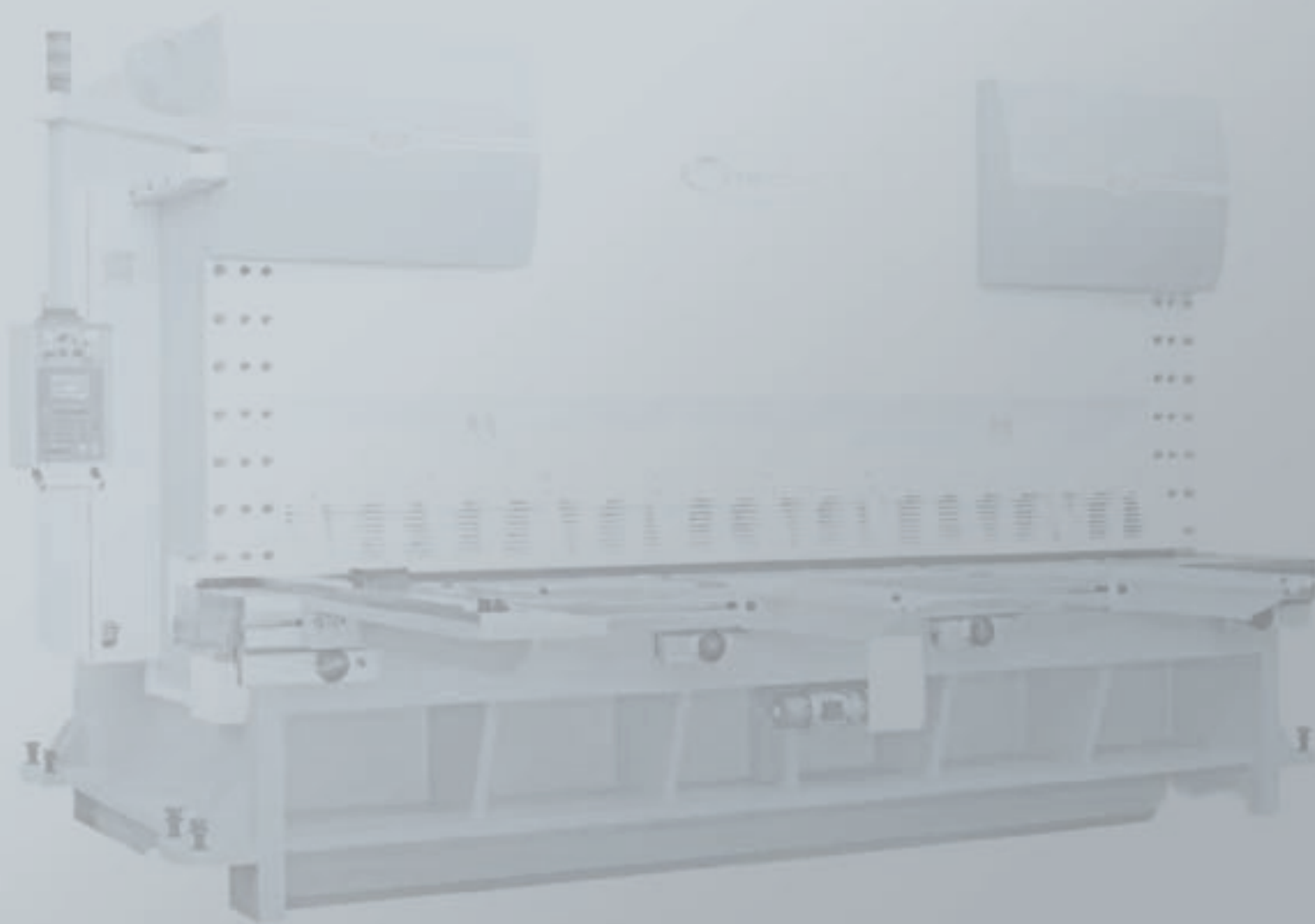


SHEET METAL WORKING MACHINES



100% Made in Italy

VIMERCATI

Fundamentals for quality.

Vimercati was founded in 1973 as a family enterprise and is led still today on a solid financial basis by family members with a high degree of professional skill combined with the obsession for longlasting quality.

All press brakes and guillotine shears are 100% "Italian made" using the best components available on the world market and applying the most advanced manufacturing technologies. "You get what you pay for" - Vimercati does not allow any compromise to reduce prices by sacrificing quality. Only the best is good enough.

The fundamentals for such a longlasting quality can be found only by scrutinizing the complete manufacturing process. Compare Vimercati with the competition and you will be astonished that there are only few manufacturers in the world with the same constancy in supplying long lasting quality for your benefit.



CH 6050x12

VIMERCATI

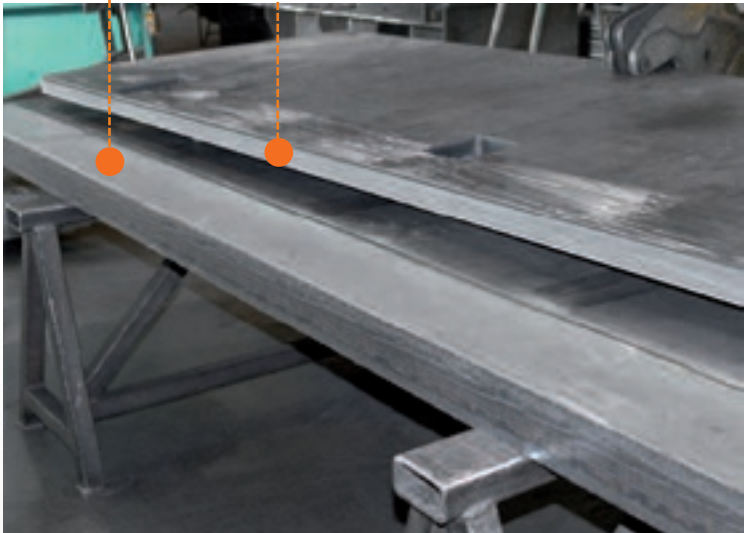
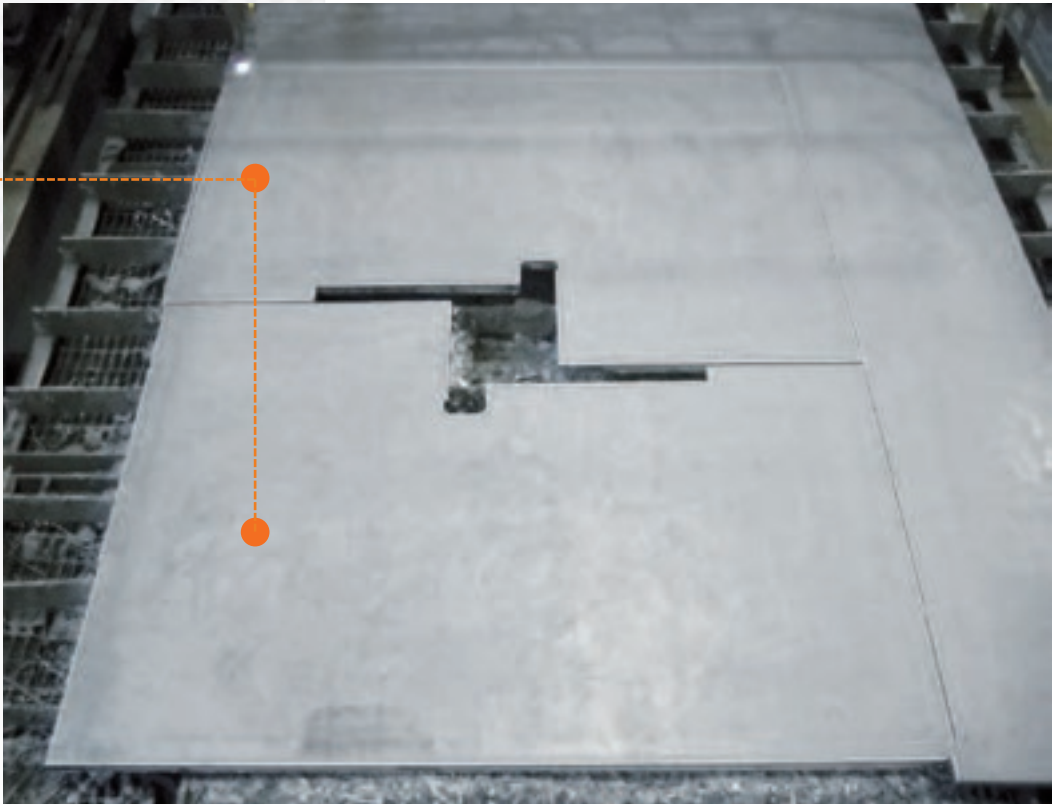
Fundamentals for quality.

The uprights of the frame are made from the same heavy plate and also cut in the same rolling direction.

The homogeneity of the structure and the mechanical and dynamic characteristics guarantee the high rigidity of the frame and its longlasting precision.

All surfaces of the frame parts are machined before welding.

Perfect contact surfaces welded together lead to a rigid and homogeneous frame.



BORING and MILLING

Due to the unique welding operations for the frames, only small amounts of material have to be removed from the frame on the boring and milling machines, reducing this way the heating of the frame and the vibrations during machining.

Extreme long machine life because of minimal structural stress during the cutting at maximum thickness.





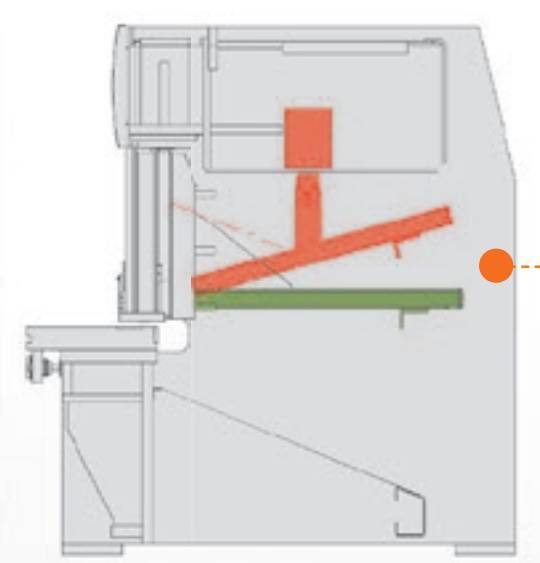
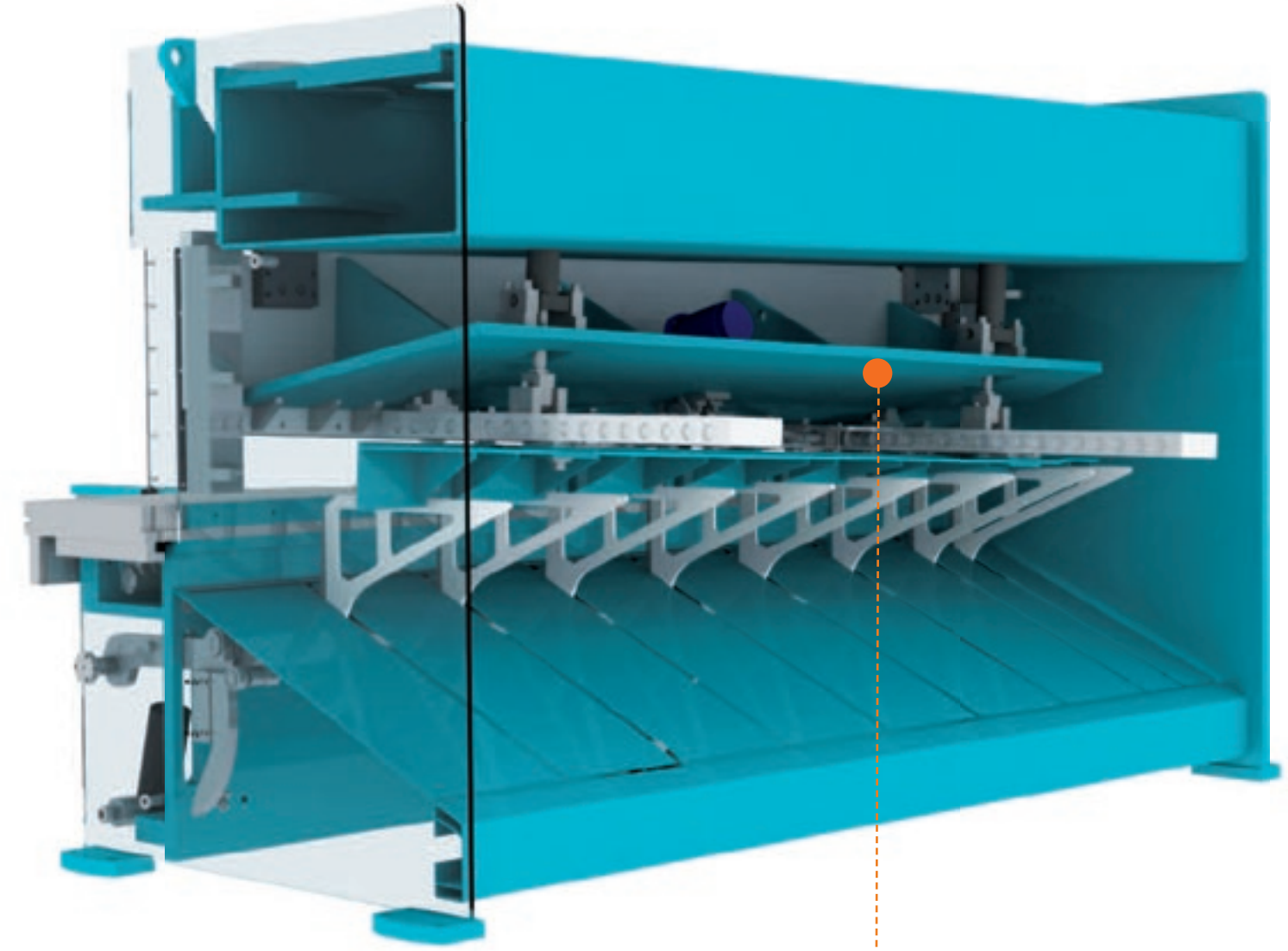
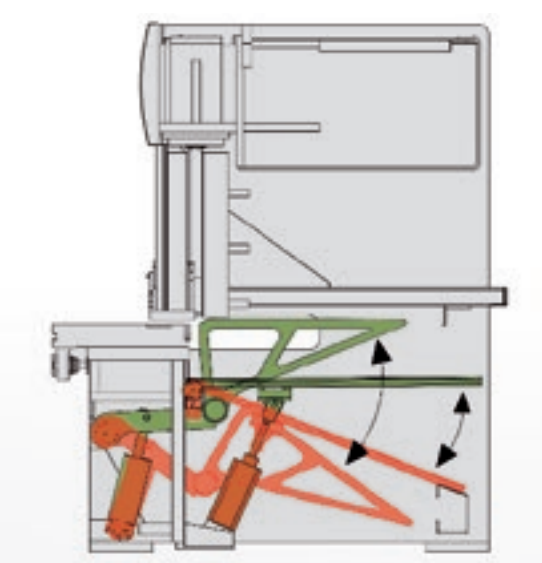
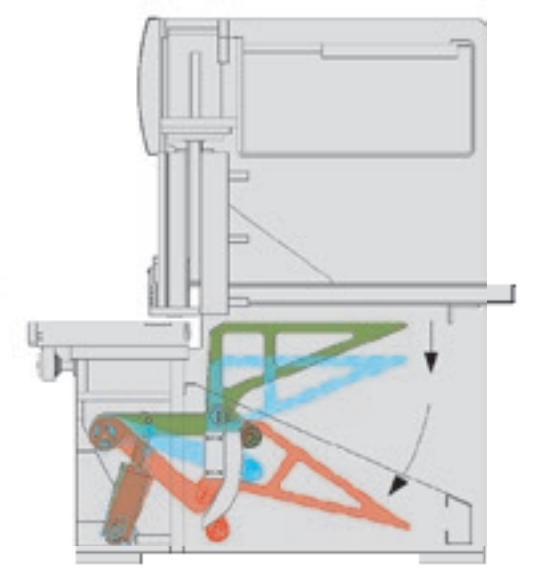
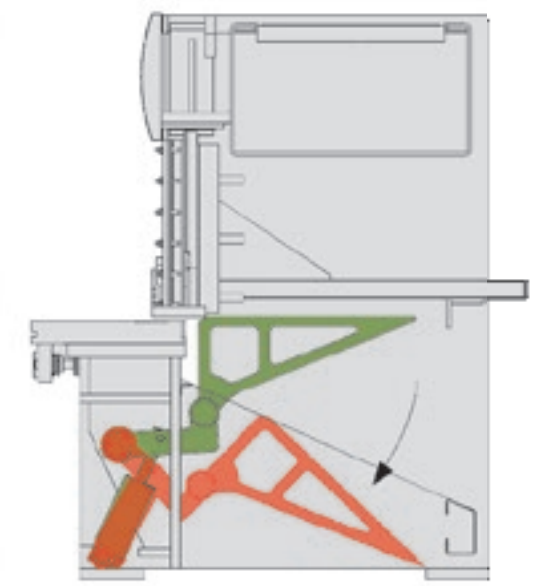
Pneumatic sheet support up to 6 mm.



Hydraulic double rear support for heavy material.



Pneumatic double rear support with arms and table up to 6 mm, with anti-scratch system for delicate sheets.



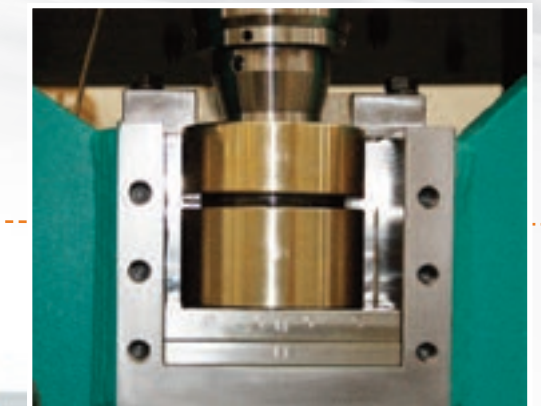
Hydraulic hinged back gauge.

VIMERCATI

Fundamentals for quality.



Control panel movable over the machine length.



Connection of the shearing beam and the cylinders with adjustment in oil bath.



Motorized adjustment of blade clearance.



Fingers protection by photocell.

“Manufacturing standard” is ours, “Application standard” is yours!

Vimercati applies **extensively a standardized modular** concept to manufacture a wide range of press brakes and guillotine shears. Different cutting lengths and thicknesses, different frontal and rear devices (squaring arms, frontal supports, rolling feeders, rear supports, stacking systems, conveyors).

The **best high – tech components** are used for the production in series of standard modules which can be mounted easily in a “standard machine” (published in each catalogue or web site).

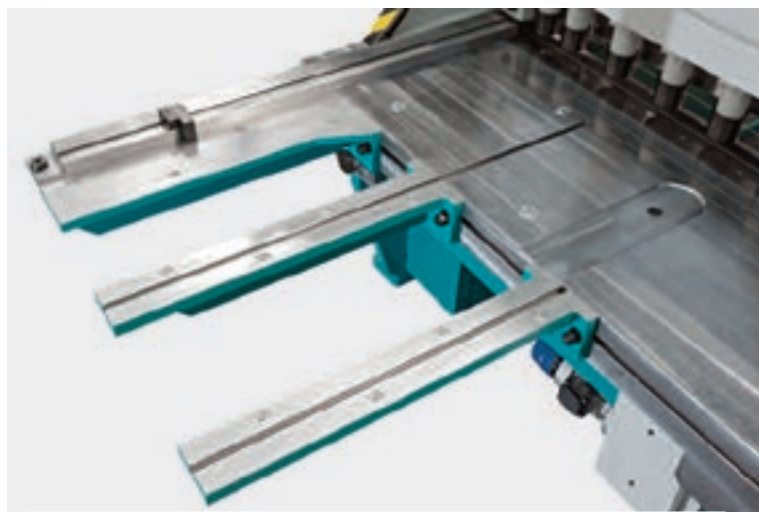
But the best standard features do not always meet or solve the customer’s production requirements.

Vimercati is able to make “**a standard**” for the **applications**, the customer needs by using the same standard modules for a “**customized machine**”.

Let’s summarize the advantages of Vimercati’s modular concept:

- the customer takes the existing standard machine as it is, or
- the customer imposes his standard machine for his requirements
- due to the same modules made in series, standard machines and customized machines are offered not only at attractive prices but also with short delivery times and availability for spare parts.

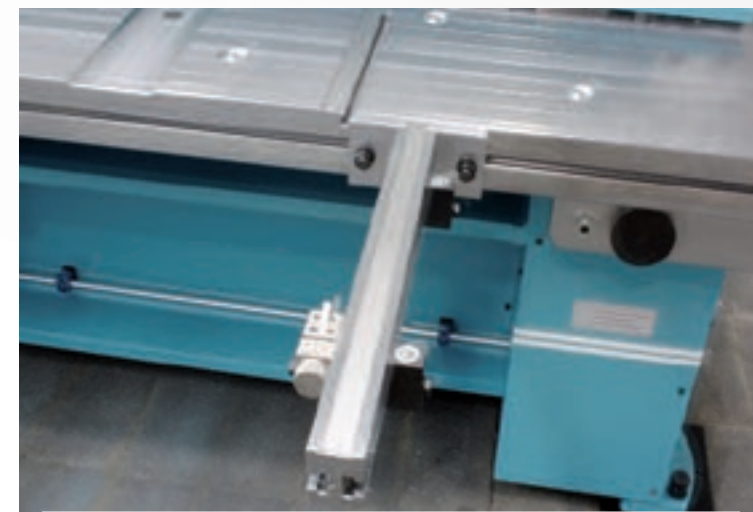
CONCLUSION: you get “**A HIGH TECH MACHINE**” with either our standard features or your standard features you need **WITH “HIGH TOUCH”** because Vimercati have an open and emotional ear to listen to you.



Front gauging system with 1 squaring arm and 2 front supports, with disappearing stops and sliding balls.



Front supports with disappearing stops.



Front support with disappearing stop with micrometric adjustment and sliding balls.



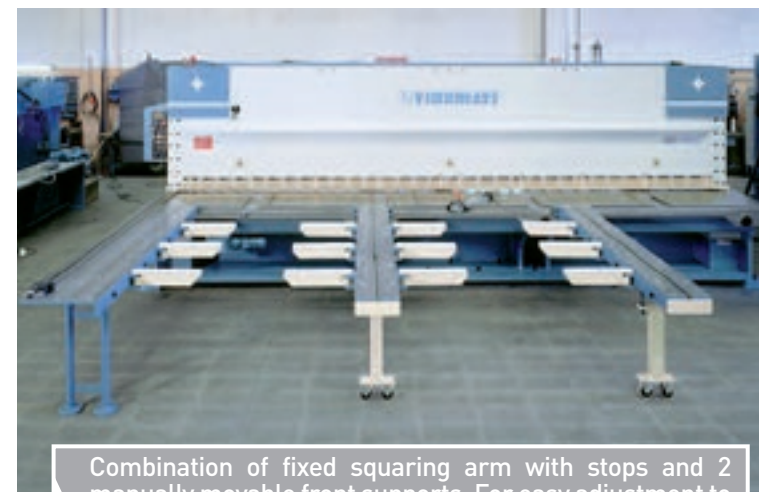
Hydraulic hinged back gauge for cutting large parts extending beyond the travel range of a standard back gauge.



Manual hinged back gauge for cutting large parts extending beyond the travel range of a standard back gauge.



Squaring arm with stop and cutting angle device.



Combination of fixed squaring arm with stops and 2 manually movable front supports. For easy adjustment to the various lengths and to avoid hanging down of the sheets, the squaring arm and the front supports are equipped also with retractable lateral support arms. The operator can move the 2 front supports to the optimal working position.



Idle front table and with rolls for easy manual feeding of heavy materials. Front support with retractable stops and sliding balls.



Guillotine shear with heavy duty rear support combined with hydraulic hinged back gauge and motorized evacuation system



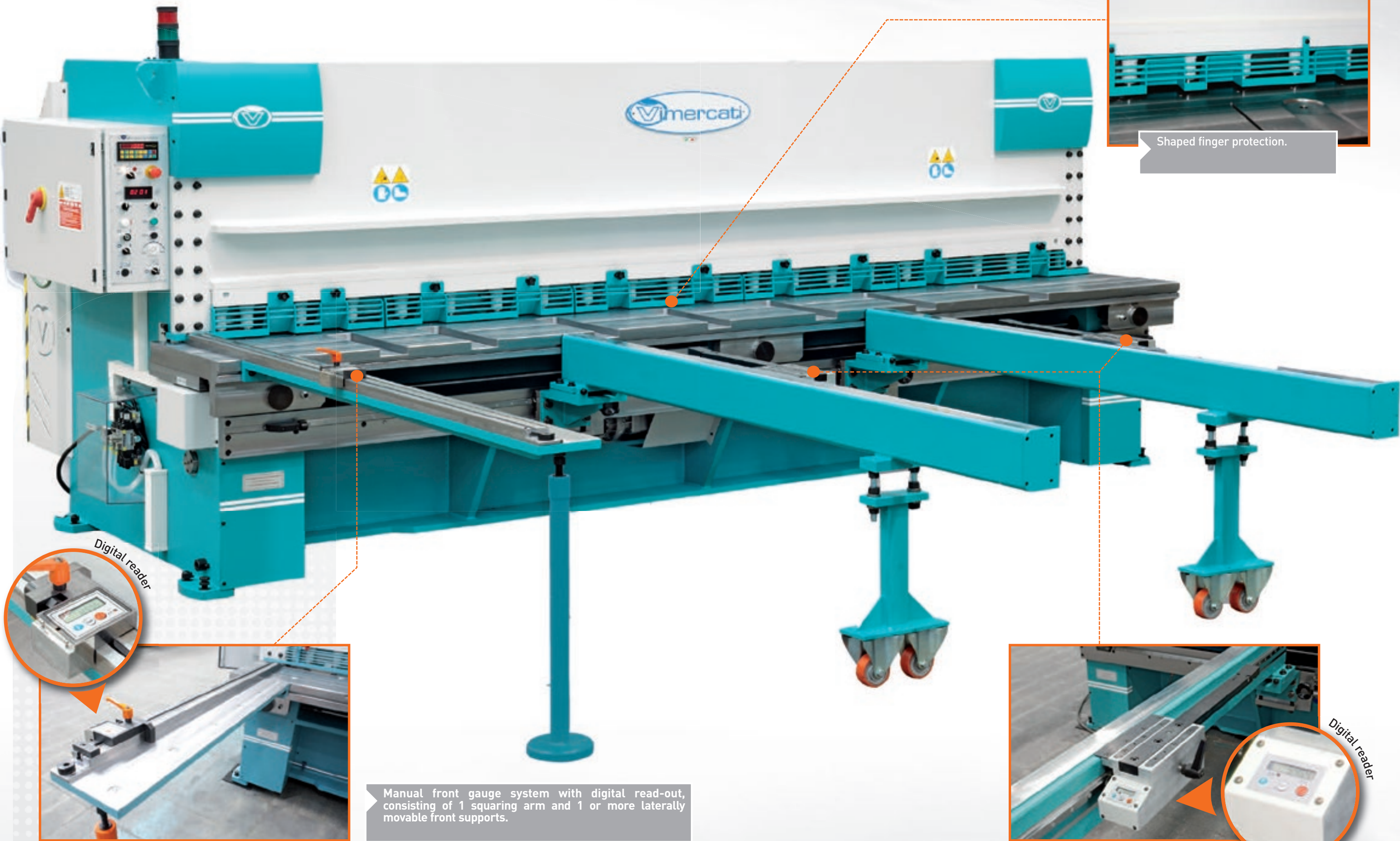
Pneumatic double rear support up to 6 mm with rolls in Teflon to avoid scratching of material with plastic protection.



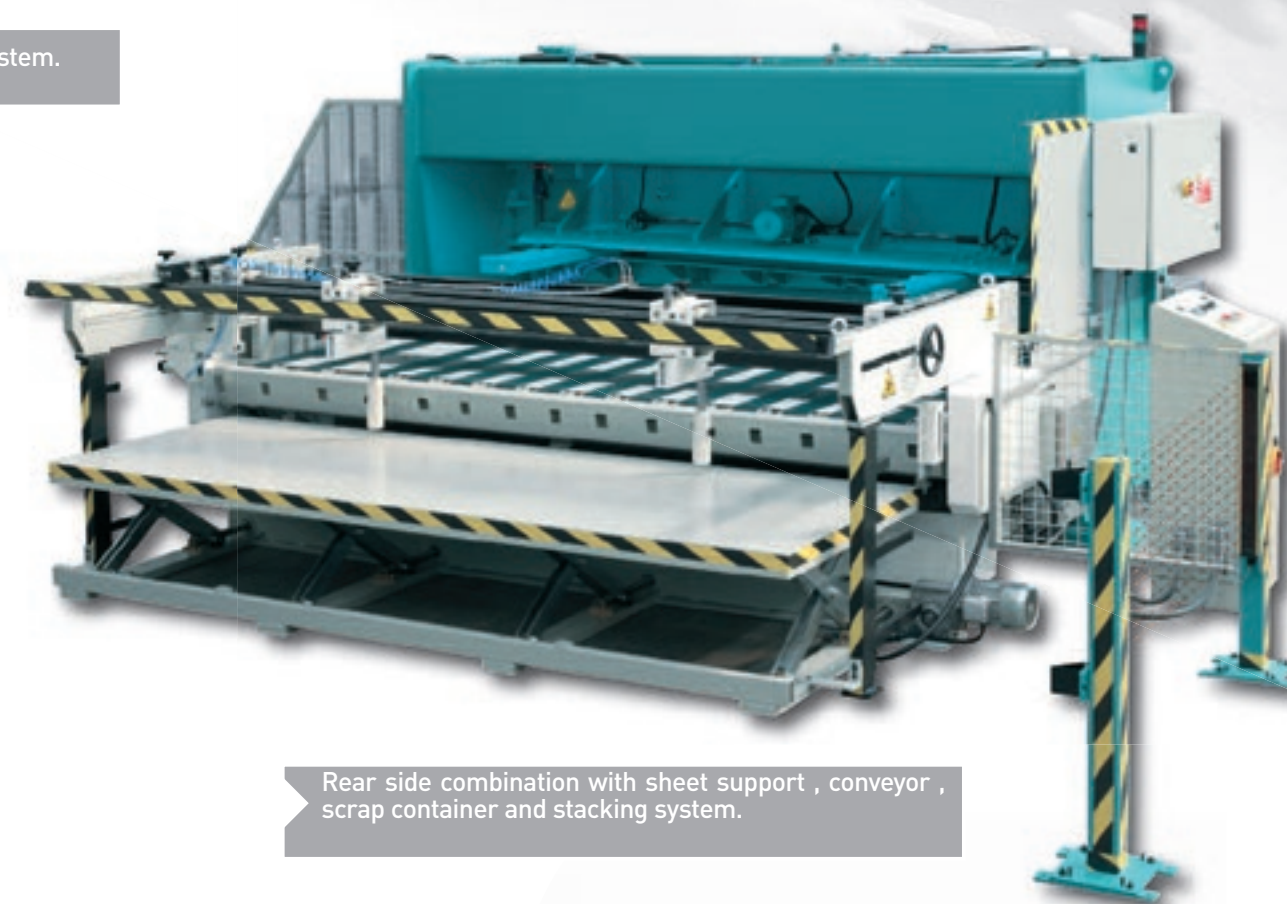
Rear support with teflon protection. The sliding table will be closed completely by the support arms to prevent small parts to get squeezed.







Shear CSI3050x6 with stacking system.



Rear side combination with sheet support , conveyor , scrap container and stacking system.



CNC front gauging system consisting of 1 fixed CNC squaring arm with pneumatic or hydraulic disappearing stops and 1 or more laterally movable CNC front support(s) with pneumatic or hydraulic disappearing stops. If stops are programmed at different positions, they serve as cutting angle device.



Disappearing stop.



Idle front support table with teflon-covered rolls for easy manual feeding of heavy material.



CNC automatic customized shearing system.

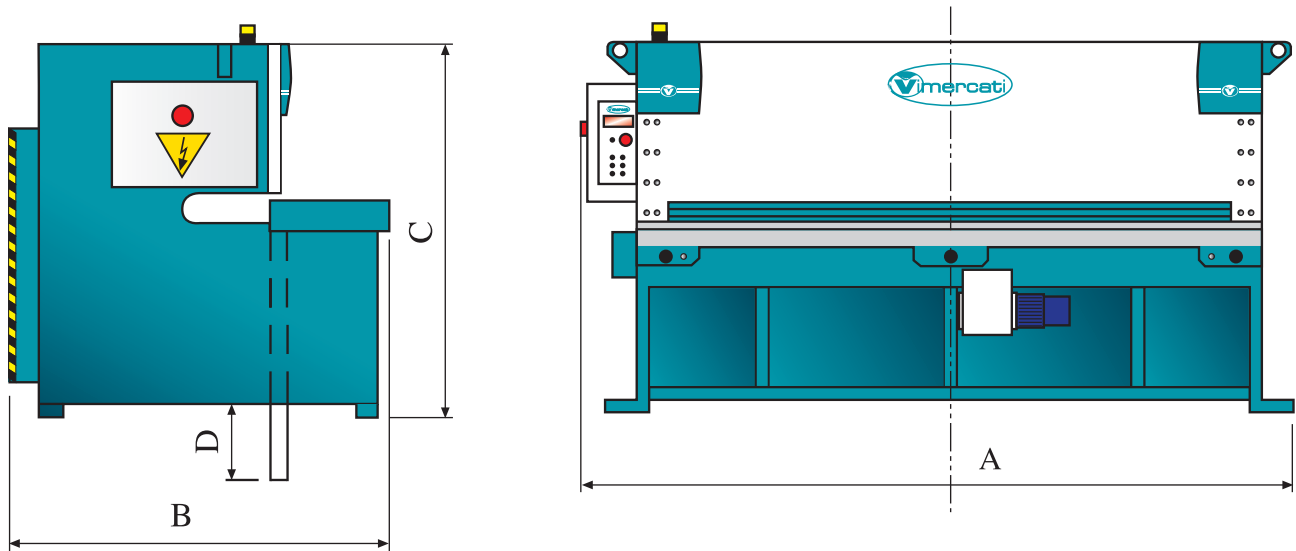


Anti - torsion device:
Not acceptable distortions may occur the narrower the strip to be cut and the larger the cutting angle of the shear. To remedy this fact, a series of hydraulic cylinders serve as counter pressure during the shearing movement.



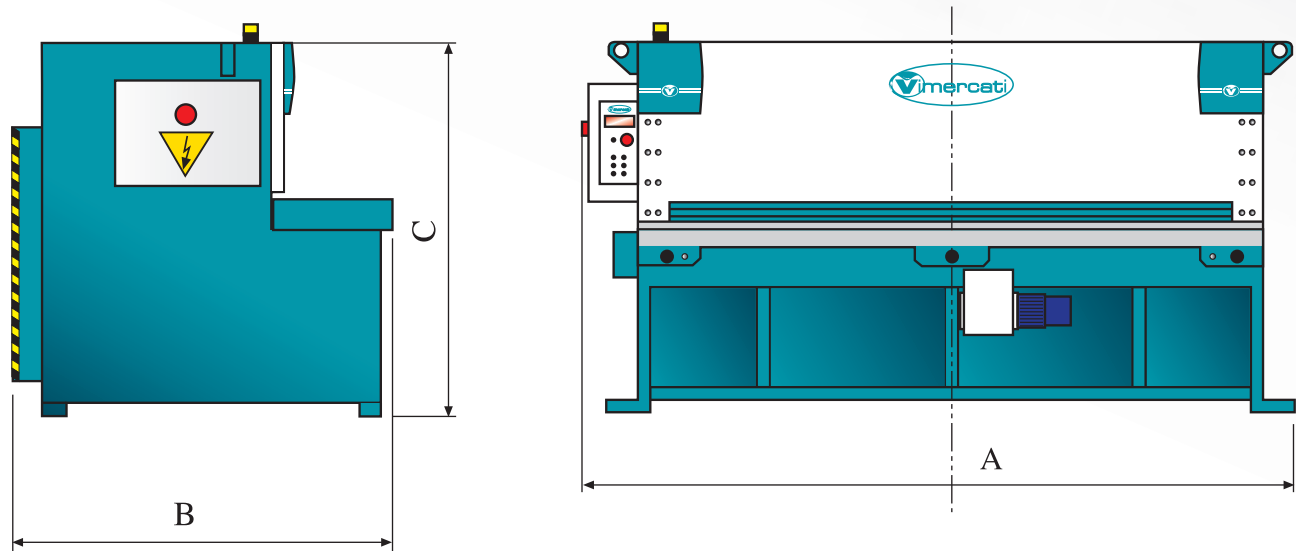
Special inclined shear where first cutting operation provides strips which are cut afterwards into small parts to be supplied to foundaries for melting (for instance nickel).

Technical Features CH shears



	CUTTING LENGTH	DISTANCE BETWEEN UPRIGHTS	GAP	MAX THICKNESS RES. (2XG.AMMO)	BACK GAUGE	SPEED	MOTOR	MIN.	CUT ANGLE MAX	WEIGHT	A	B	C	D
	mm	mm	mm	mm	mm	mm/sec	HP	min.	max	Kg	mm	mm	mm	mm
2006	2050	2200	500	6	1000	95	10	30'	2°	5500	2650	1900	1900	-
2008				8		90	15		7300	2700	2200	2100		
2010				10		85	20		8850			2200		
2012				12		70	25		10300			2200		
2015				15		60	30		13500			2750	2300	
2020				20					16000	2450				
2023				23					18500	2550				
2505	2550	2700	500	5	1000	95	10	30'	2°	6000	3150	1900	1900	-
2508				8		90	15		8200	3200	2150	2050		
2510				10		85	25		9500			2100		
2512				12		70	30		12000			2200		
2515				15		60	40		15500			3250	2300	
2518				18					17300	2450				
2522				22					19800	2550				
3005	3050	3200	500	5	1000	85	10	30'	2°	7500	3650	1900	1900	-
3006				6		90	15		2° 30'	8700	3700	2050	2150	
3008				8						95			20	
3010				10		70	25			12000			2300	
3012				12						14000		2350		
3014				14		60	30			16000	3750	2450		
3016				16						18000		2600		
3020				20						21900		2650		
4004	4050	4200	500	4	1000	95	10	30'	2°	12200	4650	2050	2150	-
4006				6		90	15			14200	4700	2200	2200	
4008				8		85	20			17000			2300	
4010				10		70	30			20500		4750	2400	
4012				12						22500	2400			
4014				14		60	20'			26000	2600	2600	500	
6004	6050	6200	500	4	1000	85		20	20'	1° 20'	20120	6700	2300	2400
6006				6		80	25	30'	1° 30'	27000	2350	2500		
6008				8		70	30			33000	2600	2600	300	
6010				10		60	30			38500	2800	2750	400	
6012				12						41500	6750	2900	3100	600

Technical Features CSI shears



	CUTTING LENGTH	DISTANCE BETWEEN UPRIGHTS	MAX THICKNESS RES. (2xG.AMMO)	BACK GAUGE	SPEED	MOTOR	CUT ANGLE		WEIGHT	A	B	C
							MIN.	MAX.				
3006	3050	3200	6	1000	85	10	30'	2° 30'	7000	3650	1850	1900
3010			10		90	25			9100	3650	2000	2100
3015			15		70	30			15200	3700	2200	2250
4004	4050	4200	4	1000	85	10	30'	2°	9500	4650	2100	1900
4006			6		90	25			12500	4700	2150	2100
4010			10		70	30			19000	4800	2300	2250



CUTTING AND BENDING SOLUTIONS

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