



Basic P
Double-head cutting-off machine



GEMMA

BASIC

Double-head cutting-off machine with front blades; fixed left unit and movable right unit with automatic movement

STANDARD CHARACTERISTICS

Structure

- electro-welded steel basement
- feeding roller conveyor combined with moving head
- 4 horizontal pneumatic clamps

Cutting unit

- pneumatic tilting for 20°/45°/90°/135° angles controlled by software
- mechanical stops for intermediate degrees
- Venturi lubrication system
- 2 widia blades Ø 500 mm

Axes (x-y-z)

- axis movements are controlled by brushless motors through precision ball screws
- mobile head movement on cylindrical guides

Control panel

- electronic control unit on PC-Windows (10,4" color touch-screen) for interface and electronic axis management
- HICAM 2 software to upload and run machining programs; list machining and visualization of workpiece lead time
- ethernet, wifi and teleassistance
- RJ 45 – USB network ports
- meets Industry 4.0's requirements



Safety

- integral cutting area protections with automatic opening and closing
- complies with CE safety regulations as standard

Electrical cabinet

- IP 55 protection

Cutting capacity

90°
45°



155x155 mm
145x145 mm



220x140 / 270x100 mm
155x140 / 190x100 mm

Specifiche generali



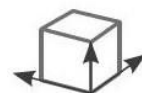
500 mm



1,8 kW (x2)



1.600 kg



6.000x1.650x1.700 mm



GEMMA

BASIC

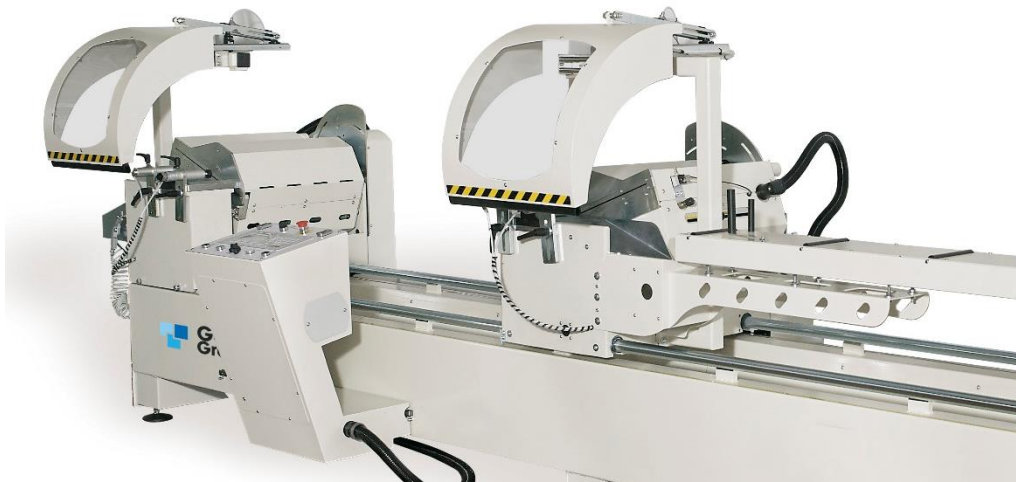
Double-head cutting-off machine with front blades; fixed left unit and movable right unit with automatic movement

TECHNICAL INFO

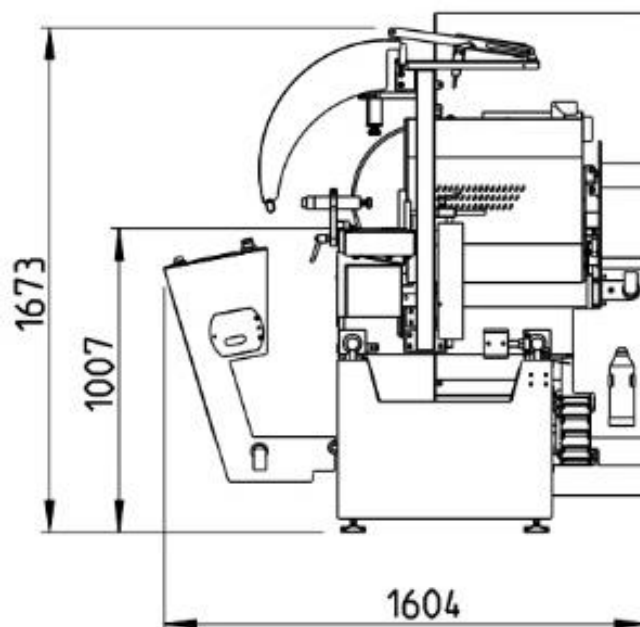
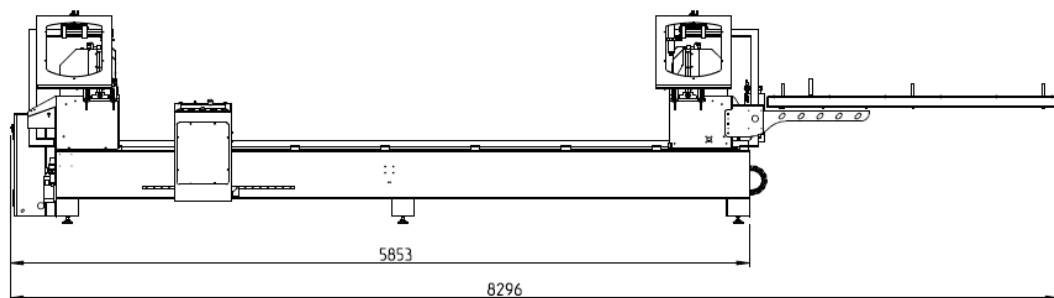
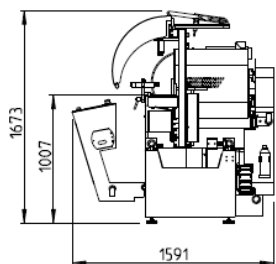
Positioning axis		Cutting unit	
X axis		Blade diameter	500 mm
Stroke	4.600 mm	Shaft diameter	30 mm
Speed	20 m/min	Blade revolutions	2.800 rpm
Y e Z axes		Max. cutting speed	6 m/min
Tilting angles	20° - 135°	Blade output management	oleopneumatic
		Motor power	1,8 kW
		Cutting angles	20°-135°

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	33 NI		

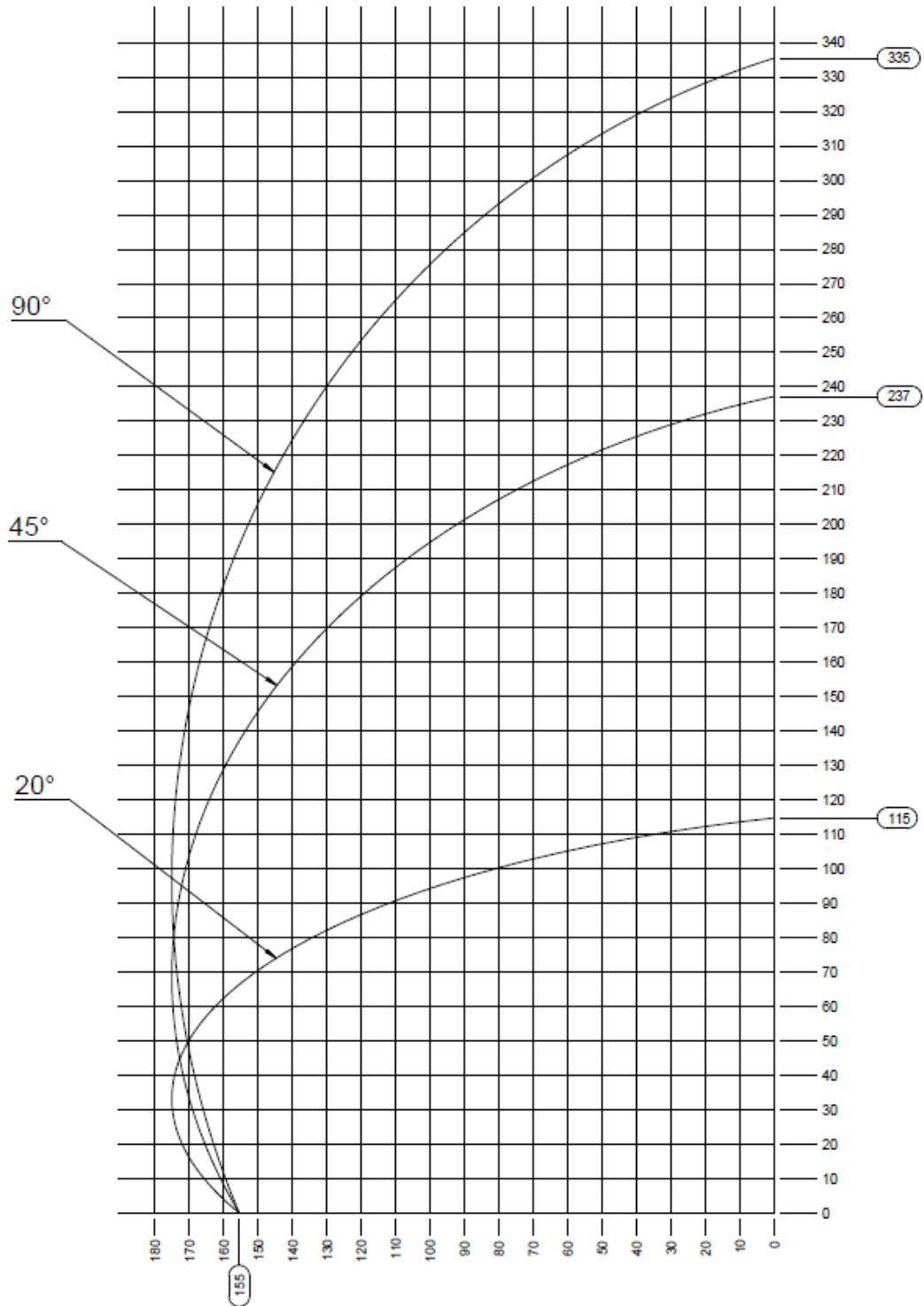
- ### Optionals
- Intermediate central support
 - Widia blade Ø 500 mm
 - Vertical clamps (2 pieces)
 - Motorized belt scraps conveyor
 - Automatic profile height detector
 - Label printer
 - Protection with photocells
 - USA-CANADA setup (UL-CSA standards)
 - Autotransformer for special voltage
 - Ocean freight packaging



Machine layout



CUTTING DIAGRAM BASIC 500





Gemma Group srl
Via Dante Alighieri, 6
47853 Coriano – Rimini – Italy
Tel. +39 0541 905811
www.gemma-group.com
email: info@gemma-group.com