



 **GEMMA**

**Autocut**  
Single head cutting machine



Single head cutting machine with upstroke blade and automatic feeding for 90° cuts

## STANDARD CHARACTERISTICS

### Structure

- Electrowelded steel basement
- 4 horizontal pneumatic clamps and 4 vertical clamps
- Central support for small section profiles
- Profile locking with heavy rigid "bridge" system

### Cutting unit

- Microdrop lubrication system
- 1 blade Ø 500 mm included
- Blade output adjustment to optimize cutting time

### Working axes

- Bar advancement system with brushless motor running on ground rack driven by numerical control with touch screen commands
- End bar length laser detector

### Control panel

- Electronic control unit on Windows PC (7" colour touch-screen) to program cutting lists
- 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
- Predisposition for vacuum cleaner



## Cutting capacity

90°



160x160 mm



280x130 mm

## General specifications



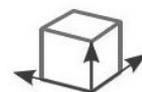
550 mm



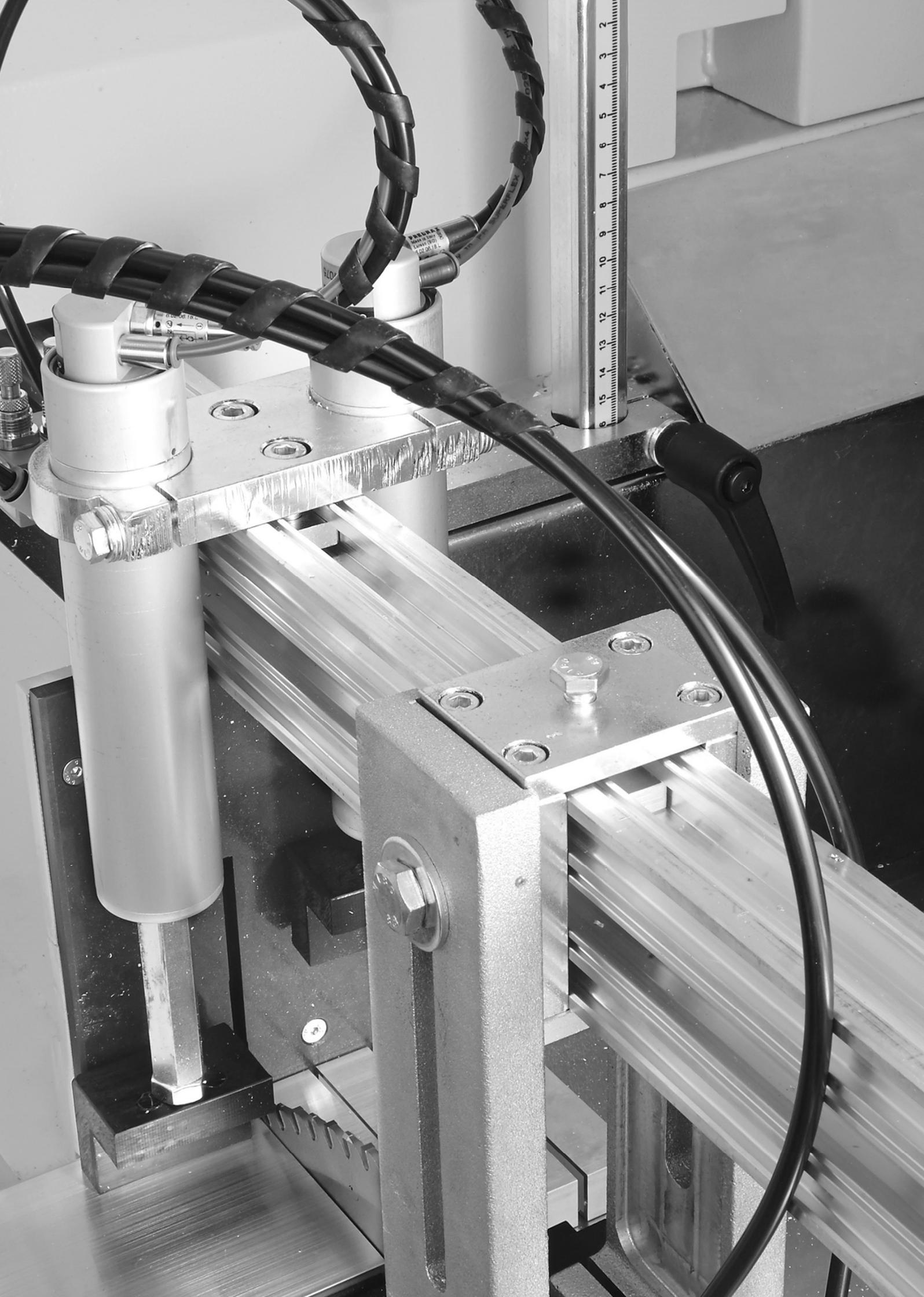
5,5 kW



680 kg



1.800x900x1.800 mm

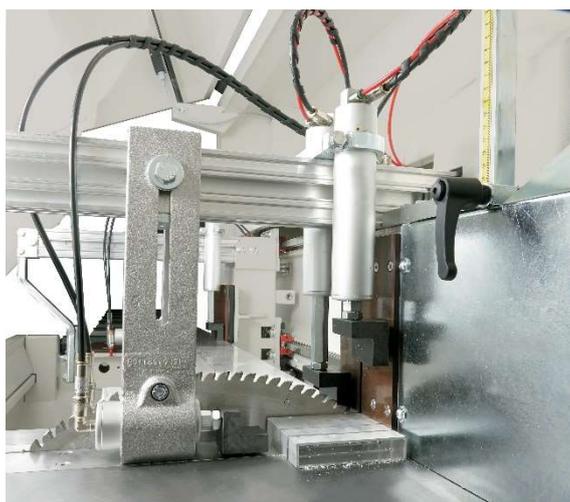


## TECHNICAL INFO

Power supply		Cutting unit	
Electric power (three-phase)	400 V / 50 Hz	Blade diameter	550 mm
Motor power	5,5 kW	Shaft diameter	30 mm
Air compressed supply	7 Bar	Blade revolutions	2.800 rpm
Air consumption per cycle	65 NI	Max cutting speed	6 m/min
		Feed speed	30m/min
		Blade output management	Oleopneumatic

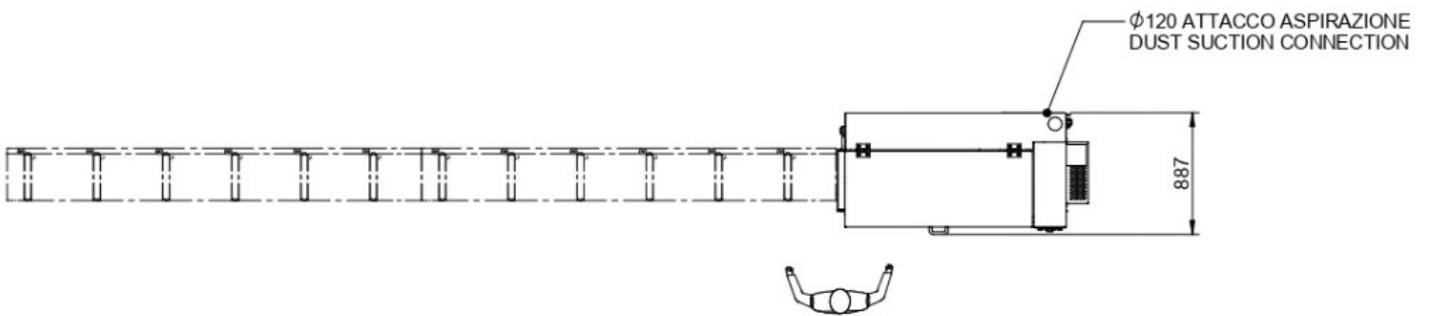
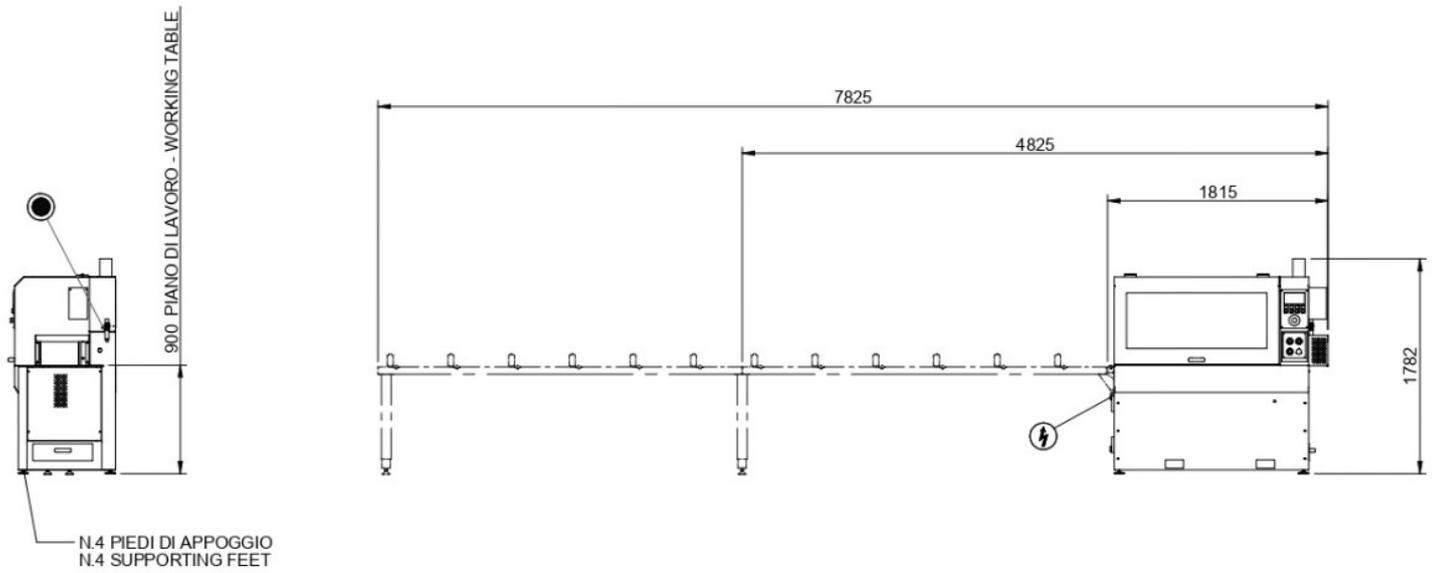
  

Cutting specifications		Drilling specifications (optional)	
Min cutting length	5 mm	Drilling control	Pneumatic
Max cutting length (without recovery)	810 mm	Unit movement	Linear guides
Cutting zone- end profile sensor distance	295 mm	Motor power	1,1 kW
Cutting angle	90°	Drill rotation	5.700 rpm
Positioning accuracy	± 0,25 mm	Drill attachment	ER25
		Lubrication	Microdrop
		Y and Z adjustment	Manual
		Y dimension reading	Numerical indicator
		Z dimension reading	Graduated rod
		Y working field	210 mm
		Z working field	150 mm



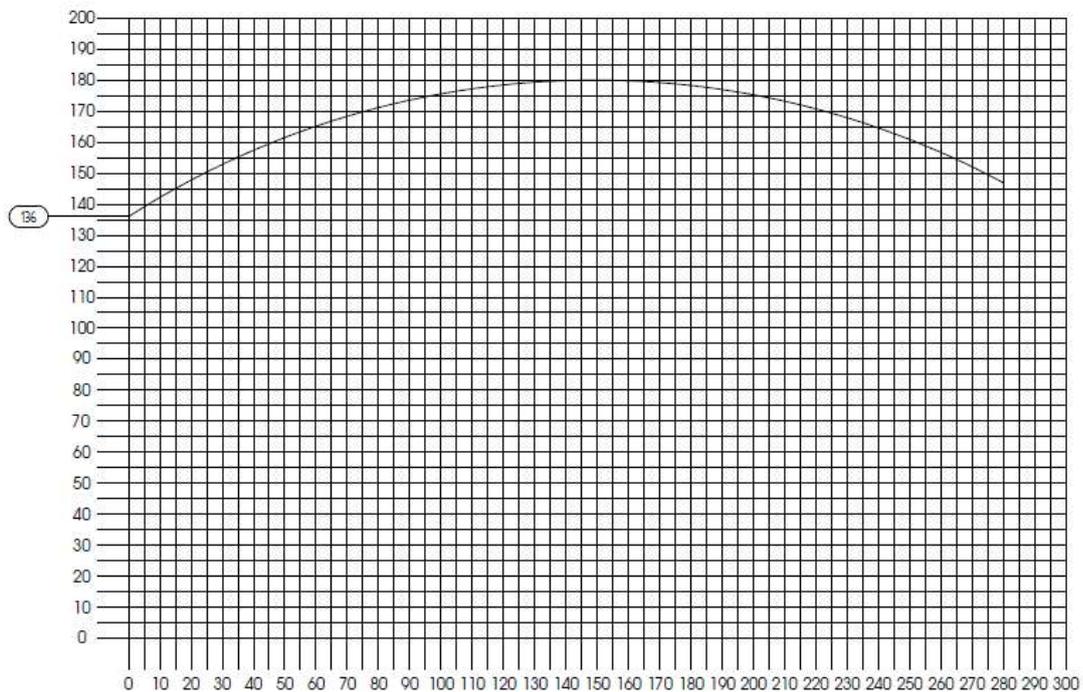
Optionals	
<ul style="list-style-type: none"> <li>• Microdrop lubrication</li> <li>• Infeeding roller conveyor 3 m</li> <li>• Infeeding roller conveyor 6 m</li> <li>• Blade Ø 550 mm</li> <li>• Single spindle drilling machine with pneumatic throw</li> </ul>	<ul style="list-style-type: none"> <li>• Oil tank 25 l</li> <li>• Autotransformer for special voltage (230V/480/600V)</li> <li>• UL-CSA compliant components</li> <li>• Ocean freight packaging</li> </ul>

## Machine layout



## Cutting diagram

CUTTING DIAGRAM AUTOCUT 550





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