

SINCE **1973**

CATALOGUE **SHEARS**



ADDICTED TO **ACCURACY**



COSTRUITE INTERAMENTE IN ITALIA
VENDUTE IN TUTTO IL MONDO

ENTIRELY MADE IN ITALY
SOLD WORLDWIDE

OUR PRODUCTION

DESIGN

The design stage is the key to allow for efficient production and customization in line with the customer's expectations. This is why Vimercati has an in-house technical office entirely dedicated to the design of machinery.

The company's staff takes care of all aspects concerning design and calculation. It is also at customer disposal to develop tailor-made feasibility studies and required machine tooling studies, to meet all the production needs of each customer as best as it can.

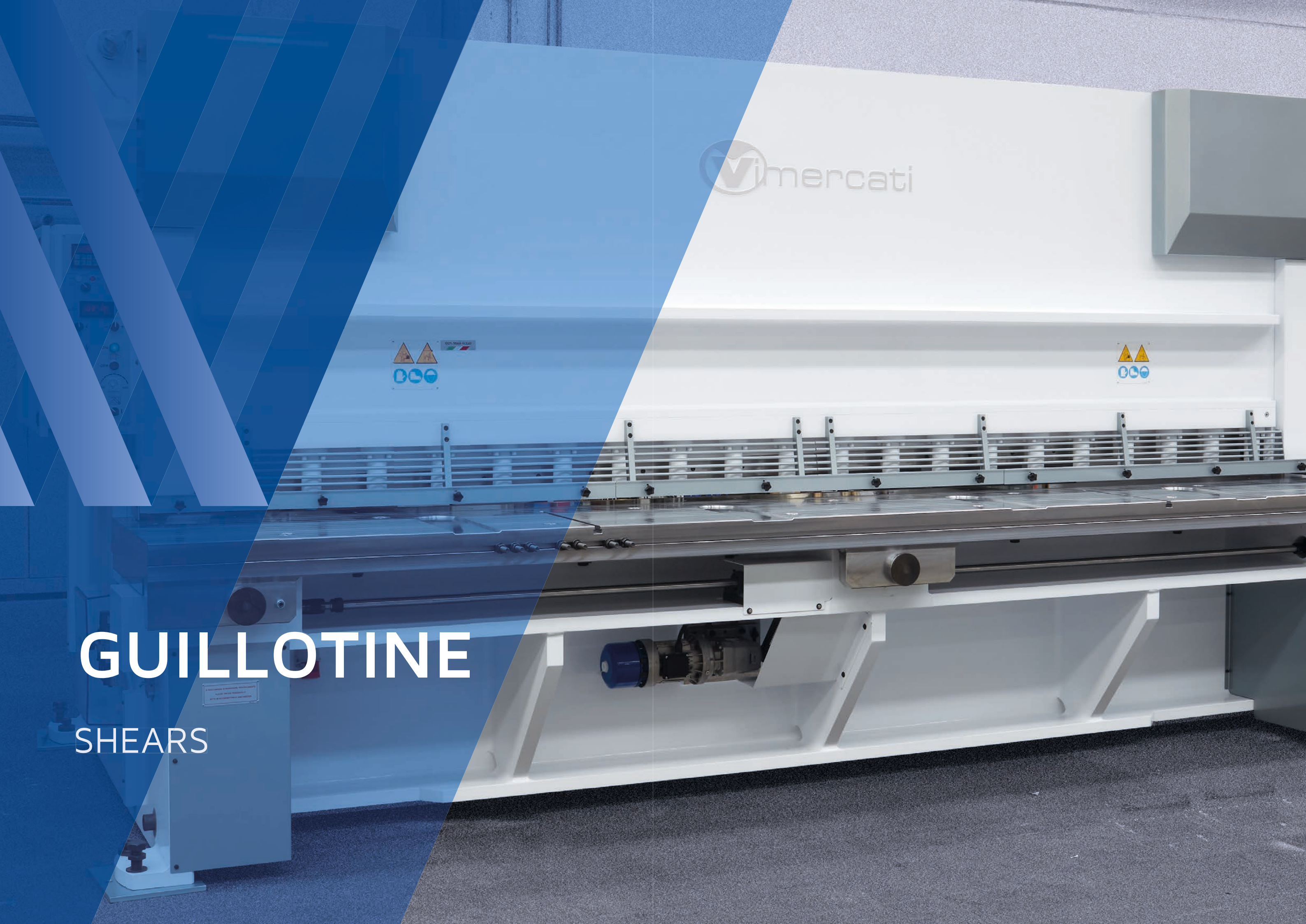
OUR PRODUCTIVE DEPARTMENTS

- > Structural work
 - Oxy cutting
 - Welding
 - Sandblasting
- > Machining
 - Boring
 - Turning
 - Milling
 - Grinding
 - Lapping
- > Painting booths
- > Electrical and electronic wiring
- > Assembly and finish
- > Quality check and testing
- > R&D



GUILLOTINE

SHEARS



SHEARS WITH GAP

RANGE

↔	from 2000 to 6000 mm in length
≡	cutting thicknesses from 4 to 30 mm

CUSTOMIZATIONS

- > Pneumatic sheet metal support
- > Hydraulic sheet metal support
- > Sheet metal evacuator
- > CNC
- > Software



Option of cutting sheets longer than the machine, up to the depth of the gap.

SHEARS WITHOUT GAP

RANGE

↔	from 2000 to 4000 mm in length
≡	cutting thicknesses from 6 to 15 mm

CUSTOMIZATIONS

- > Pneumatic sheet metal support
- > Hydraulic sheet metal support
- > Sheet metal evacuator
- > CNC
- > Software



Very compact frame with closed uprights deflections free.

STRENGTH, PRECISION, SPEED

Our range of guillotine shears stands out for the considerable strength of the structure and the certified materials.

All the electrical, electronic, hydraulic, measurement and movement components are purchased directly by Vimercati from leading companies at an international level.

With our wide series of available optional features, we can customize machines according to the specific production needs of every company.

TECHNICAL AND OPTIONAL FEATURES

STRUCTURAL FEATURES

FIGURE 1

Guillotine beam connected to hydraulic cylinders, designed with a spherical oil bath system, with ground wedges for perfect coupling.

FIGURES 2-3
SYSTEM TO ADJUST THE INTERSPACE BETWEEN THE BENCH AND THE GUILLOTINE

The bench, guided at the two ends by two rectified gibs, is moved by three screws in highly resistant material, two lateral and a central one, each one keyed into a reducer, operated by a geared motor.

As the cutting quality depends on the linearity and the correct distance between the upper and lower blade in relation to the thickness, the system is adjusted with extreme precision to ensure maximum performance.

FIGURE 4

Side square with engraved stainless steel millimetre ruler, retractable stop, eccentric squaring adjustment, hardened sheet metal support side. The length of the frontal supports and the side square can be supplied with different lengths upon request.

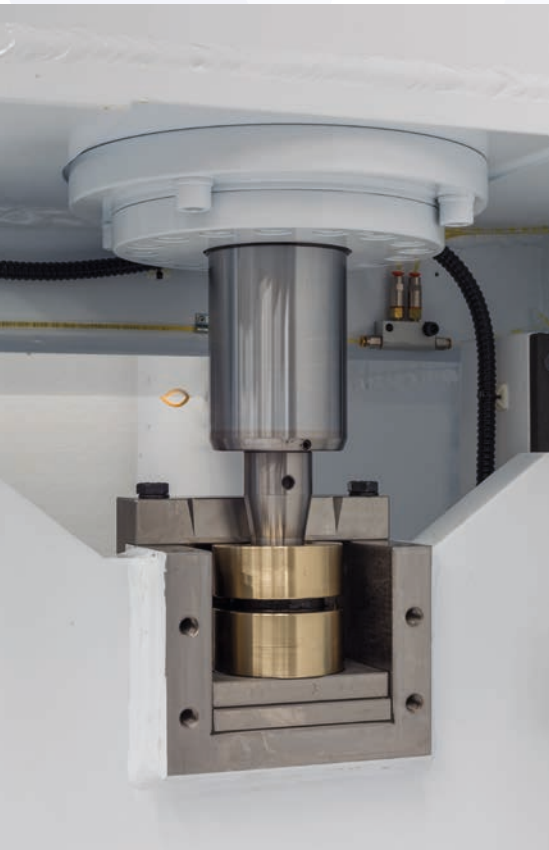


FIGURE 1

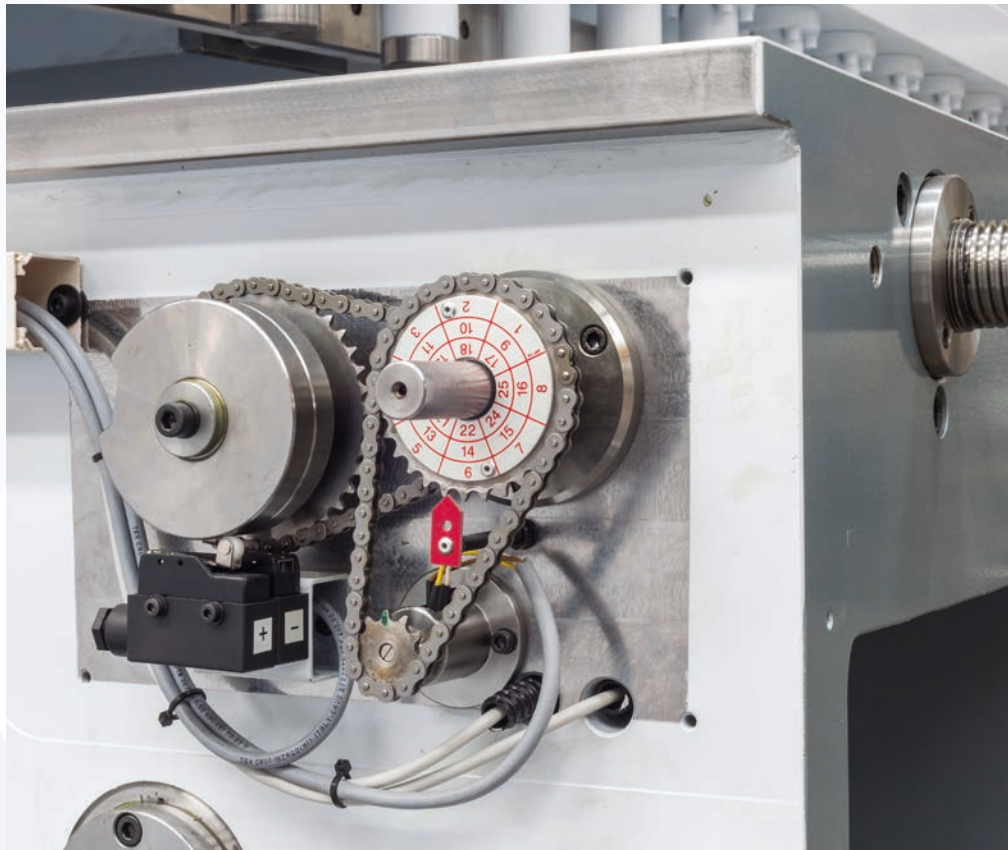


FIGURE 2

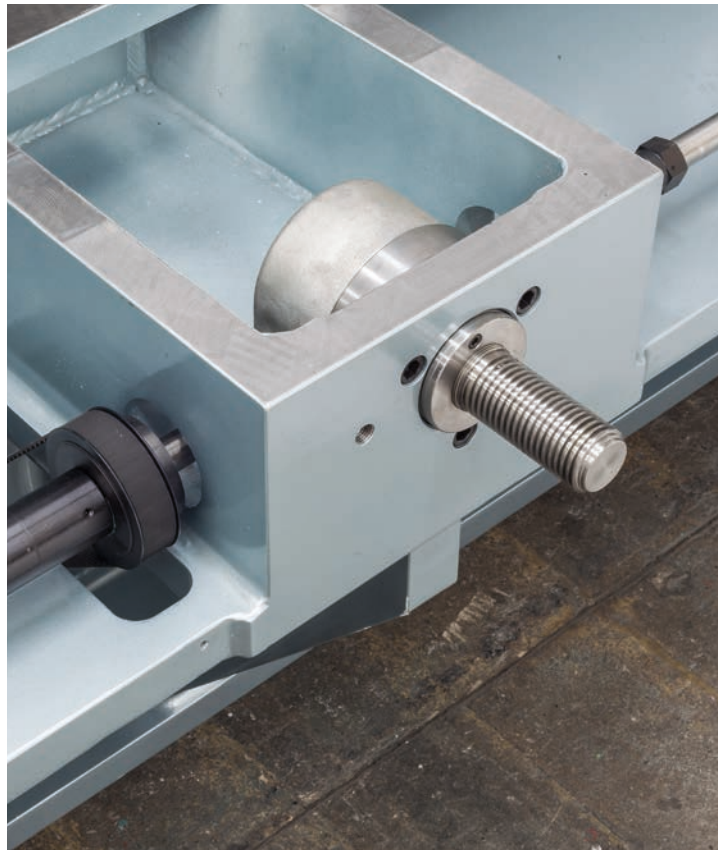


FIGURE 3



FIGURE 4

SAFETY DEVICES

FIGURE 5
Photocell barriers for front protection used for cutting big thicknesses.

FIGURE 6
The safety on the rear part is provided by light curtains with hand resolution. When anyone or any object passes through these curtains, the shears instantly stop.
To reset the machine it is essential to leave the operating area of the shear.

FIGURE 7
Shaped hand protection with vertical adjustment compliant with EC safety regulations, and sliding balls on the bench to ease the handling of very large and thick metal sheets.

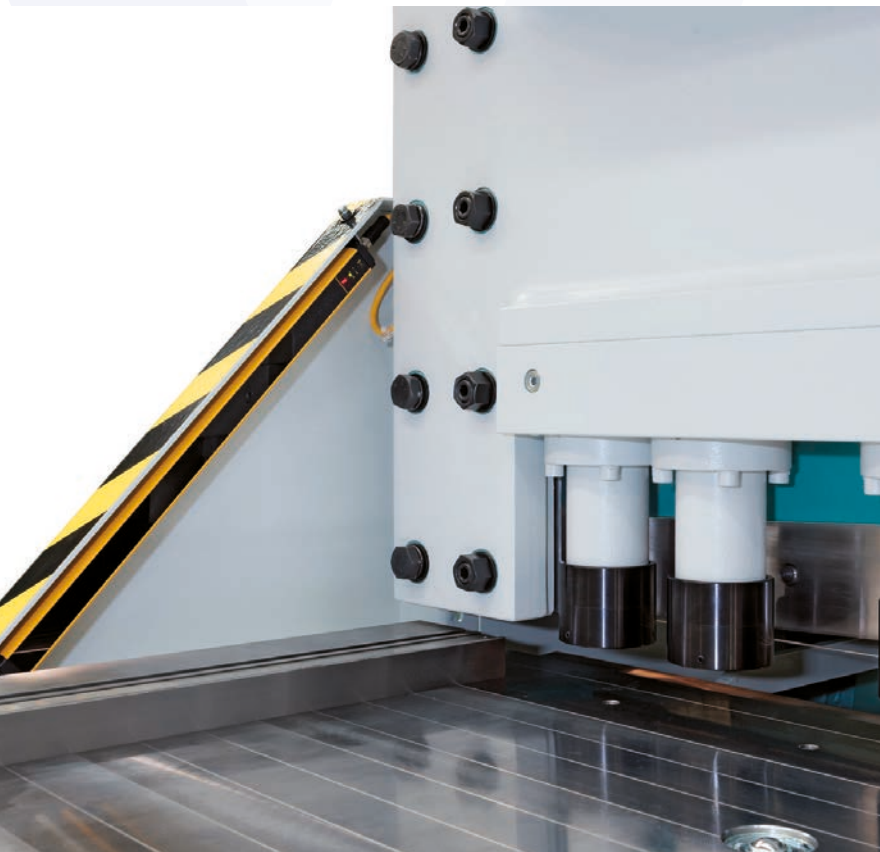


FIGURE 5



FIGURE 6



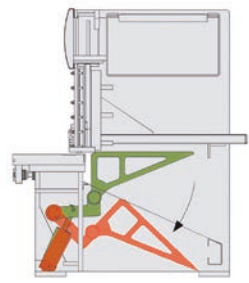
FIGURE 7

SHEET METAL SUPPORT

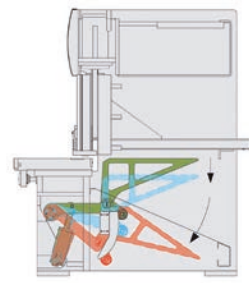
DRAWINGS 8-9-10
MODELS OF SHEET METAL SUPPORT:

- > **DRAWING 8**
Pneumatically-operated retractable support for metal sheets up to 6 mm thickness
- > **DRAWING 9**
Hydraulically-controlled sheet metal support synchronized with the cutting speed
- > **DRAWING 10**
Double sheet metal support with retractable armrests and supporting table with pneumatically-controlled synchronized movement

DRAWING 8



DRAWING 9



DRAWING 10

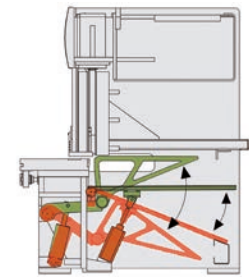


FIGURE 11

Evacuator with sheet support synchronised with cutting, inserted in the table

FIGURE 12

Hydraulic retractable back gauge for cutting metal sheets larger than the maximum stroke of the back gauge.



FIGURE 11

FIGURE 12

OPTIONAL FEATURES

PHOTOS 13-14

Anti-twist system for linear and flat cutting of thin pieces to obtain a rectangle with a depth of 1.5 times the thickness of the plate.



PHOTO 13

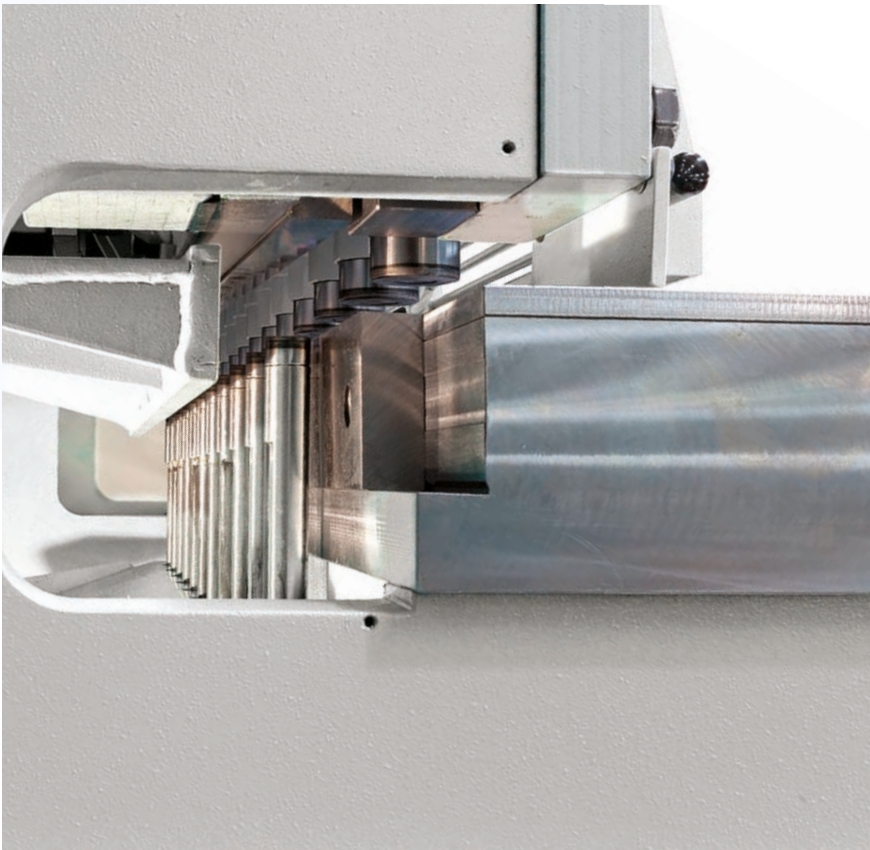


PHOTO 14

PHOTO 15

Frontal gauge CNC managed at 4-axis (X1-X2-Z1-Z2) with hydraulic locking clips and central supports with automatic drive. Allows the automatic creation of straps of various dimension as indicated in the program.



PHOTO 15

NUMERICAL CONTROLS

PRG 910A (standard)

Possibility of single positioning and activation of the retractable function.

PRG 911 (optional)

Option of running several programs (up to 99) that can be saved and activation of the retractable function.

FEATURES

- > One-axis programmable front positioner
- > 6-spaces high brightness LED display + negative sign.
- > Waterproof and scratch-proof polycarbonate tactile sticky keyboard.



PRG 910A (STANDARD) - PRG 911 (OPTIONAL)

CNC S 630 and CNC CYBTOUCH 8

FEATURES

- > Intuitive numerical controls with user-friendly interface.
- > Touchscreen.
- > Simple and guided programming.
- > Up to 200 programs and 24 bending sequences per program.



CNC S 630



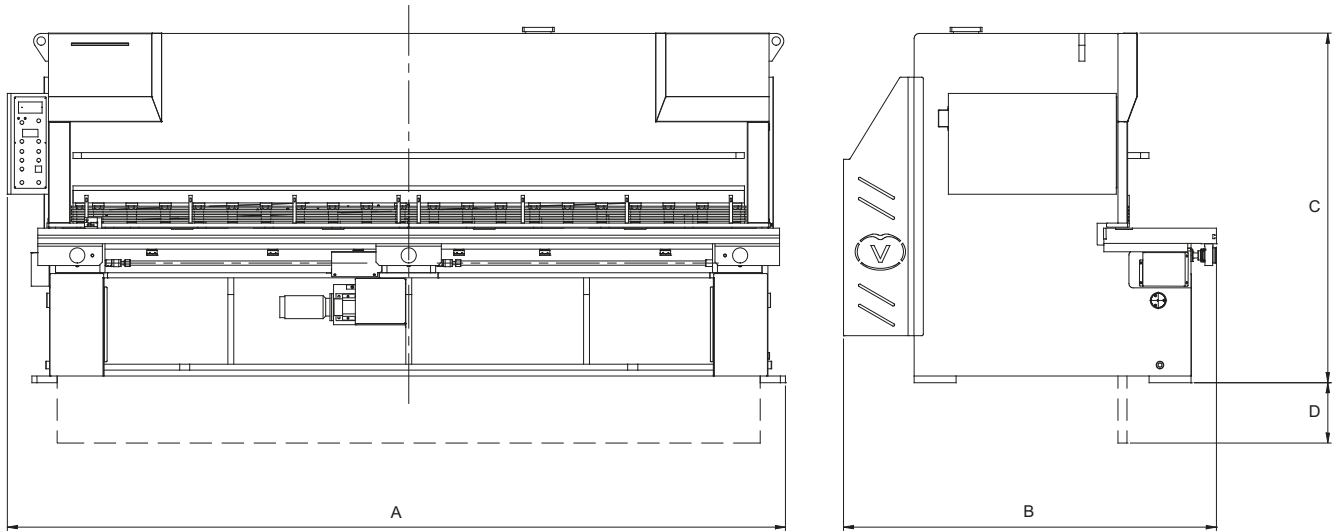
CNC CYBTOUCH 8

TABLES AND TECHNICAL DATA

> SHEARS WITHOUT GAP

The data contained are indicative and may vary without notice in relation to our continuous technological evolution

Model	MAX thickness	Cutting Length	Clearance between the uprights	Gap	Height of the working table	Cutting Angle		X Axis Stroke (Back gauge)	Speed		
						Min	Max		Down	Up	X Axis
						/	/				
	mm	mm	mm	mm	mm			mm	mm/s	mm/s	mm/s
CSI-3050-6	6	3050	3200	40	900	30'	2° 30'	1000	90	130	70
CSI-3050-10	10	3050	3200	40	900	30'	2° 30'	1000	90	130	70
CSI-3050-15	15	3050	3200	40	900	30'	2° 30'	1000	75	110	70
CSI-4050-4	4	4050	4200	40	900	30'	2°	1000	90	130	70
CSI-4050-6	6	4050	4200	40	900	30'	2°	1000	90	130	70
CSI-4050-10	10	4050	4200	40	900	30'	2°	1000	75	110	70



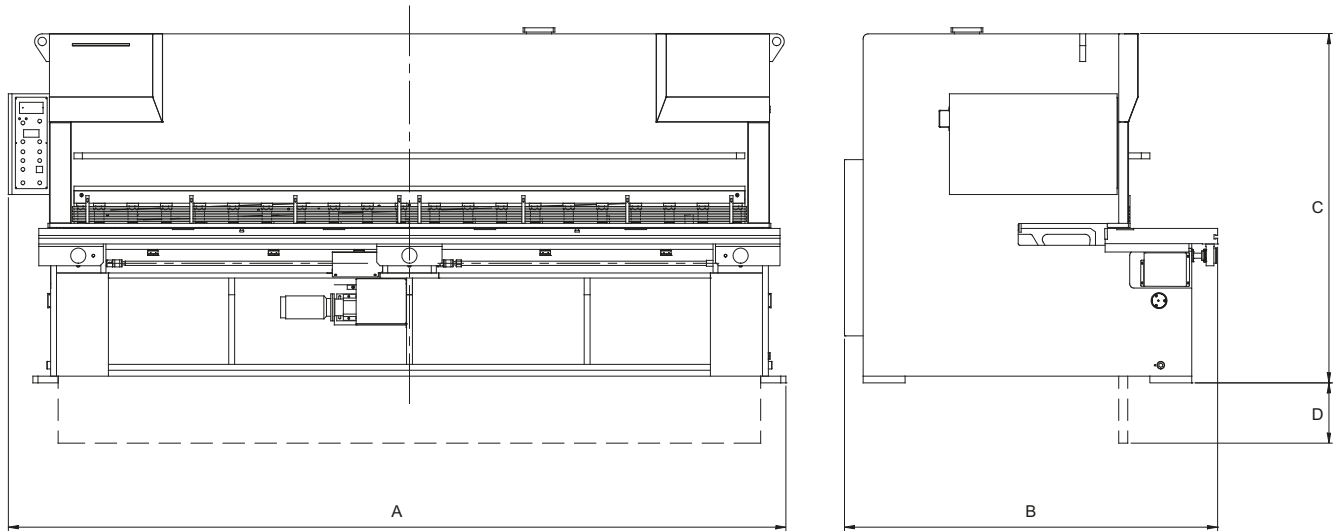
Powers			Operating Pressure	Approx. Weight	Length . A	Wid. B	Height C	Height D
Main Motor	X Axis Motor	Blade Interspace Motor						
kW	kW	kW						
7,5	0,37	0,37	220	7100	3650	2250	2100	-
18,5	0,37	0,37	220	9800	3700	2250	2100	-
22	0,37	0,37	220	15500	3700	2250	2250	-
7,5	0,37	0,37	220	9600	4650	2250	1960	-
15	0,37	0,37	220	12500	4700	2250	2100	-
22	0,37	0,37	220	19000	4800	2250	2250	-

TABLES AND TECHNICAL DATA

> SHEARS WITH GAP

The data contained are indicative and may vary without notice in relation to our continuous technological evolution

Model	MAX thickness	Cutting Length	Clearance between the uprights	Gap	Work surface height	Cutting Angle		X Axis Stroke (Back gauge)	Speed		
						Min	Max		Down	Up	X Axis
						/	/				
CH-2050-6	6	2050	2200	500	900	30'	2°	1000	90	130	70
CH-2050-8	8	2050	2200	500	900	30'	2° 30'	1000	90	130	70
CH-2050-10	10	2050	2200	500	900	30'	2° 30'	1000	90	130	70
CH-2050-12	12	2050	2200	500	900	30'	2° 30'	1000	75	110	70
CH-2050-15	15	2050	2200	500	900	30'	2° 30'	1000	70	105	70
CH-2050-20	20	2050	2200	500	900	30'	2° 30'	1000	65	90	70
CH-2050-23	23	2050	2200	500	900	30'	2° 30'	1000	65	90	70
CH-2550-5	5	2550	2700	500	900	30'	2°	1000	90	130	70
CH-2550-8	8	2550	2700	500	900	30'	2° 30'	1000	90	130	70
CH-2550-10	10	2550	2700	500	900	30'	2° 30'	1000	90	130	70
CH-3050-6	6	3050	3200	500	900	30'	2° 30'	1000	90	130	70
CH-3050-8	8	3050	3200	500	900	30'	2° 30'	1000	80	130	70
CH-3050-10	10	3050	3200	500	900	30'	2° 30'	1000	75	110	70
CH-3050-12	12	3050	3200	500	900	30'	2° 30'	1000	70	105	70
CH-3050-14	14	3050	3200	500	900	30'	2° 30'	1000	70	105	70
CH-3050-16	16	3050	3200	500	900	30'	2° 30'	1000	65	105	70
CH-3050-20	20	3050	3200	500	900	30'	2° 30'	1000	65	100	70
CH-4050-4	4	4050	4200	500	900	30'	2°	1000	90	130	70
CH-4050-6	6	4050	4200	500	900	30'	2°	1000	75	110	70
CH-4050-8	8	4050	4200	500	900	30'	2°	1000	75	110	70
CH-4050-10	10	4050	4200	500	900	30'	2°	1000	70	105	70
CH-4050-12	12	4050	4200	500	900	30'	2°	1000	70	105	70
CH-4050-14	14	4050	4200	500	900	30'	2°	1000	65	100	70
CH-6050-4	4	6050	6200	500	900	30'	1° 30'	1000	80	110	70
CH-6050-6	6	6050	6200	500	900	30'	1° 30'	1000	75	110	70
CH-6050-8	8	6050	6200	500	900	30'	1° 30'	1000	65	90	70
CH-6050-10	10	6050	6200	500	900	30'	1° 30'	1000	65	90	70



Powers			Operating Pressure	Approx. Weight	Length. A	Wid. B	Height C	Height D
Main Motor	X Axis Motor	Blade Interspace Motor						
kW	kW	kW	Bar	Kg	mm	mm	mm	mm
7,5	0,37	0,37	220	5800	2650	1900	2100	-
11	0,37	0,37	220	7700	2700	2000	2100	-
15	0,37	0,37	220	9000	2700	2200	2100	-
18,5	0,37	0,37	220	10800	2700	2200	2200	-
18,5	0,37	0,37	220	14500	2750	2300	2300	-
22	0,37	0,37	220	18000	2750	2400	2450	-
30	0,37	0,37	220	20500	2750	2600	2550	-
7,5	0,37	0,37	220	6700	3150	1900	1900	-
11	0,37	0,37	220	8600	3200	2000	2100	-
15	0,37	0,37	220	9800	3200	2200	2100	-
7,5	0,37	0,37	220	8800	3700	2000	2150	-
15	0,37	0,37	220	10000	3700	2200	2150	-
18,5	0,37	0,37	220	12000	3700	2200	2250	-
18,5	0,37	0,37	220	14000	3750	2300	2350	-
18,5	0,37	0,37	220	16200	3750	2300	2450	-
22	0,37	0,37	220	18000	3800	2400	2500	-
30	0,37	0,37	220	22300	3800	2600	2650	-
7,5	0,37	0,37	220	12200	4650	2050	2150	-
15	0,37	0,37	220	14300	4700	2200	2200	-
15	0,37	0,37	220	17000	4700	2300	2300	-
22	0,37	0,37	220	20500	4800	2400	2400	-
22	0,37	0,37	220	23000	4800	2450	2500	-
22	0,37	0,37	220	26000	4850	2600	2650	300
15	0,37	0,37	220	23000	6700	2300	2400	-
18,5	0,37	0,37	220	27000	6700	2450	2500	-
18,5	0,37	0,37	220	33000	6800	2600	2650	300
22	0,37	0,37	220	38500	6800	2800	2800	400



AFTER-SALES SERVICES

ASSISTANCE



Spare parts always in stock



Free support over the phone and online



After-sales assistance at the customer's premises

TRAINING



Free basic course at the customer's premises on how to use the machine



Refresher and training courses at Vimercati's head office



Note

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Note

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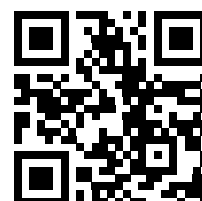




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