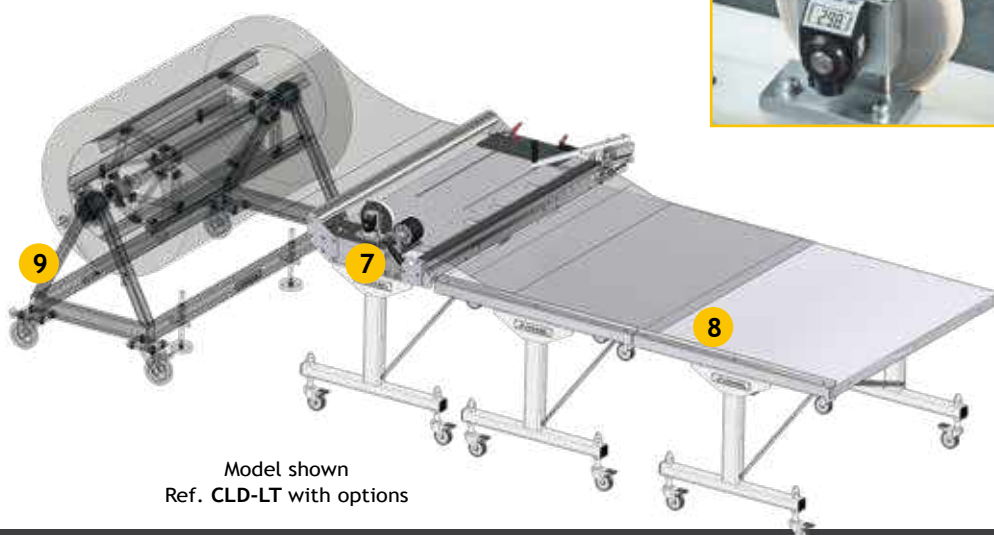
• Options

- Measuring wheel with digital display accurate to 1/10 (7) Ref. CLD-COMPTEUR
- Output table with adapter for connecting several tables (8) Ref. CLD-TAB-1M
Length 1 000 x width 1 250 x height 740 mm (adjustment +/- 15 mm)
Output table, maximum load: 250 kg
- Portable decoiler width 500 to 1250 mm (maximum load 500 kg) Ref. DVM500
- Decoiler width 1 000 mm (maximum load 1 200 kg) Ref. DVS1000
- Output table with adapter for connecting several tables (9) Ref. DVS1250



Model shown
Ref. CLD-LT avec option

Features	CLD-LT
Maximum cutting capacity	
Soft steel (mm)	0,7
Zinc, Copper, 1050-H44 aluminum (mm)	0,8
Stainless steel (mm)	0,5
Uncoiling	
Minimum coil width (mm)	250
Maximum coil width (mm)	1 250
Dimensions	
Operating dimensions (mm)	1 610 x 800 x 1 110
Sheet overhead clearance (mm)	825 (adjustable +/- 15 mm)
Transport dimensions (mm)	1 700 x 1 100 x 1 300
Net weight (kg)	80
Gross weight (kg)	130



Model shown
Ref. CLD-LT with options



Manual uncoiling by crank, manual cutting: CLD-AM

Standard equipment

Uncoiling:

- Manual uncoiling by crank (1)
- Rubber drive rollers
- Adjustable infeeding guides from 250 to 1250 mm on slides and with locking levers (2)
- Sheet guides on ball bearings (3)
- Idle roller at entry to guide the top of metal sheet (4)
- Nylon protector at input keeps underside of sheet metal mark-free
- Position lock by eccentric and anti-return wheel

Cutting:

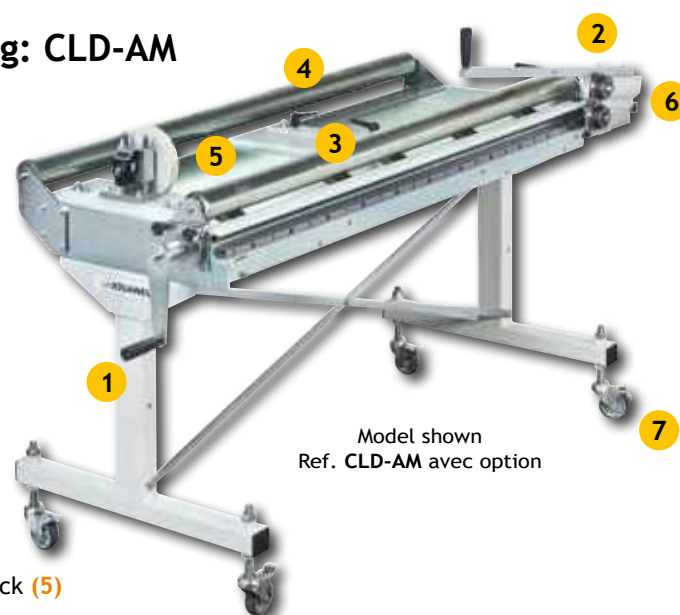
- Sheet clamping beam with rubber roller and anti-return coil lock (5)
- Roller shear for manual cutting (6)
- Ball profile rail guide for cutting
- Ground and polished blades made of 58 HRC hardened steel

Handling:

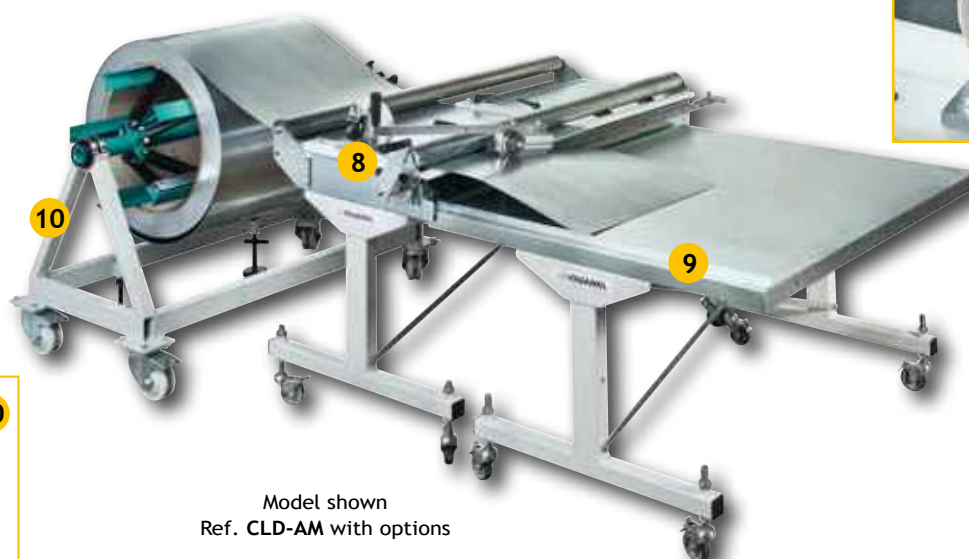
- 4 Ball bearing casters with brakes, 70 mm Ø (7)

Options

- Measuring wheel with digital display accurate to 1/10 (8)
Ref. **CLD-COMPTeur**
- Output table with adapter for connecting several tables (9)
Ref. **CLD-TAB-1M**
Length 1 000 x width 1 250 x height 740 mm
(adjustment +/- 15 mm)
Output table, maximum load: 250 kg
- Portable decoiler widths 500 to 1250 mm (maximum load 500 kg) Ref. **DVM500**
- Decoiler width 1 000 mm (maximum load 1 200 kg) Ref. **DVS1000**
- Decoiler width 1 250 mm (maximum load 1 000 kg) (10) Ref. **DVS1250**



Features	CLD-AM
Maximum cutting capacity	
Soft steel (mm)	0,7
Zinc, Copper, 1050-H44 aluminum (mm)	0,8
Stainless steel (mm)	0,5
Uncoiling	
Minimum coil width (mm)	250
Maximum coil width (mm)	1 250
Dimensions	
Operating dimensions (mm)	1 800 x 800 x 1 110
Sheet overhead clearance (mm)	825 (adjustable +/- 15 mm)
Transport dimensions (mm)	2 000 x 1 100 x 1 300
Net weight (kg)	95
Gross weight (kg)	240



Light semi-electric cutting unit - CLD-AE

Electric uncoiling, manual cutting, length measurement: CLD-AE

(Machine with slitting also available, Ref. CLD-AE-REF, Please contact us)

Standard equipment

Uncoiling:

- Electric uncoiling
- Power supply 220 V, single-phase 0,18 KW
- Maximum speed 9 m/min
- Electronic length programmer, accuracy +/- 15 mm (1)
- Rubber drive rollers
- Adjustable infeeding guides from 250 to 1250 mm on slides and with locking levers (2)
- Sheet guides on ball bearings
- Idle roller at entry to guide the top of metal sheet (3)
- Nylon protector at input keeps underside of sheet metal mark-free

Cutting:

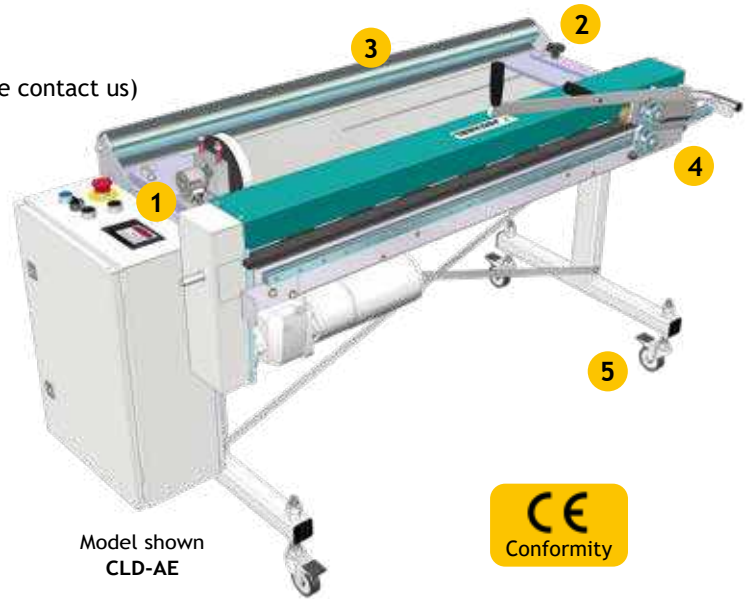
- Sheet clamping beam with rubber roller and anti-return coil lock
- Roller shear for manual cutting (4)
- Ball profile rail guide for cutting
- Ground and polished blades made of 58 HRC hardened steel

Handling:

- 4 Ball bearing casters with brakes, 70 mm Ø (5)

Options

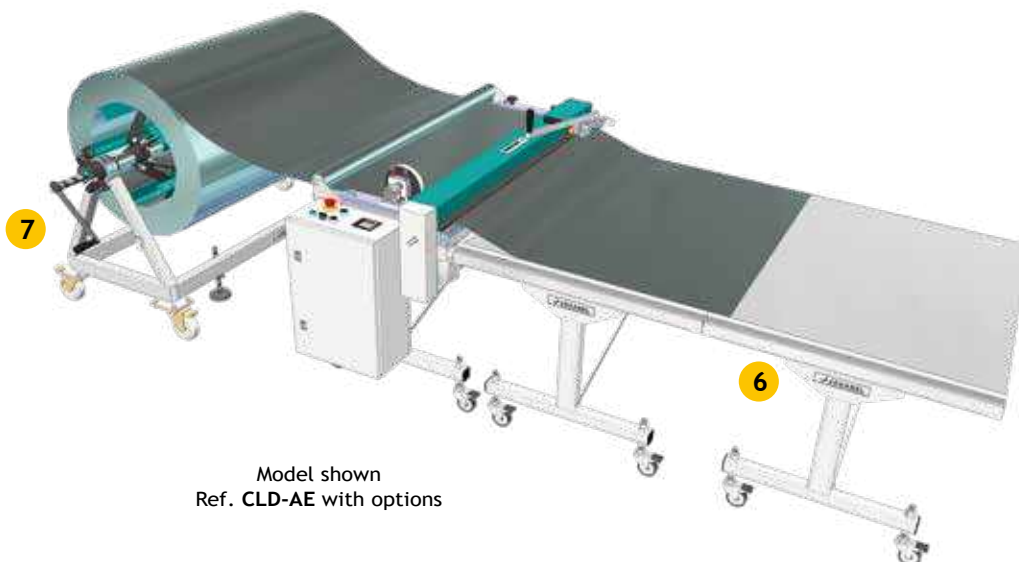
- Output table with adapter for connecting several tables (6)
Ref. CLD-TAB-1M
Length 1 000 x width 1 250 x height 740 mm
(adjustment +/- 15 mm) - Output table, maximum load: 250 kg
- Portable decoiler widths 500 to 1250 mm (maximum load 500 kg) Ref. DVM500
- Decoiler width 1 000 mm (maximum load 1 200 kg) Ref. DVS1000
- Decoiler width 1 250 mm (maximum load 1 000 kg) (7) Ref. DVS1250



Features	CLD-AE
Maximum cutting capacity	
Soft steel (mm)	0,7
Zinc, Copper, 1050-H44 aluminum (mm)	0,8
Stainless steel (mm)	0,5
Uncoiling	
Minimum coil width (mm)	250
Maximum coil width (mm)	1 250
Dimensions	
Operating dimensions (mm)	1 800 x 800 x 1 110
Sheet overhead clearance (mm)	825 (adjustable +/- 15 mm)
Transport dimensions (mm)	2 000 x 1 100 x 1 300
Net weight (kg)	140
Gross weight (kg)	210



Electronic length programmer



• Electric uncoiling, electric cutting, numerical control: CLD-AE-CTE

(Machine with slitting also available, Ref. CLD-AE-REF, Please contact us)

Standard equipment

Uncoiling:

- Electric uncoiling
- Power supply 220 V, single-phase 0,18 KW
- Automatic speed control for smooth starts and stops
- Maximum speed 12 m/min
- Rubber drive rollers
- Adjustable infeeding guides from 250 to 1250 mm on slides and with locking levers (1)
- Sheet guides on ball bearings
- Idle roller at entry to guide the top of metal sheet (2)
- Nylon protector at input keeps underside of sheet metal mark-free
- Measuring wheel with digital display, accuracy 1/10

Electric cutting:

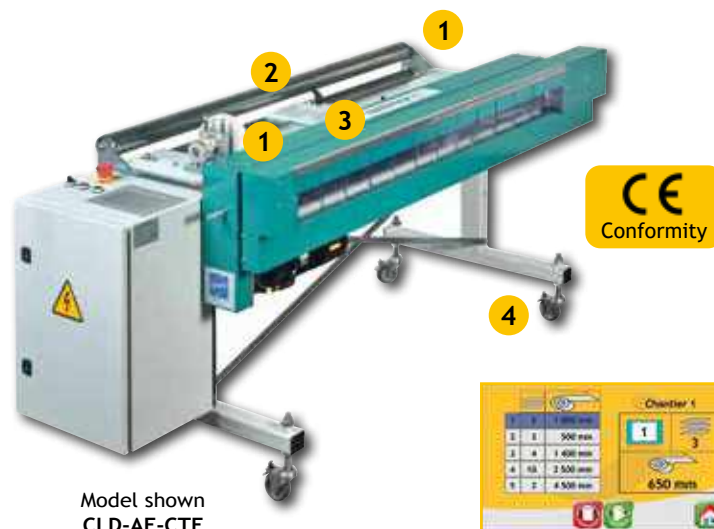
- Sheet clamping beam with rubber roller and anti-return coil lock
- Roller shear for electric cutting (3)
- Ball profile rail guide for cutting
- Ground and polished blades made of 58 HRC hardened steel

Handling:

- 4 Ball bearing casters with brakes, 70 mm Ø (4)

Numerical control:

- Programs can include several quantities and several lengths
- Automatic cycle, machine runs without an operator
- Manual cycle for work as needed on demand
- High accuracy for cutting lengths: +/- 2 mm over 2m
- Machine use password-protected
- Manual or automatic speed adjustment
- 7" Color touch screen (5)



Model shown
CLD-AE-CTE



Control console
with touch screen

Features	CLD-AE-CTE
Maximum cutting capacity	
Soft steel (mm)	0,7
Zinc, Copper, 1050-H44 aluminum (mm)	0,8
Stainless steel (mm)	0,5
Uncoiling	
Minimum coil width (mm)	250
Maximum coil width (mm)	1 250
Dimensions	
Operating dimensions (mm)	1 800 x 800 x 1 110
Sheet overhead clearance (mm)	825 (adjustable +/- 15 mm)
Transport dimensions (mm)	2 000 x 1 100 x 1 200
Net weight (kg)	190
Gross weight (kg)	260

• Options

- Output table with adapter for connecting several tables (6)
Ref. CLD-TAB-1M - Length 1 000 x width 1 250 x height 740 mm (adjustment +/- 15 mm) - Output table, maximum load: 250 kg
- Portable decoiler widths 500 to 1250 mm (maximum load 500 kg)
Ref. DVM500
- Decoiler width 1 000 mm (maximum load 1 200 kg) Ref. DVS1000
- Decoiler width 1 250 mm (maximum load 1 000 kg) (7) Ref. DVS1250



Model shown
Ref. CLD-AE-CTE with options



The expertise of a manufacturer!

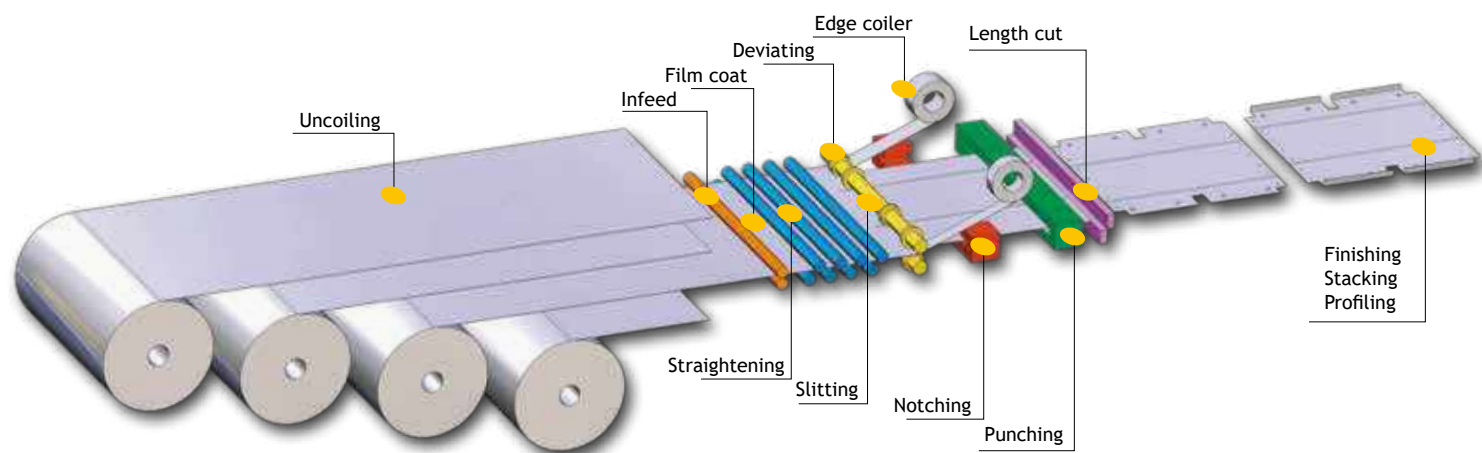
For several years, JOUANEL Industrie's R&D department has specialized in designing and producing specific machines adapted to thin sheet metal work. Recognized for its know-how in the design of complete lines, from material uncoiling to the transformation of the semi-finished or finished products, JOUANEL Industrie has the right solutions to complete your project.

A tailor-made machine that meets your needs

We design and build your machine for you and with you, according to your specifications. Our highly-experienced R&D department, as well as our expertise in mechanics, hydraulics, automation and numerical control, are our assets when we design machines with the latest innovations developed by Jouanel.

● Examples

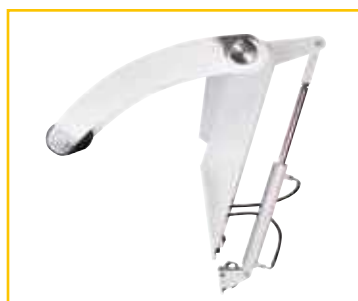




Open side decoiler



Laser control of the loop



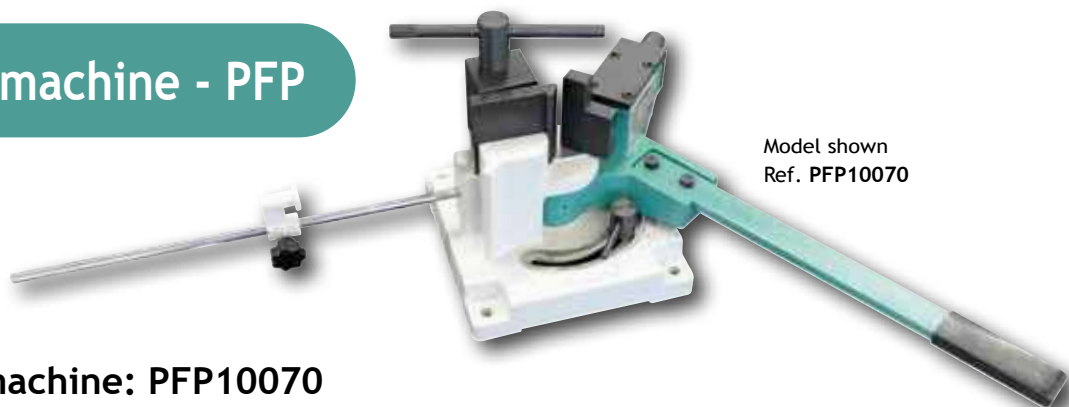
Coil pressure arm



Coil loading carriage

Miscellaneous equipment

Flat bar folding machine - PFP

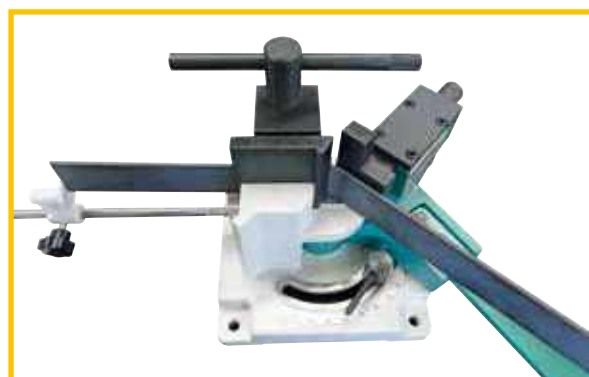


Model shown
Ref. PFP10070

• Flat bar folding machine: PFP10070

- Standard vice is equipped with an eccentric tightening system for quick and easy clamping

Maximum capacity S235JR steel (mm)	Maximum capacity copper (mm)	Dimensions (mm)	Weight (kg)
■ 100 x 7	■ 100 x 10	330 x 330 x 350	35



Manual corner notcher - ENC

• Manual 90° corner notcher: ENC-150-15

Sturdy and reliable, our manual corner notcher for workbenches with a fixed 90° angle allows a quick and easy right angle cut.

- Cutting angle 90°
- Adjustable gauge, with graduations
- Capacity S235JR steel: 1.5 mm
- Maximum notching: 150 mm x 150 mm
- Dimensions: 610 mm x 530 mm x 600 mm
- Weight: 95 kg
- For the hydraulic version, 90° fixed angle or variable 200x200x4 mm (Please contact us)



Model shown
Ref. ENC-150-15

Miscellaneous equipment

Shears for metal sheets - CLP






- Shears for metal sheets, flat iron, round iron, square iron, angle steel and T-shape (depending on the model)



Safety: return spring on the upper blade



Different cuts possible with Ref. CLP10C

Features	CLP1C	CLP2C	CLP4C	CLP6C	CLP7C	CLP10C
Length of lower blades (mm)	125	150	200	250	300	175
Cutting capacity* when reworking with the first ¼ of blade	3	3	4	4	4	6
Cutting capacity* over the whole length (mm)	2	2,5	3	3	2	5
 (mm)	60 x 3	60 x 3	80 x 4	80 x 4	100 x 4	70 x 6
 (mm)	8	8	10	10	10	15
 (mm)	-	-	-	-	-	15
 (mm)	-	-	-	-	-	50 x 5
 (mm)	-	-	-	-	-	30 x 30 x 4
Weight (kg)	10	11,5	18	23	28	95
Motion transfer	Connecting rod	Connecting rod	Connecting rod	Connecting rod	Connecting rod	by rack and pinion

* S235JR steel



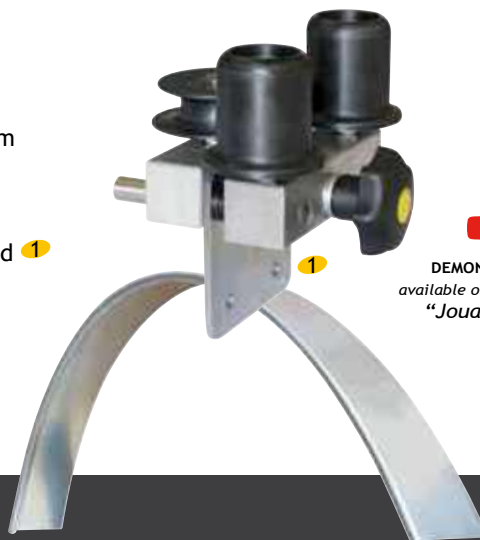
Model shown Ref. CLP10C lever included

Light manual roofing machines (portable)

Manual arch-folding machine for beads - CMB-ET

This light roofing accessory is designed to manually arch zinc, copper or aluminum strips which have a 13 to 18 mm Ø bead. Once the part has been bent according to the desired radius, it will perfectly fit dormers and bent roof borders for a quality finish. A convex or concave bend is made in several steps, by moving the part back and forth in the arch-folding device. The radius is obtained by the gradual increase in pressure exerted on the part by the two bending rollers, thanks to the adjusting wheel. The rollers, made of high density nylon, give an even bend without marking the material.

- Arch-folding diameter (min.): 1000 mm
- Bending capacity: zinc, copper and alu (min.-max): 0.5 - 0.8 mm
- Rollers in high density nylon
- 1 set of grooved rollers: Ø 19 mm
- 1 set of pinch rollers
- Mounting system for workbench included ¹
- Dimensions: 200 x 200 x 170 mm
- Weight (kg): 2,8



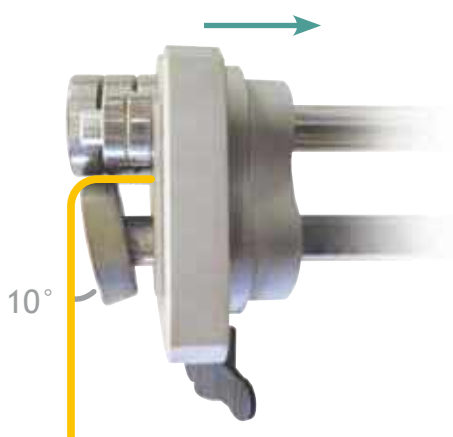
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Light manual roofing machines (portable)

Hand edge rollers and accessories

No friction, no marking!



The shape of the « folding » roller enables a fold up to 100° in order to balance the resilience of the material, for a true 90° seam without marking the material



The time-saving tool on the building site!

Handy and light, our hand edge rollers make neat and regular seams reverse bends, whatever the length. They are equipped with treated steel rollers and stainless steel rolls that guarantee a long lifetime of the tool as well as stable and accurate guiding. Available with single and double columns, equipped with 2 or 4 rolls, the Jouanel hand edge rollers have all the technical advantages of the other edge rollers on the market combined. Once the height of the seam is defined with the graduated scale, just slide the edge roller against the metal sheet, by moving it back and forth, and inclining it gradually until you achieve the desired angle.



Ref. PLIMSC2-200

• Single column hand edge roller with 2 guide rolls: PLIMSC2

Standard equipment

- For straight or arch curved metal sheets
- Single-piece body made of machined and anodized aluminum, very handy to use
- Columns, rolls and shafts in stainless steel
- Folding roller made of hardened steel, inclined at 10°
- Maximum folding angle: 100°
- 2 guiding rollers
- Graduations in mm, with indelible laser engraving
- Wing screw to lock edge height quickly
- Handle to keep a good grip on the tool, even at maximum edge height
- Black handle
- Fabric storage bag included



Features	PLIMSC2-050	PLIMSC2-100	PLIMSC2-200	PLIMSC2-350
Capacity zinc and aluminum (mm)	1	1	1	1
Capacity copper (mm)	0,8	0,8	0,8	0,8
Capacity steel (mm)	0,7	0,7	0,7	0,7
Capacity stainless steel (mm)	0,5	0,5	0,5	0,5
Edge height (mm)	5 to 50	5 to 100	5 to 200	5 to 350
Net weight (g)	1010	1165	1470	1925

Options

- Transport case with protective foams for hand edge rollers single column from 50 to 200mm

Light manual roofing machines (portable)

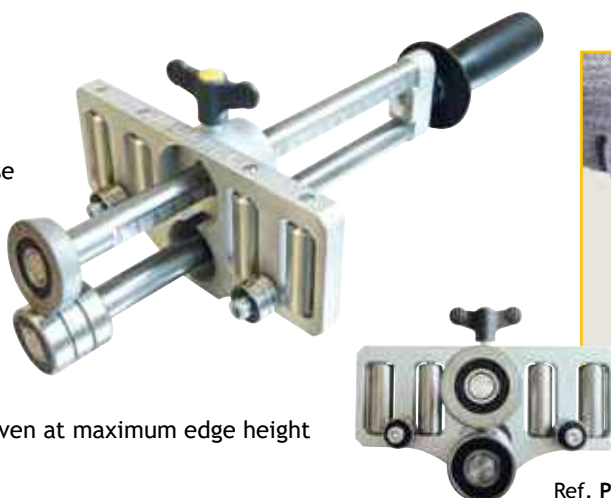
• Single column hand edge roller with 4 guiding rollers: PLIMSC4



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Channel "Jouanel Industrie"

Standard equipment

- For straight or arch curved metal sheets
- Single-piece body made of machined and anodized aluminum, very handy to use
- Columns, rolls and shafts in stainless steel
- Folding roller made of hardened steel, inclined at 10°
- Maximum folding angle: 100°
- 4 guiding rollers
- Graduations in mm, with indelible laser engraving
- Wing screw to lock edge height quickly
- Handle to keep a good grip on the tool, even at maximum edge height
- Black handle
- Fabric storage bag included



Ref. PLIMSC4-200

Features	PLIMSC4-050	PLIMSC4-100	PLIMSC4-200	PLIMSC4-350
Capacity zinc and aluminum (mm)	1	1	1	1
Capacity copper (mm)	0,8	0,8	0,8	0,8
Capacity steel (mm)	0,7	0,7	0,7	0,7
Capacity stainless steel (mm)	0,5	0,5	0,5	0,5
Edge height (mm)	5 to 50	5 to 100	5 to 200	5 to 350
Net weight (g)	1210	1360	1665	2120

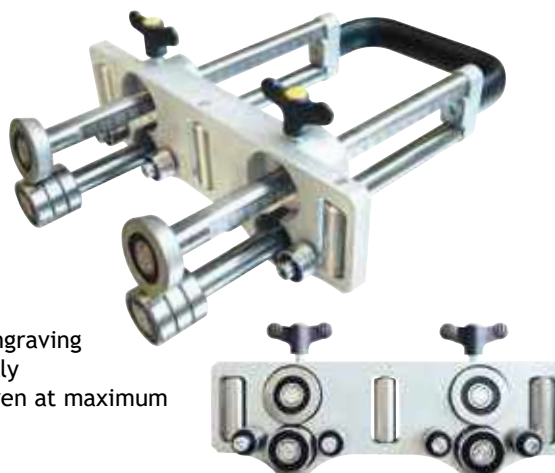
Options

- Transport case with protective foams for hand edge rollers single column from 50 to 200mm

• Double column hand edge roller with 3 guiding rollers: PLIMDC3

Standard equipment

- For folding large lengths
- Single-piece body made of machined and anodized aluminum, very handy to use
- Columns, rollers and shafts in stainless steel
- 2 folding rollers made of hardened steel, inclined at 10°
- Maximum folding angle: 100°
- 3 guiding rollers
- Graduations in mm, with indelible laser engraving
- Two wing screws to lock edge height quickly
- Handle to keep a good grip on the tool, even at maximum edge height
- Black PVC-coated handle
- Fabric storage bag included



Ref. PLIMDC3

Features	PLIMDC3-200	PLIMDC3-350
Capacity zinc and aluminum (mm)	1	1
Capacity copper (mm)	0,8	0,8
Capacity steel (mm)	0,7	0,7
Capacity stainless steel (mm)	0,5	0,5
Edge height (mm)	5 to 200	5 to 350
Net weight (g)	3075	3990

Option

- Holding accessory for double-column hand edge rollers
Ref. PLIMDC-FIX



Light manual roofing machines (portable)

• Single disk hand edge roller: PLIMSD1-040

This hand edge roller with 1 disk and 1 guiding roller enables you to make 180° hems on 8- to 40-mm edges. Easy to use, handy and compact, this disk roller will complete your set of equipment.

Standard equipment

- Single-piece body made of machined and anodized aluminum, very handy to use
- No adjusting needed
- Seams easily from 90 to 180°
- 1 stainless steel guiding roll/roller
- 1 folding disk made of treated steel, 100 mm diameter
- Removable black handle
- Fabric storage bag included

Features	PLIMSD1-040
Capacity zinc and aluminum (mm)	1
Capacity copper (mm)	0,8
Capacity steel (mm)	0,7
Capacity stainless steel (mm)	0,5
Edge height (mm)	8 to 40
Net weight (g)	630



Options

- Transport case with protective foams for single disk hand edge roller

• Tool to close hems at 180°



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Ideal for great lengths

Starting with a 135° seam, the OFP-180 tool enables you to seam at 180° in just one quick and comfortable run, thanks to its 4 sets of rollers. The last roller is adjustable for a perfect fit depending on the material and its thickness. To make this adjustment, the sheet must be held firmly in place on the workbench.

Standard equipment

- Folds evenly along the whole length, starting from a 135° fold.
- Closes hems at 180° in just one run
- A real time saver
- Capacity of folding 0,8 mm steel
- 4 sets of rollers
- Upper roller adjustable in position and in depth
- 2 adjusting wheels
- 2 grip handles

Features	OFP-180
Capacity steel (mm)	0,8
Net weight (g)	1800



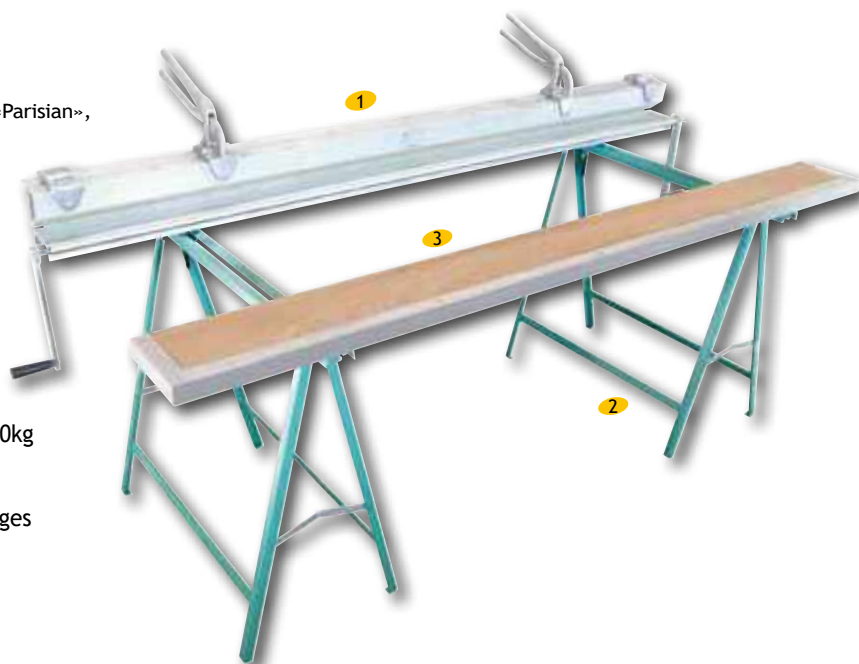
« Parisian » type folding machine - PAL

Easily transportable to the building sites

« Parisian » type PAL2040 1

A worksite folder that's easy to move! Commonly called the «Parisian», this manual folding machine is a traditional worksite folding machine for many roofers. It allows you to make the most common folds as well as produce 13 mm diameter beads . Because it is so easy to move, this lightweight folding model is particularly suitable for on-site work. Made of aluminum and with four very robust hinges, the PAL2040 is designed for intensive use, whatever the working conditions. Its accessories and simplicity of everyday use make it a versatile and durable folding machine.

- Robust and traditional design made of aluminum: 30kg
- Adaptable on trestles
- Rigid clamping beam equipped with 4 « piano » hinges in cast aluminum for high quality folding
- Equipped with a beader and a 13 mm Ø rod
- 2 cranks, on the left and right



	PAL2040
Useful folding length (mm)	2040
Capacity zinc (mm)	0,65
Folding depth over 2m (mm)	100
No depth limit over 1m (between handles)	-
Space between handles (mm)	1 070
Dimensions (mm)	2 200 x 420 x 500
Net weight (kg)	30
Beading accessory (mm)	13 Ø rod



Options

• Metal trestles Ref. TRET-METAL 2

Set of 2 metal trestles Ref. TRET-METAL designed to be attached to the PAL2040 folding machine and edging board (Ref. PB2040)

- Foldable legs
- Width: 900 mm
- Height: 750 mm
- Weight: 16 kg



• Edging board Ref. PB2040 3

Edging board, made of exotic rot-resistant wood

- Galvanized steel edges on 3 sides
- Length 2 040 mm x width 190 mm
- Weight: 15 kg



Light manual roofing machines (portable)

Downpipes flaring tool - EVA

Jouanel Industrie's downpipe flaring tool, the EVA model, enables you to easily enlarge electric welded (ERC) downpipes with diameters of 80 mm or 100 mm, in order to fit them together according to your needs.

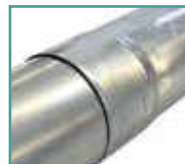
For use in workshops or on building sites, its crank-driven hub is very efficient and allows you to control flaring depth, evenness and quality.

Choice of sets:

- Set with base 1 and 80 mm Ø hub 2 Ref. EVA80
- Set with base and 100 mm Ø hub Ref. EVA100
- Set with base and 80 and 100 mm Ø hubs Ref. EVA80-100

Options

- Hub only: 80 mm Ø Ref. EVAS-D80
- Hub only: 100 mm Ø Ref. EVAS-D100



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Model shown Ref. EVA80
with base and 80 mm Ø hub

Features	EVA80	EVA100	EVA80-100
Maximum flaring depth (mm)	100	100	100
Capacity Zinc / Copper (mm)	0,8	0,8	0,8
Net weight of hub and crank (Kg)	4,2	5,4	4,2 + 5,4
Net weight of base (Kg)	13,6	13,6	13,6
Base dimensions (length x depth x height)(mm)	160 x 250 x 460	160 x 250 x 460	160 x 250 x 460
Gross weight of the set (Kg)	24,6	25,8	30,2

Note: not suitable for seamed pipes and truncated tin-welded pipes

Flaring units for downpipes - EVA-GAL

The two models of 80 and 100 mm diameter flaring units for downpipes make it possible to easily and evenly expand electric welded (ERW) downpipes. Adaptable without tools on all screwguns, they will, by a simple push, create flared ends or sleeves on pipes of the same diameter for clean connections without leaks.

Flaring rollers with needle bearings, in treated steel, mounted on an aluminum unit. Flaring units usable on copper, zinc, stainless steel and aluminum pipes, 80 and 100 mm Ø.

Note: Not suitable for seamed pipes and tin welded truncated pipes

Choice of sets:

- Flaring unit with rollers: 80 mm Ø Ref. EVA-GAL80
- Flaring unit with rollers : 100 mm Ø Ref. EVA-GAL100
- Set of flaring units with 80 and 100 mm Ø rollers including carrying case Ref. EVA-GAL80-100-VAL



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Flaring units with rollers: 80 and 100 mm Ø
(screwgun not included)



Ref. EVA-GAL80

Ref. EVA-GAL100

Features	EVA-GAL80	EVA-GAL100	EVA-GAL80-100-VAL
Flaring depth max. (mm)	100	100	100
Flaring rate	between 150 tr/min and 500 tr/min		
Max.capacity 400 N/mm2 steel and stainless steel (mm)	0,5	0,5	0,5
Max.capacity zinc / ¼ hard copper (mm)	0,8	0,8	0,8
Net weight of flaring tool with rollers (kg)	1,050	1,580	3,700 (with carrying case)
Carrying case provided	no	no	yes



Slate-cutter - CA600

The toughest slate cutter
in its class!

Practical, powerful, robust

The CA600 slate-cutter is an essential tool for shaping slates on construction sites.

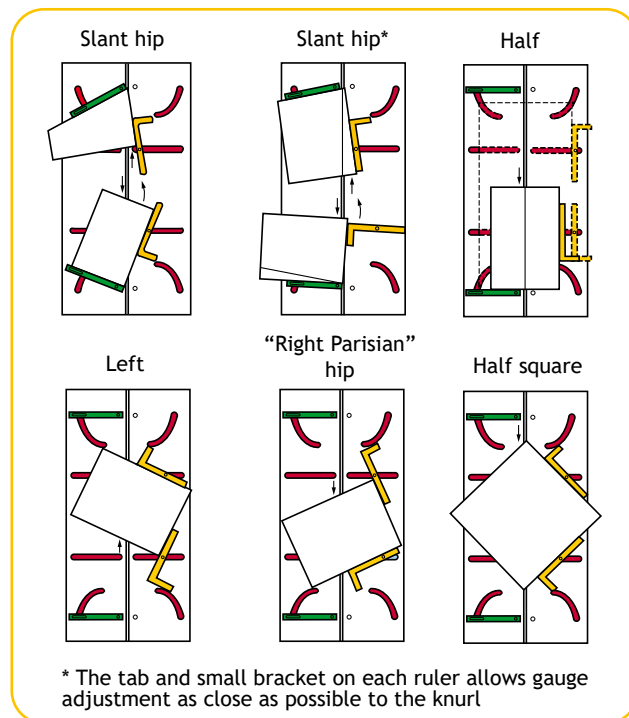
Its reinforced disk, mounted on steel guides and ball bearings, ensures excellent cutting consistency and effortless handling.

Its large-sized cutting plate and quickly adjustable squaring gauges will enable the most diverse cuts and high productivity.



Model shown
Ref. CA600

- Cuts slate and fiber cement
- Reinforced cutting disk for thick slates, up to 6 mm (removable and interchangeable disk)
- Cutting system guide on 8 bearings (1)
- Long table for slates up to 600 mm
- Squaring gauges with quick adjustment system (2) to facilitate:
 - Slate positioning
 - Maintaining slate in place while cutting
 - Cutting in batches
- 2 gauges engraved in 5 mm increments
- Table and guide in galvanized steel treated against corrosion
- Shock absorbing pads at both ends
- Base can be safely attached to roof laths with brad nails
- Cutting system can be locked into place for transport (3)
- Wide carrying handle - 2 positions (4)
- Made in France by Jouanel Industrie



Features	CA600
Overall dimensions (mm)	935 x 420 x 250
Plate length (mm)	885
Plate width (mm)	420
No. of bearings	8
No. of squaring gauges	5
Max. cutting thickness (mm)	6
Gross weight (kg)	19,2



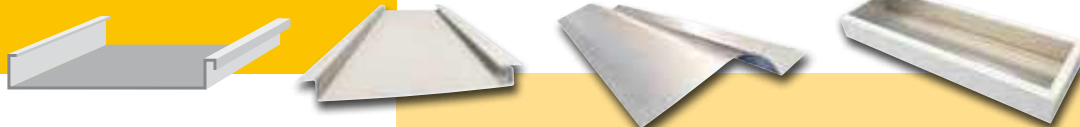
A know-how recognized by our customers

The company JOUANEL Industrie, located in Sainte Maure-de-Touraine in Indre-et-Loire, designs, manufactures and markets since 1948, machine-tools dedicated to craftsmen and industrialists processing metal sheets within the different applications areas of building metal envelope, insulation and air duct manufacturing.

Our know-how of more than 72 years in the field of folding, shearing and roll forming has assured the very good reputation of our firm to the roofers and zinc workers. Jouanel Industrie thus became a leading player in this business against its national competitors, all of them importers.

Application areas of our machines

- Roofing
- Cladding-Facade
- Metal carpentry
- Metal frameworks
- Ironworks-Sheet metal works
- Insulation
- Air duct manufacturing
- Maintenance workshops
- Trade school education



Our products

With more than 72 references manual, electric, hydraulic our machines, with or without CNC, Jouanel Industrie covers the key elements of the market needs in processing zinc, copper, steel, prelacquered or aluminum in coils or sheets. We thus offer all the equipment solutions which will ease the work of the operators by significantly improving the workshops' productivity.



Unlike our challengers, our strength lies in our ability to develop very quickly our machines to meet the customers' requirements. With four to five new models per year and many technical innovations brought onto the existing models along the year, inaction and immobility have no room at Jouanel's.

Besides our standard products, we have cultivated over the years the ability to design and provide «special» machines, thanks to the reactivity of our R&D department and the great flexibility of our production processes. With internal aptitudes in all fields linked to the design and the fabrication of modern and efficient machine-tools (design, machining, mechanics, automatism, hydraulics, CNC...), Jouanel Industrie assists its customers in their specific equipment projects.



Technical assistance SAT & SAV

At JOUANEL Industrie, we stay with you after the sale to:

- Schedule the commissioning of your machine
- Perform the contractual interventions
- Provide spare parts
- Provide technical documentation
- Operate a Hotline for mechanical repairing
- Do remote assistance on the CNC

Our departments can be reached from Monday to Friday from 8:00 am to 5:00 pm

- Technical Assistance Department: (+33) 2 47 65 16 49
- After-sales department: (+33) 2 47 65 47 65
- Technical hotline: (+33) 2 47 65 16 48





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Hand tools



JOUANEL also offers you a range of professional quality hand tools for cutting, bending, hammering, shaping or tracing. Our tools, carefully selected and tested, will meet all your quality and endurance requirements.

Range available at our specialized distributors and on our website



Hammers



Snips



Pliers



Standing seam tool



Various cutting works



Slate cuts



Aprons and bags



Measures and scribing



Mallets



Soldering

Comments

Comments

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Printed
11/2020

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