

 GEMMA



Basic A
Double head cutting machine



Double head cutting machine with front blades; fixed left unit and mobile right unit with automatic movement

STANDARD CHARACTERISTICS

Structure

- Electrowelded steel basement
- Feeding roller conveyor combined with mobile head
- 4 horizontal pneumatic clamps

Cutting unit

- Electronic tilting between 20° and 135° controlled by software
- Microdrop cutting lubrication with pure oil
- 2 blades Ø 500 mm included

Axes (x-y-z)

- Axes movements controlled by brushless motors
- Mobile head movement on round guides

Control panel

- Latest generation electronic control unit at 3 axes on Windows PC (10,4" colour touch-screen) for interface and electronic axes management
- HICAM 2 software to upload and run machining programs; list machining and visualization of profile/workpiece data
- Ethernet, wi-fi and teleassistance
- RJ 45 – USB network ports



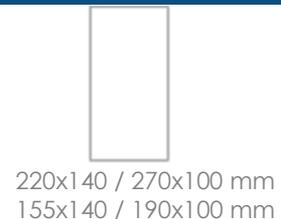
Safety

- Integral cutting area protections with automatic opening/closing
- Complies with CE safety regulations as standard

Electrical cabinet

- IP 55 protection

Cutting capacity



General specifications



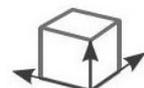
500 mm



1,8 kW (x2)



1.600 kg



6.000x1.650x1.700 mm



TECHNICAL INFO

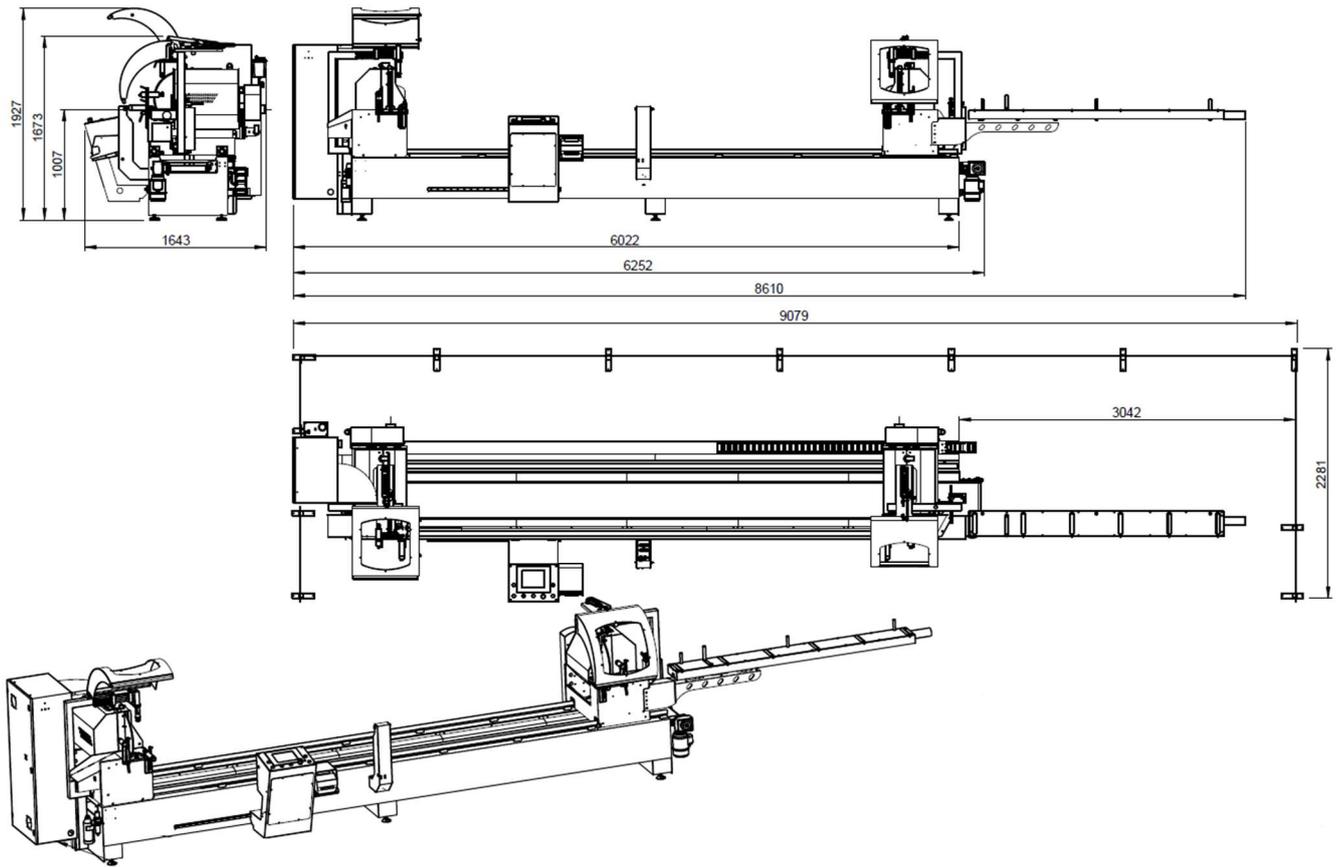
Positioning axis		Cutting unit	
X axis		Blade diameter	500 mm
Stroke	4.600 mm	Shaft diameter	30 mm
Speed	20 m/min	Blade revolutions	2.800 rpm
Y e Z axes		Max cutting speed	6 m/min
Tilting angles	20° - 135°	Blade output management	Oleopneumatic
		Motor power	1,85 kW
		Cutting angles	20°-135°

Power supply		Cutting specifications	
Electric power	400 V / 50 Hz	Minimum cutting length between 2 blades	320 mm
Air compressed supply	7 Bar	Maximum cutting length between 2 blades	4.600 mm
Air consumption per cycle	28 NI	Under and over size cuts possible by software	



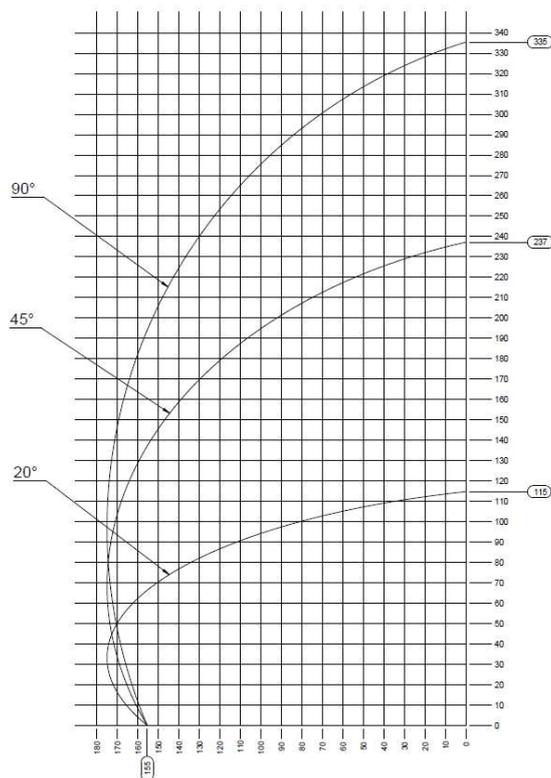
Optionals	
<ul style="list-style-type: none"> • Blade Ø 500 mm • Central intermediate support • Profile final support • Couple of vertical clamps • Motorized belt conveyor for swarf • Automatic device measuring profile height 	<ul style="list-style-type: none"> • Label printer • Safety protection with photocells • Oil tank 25 l • Autotransformer for special voltage (230V/480/600V) • UL-CSA compliant components • Ocean freight packaging

Machine Layout



Cutting diagram

CUTTING DIAGRAM BASIC 500





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