



Basic A
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

- electronic tilting between 20° and 135° controlled by software
- micro-drop cutting lubrication with pure oil
- 2 wide 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



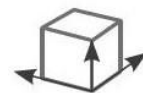
500 mm



1,8 kW (x2)



1.600 kg



6.000x1.650x1.700 mm



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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°

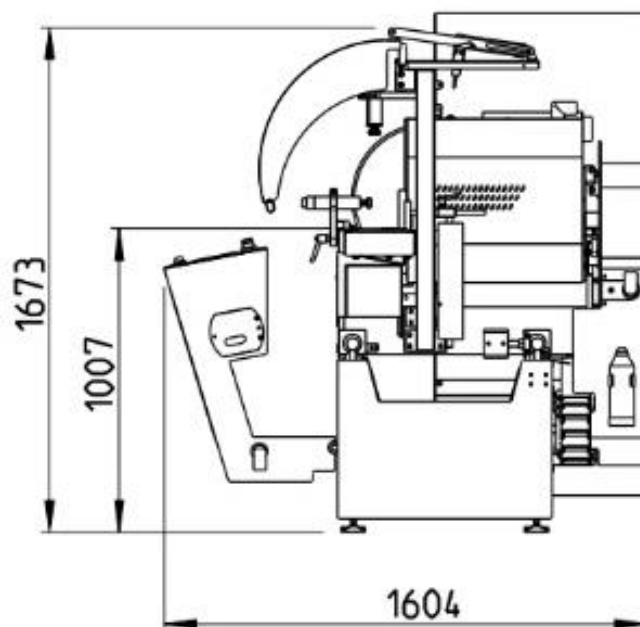
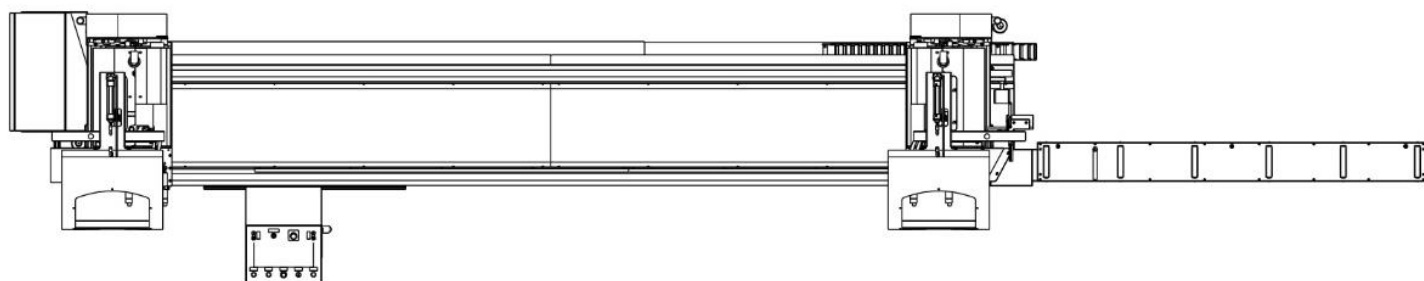
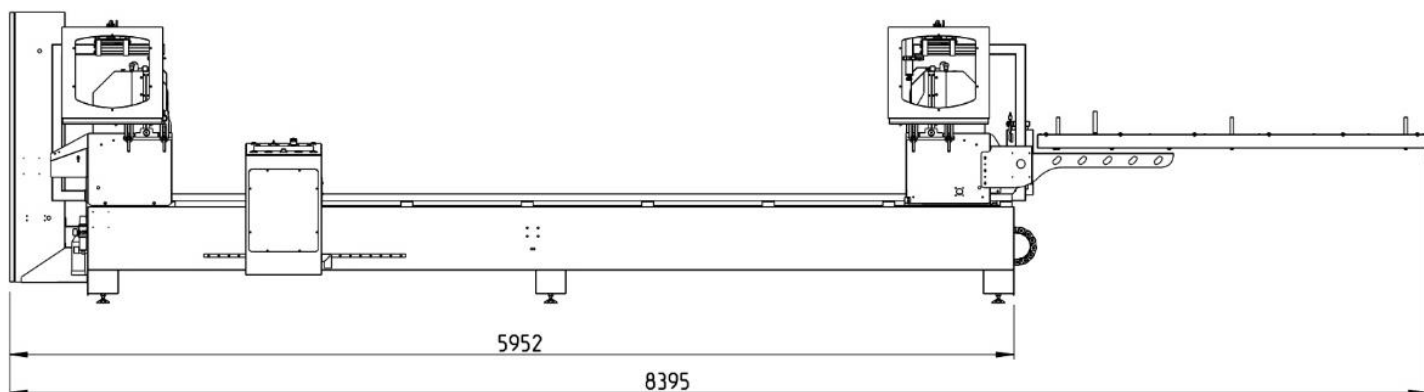
Power supply		Cutting specifications	
Electric power	400 V / 50 Hz	Minimum cutting length between 2 blades	320 mm
Air compressed supply	7 Bar	Maximum cutting length between 2 blades	4.600 mm
Air consumption per cycle	28 NI		



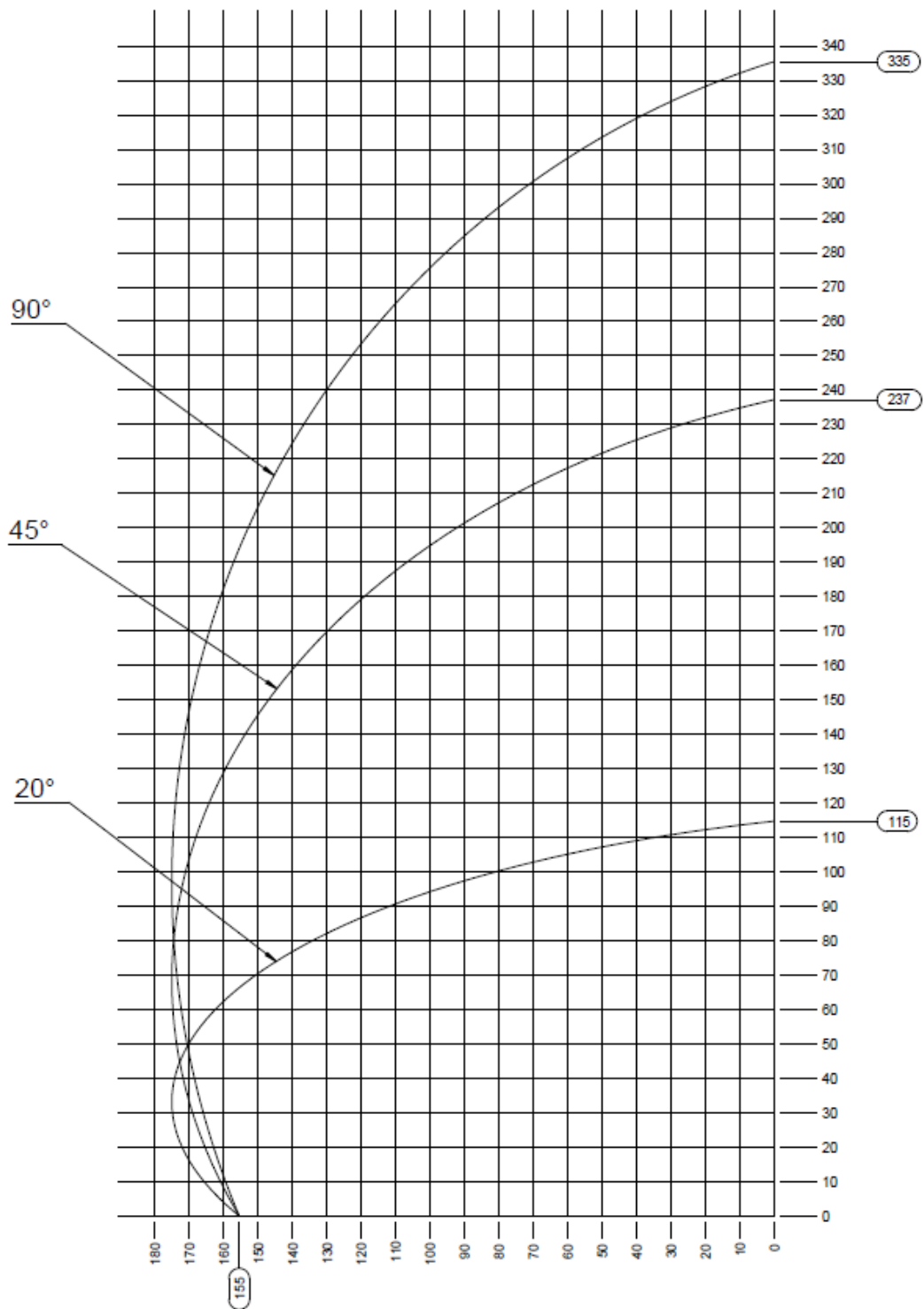
Optionals

- 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





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