



 **GEMMA**

Autocut
Single-head cutting-off machine



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

STANDARD CHARACTERISTICS

Structure

- electro-welded steel basement
- 4 horizontal clamps, 3 vertical clamps
- central support for small section profiles
- profile locking with heavy-duty/rigid "bridge" system

Cutting unit

- Venturi lubrication system
- wide blade
- blade output adjustment to optimize cutting time

Working axis

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

Control panel

- electronic control unit on PC-Windows (7" color touch-screen) to program cutting lists
- ethernet, wifi and remote assistance
- RJ 45 – USB network ports

Safety

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

Electrical cabinet

- IP 55 protection
- pre-arrangement for the activation (on-off) of external vacuum/suction system

Cutting capacity

90°



160x160 mm



300x120 mm

General specifications



550 mm



5,5 kW

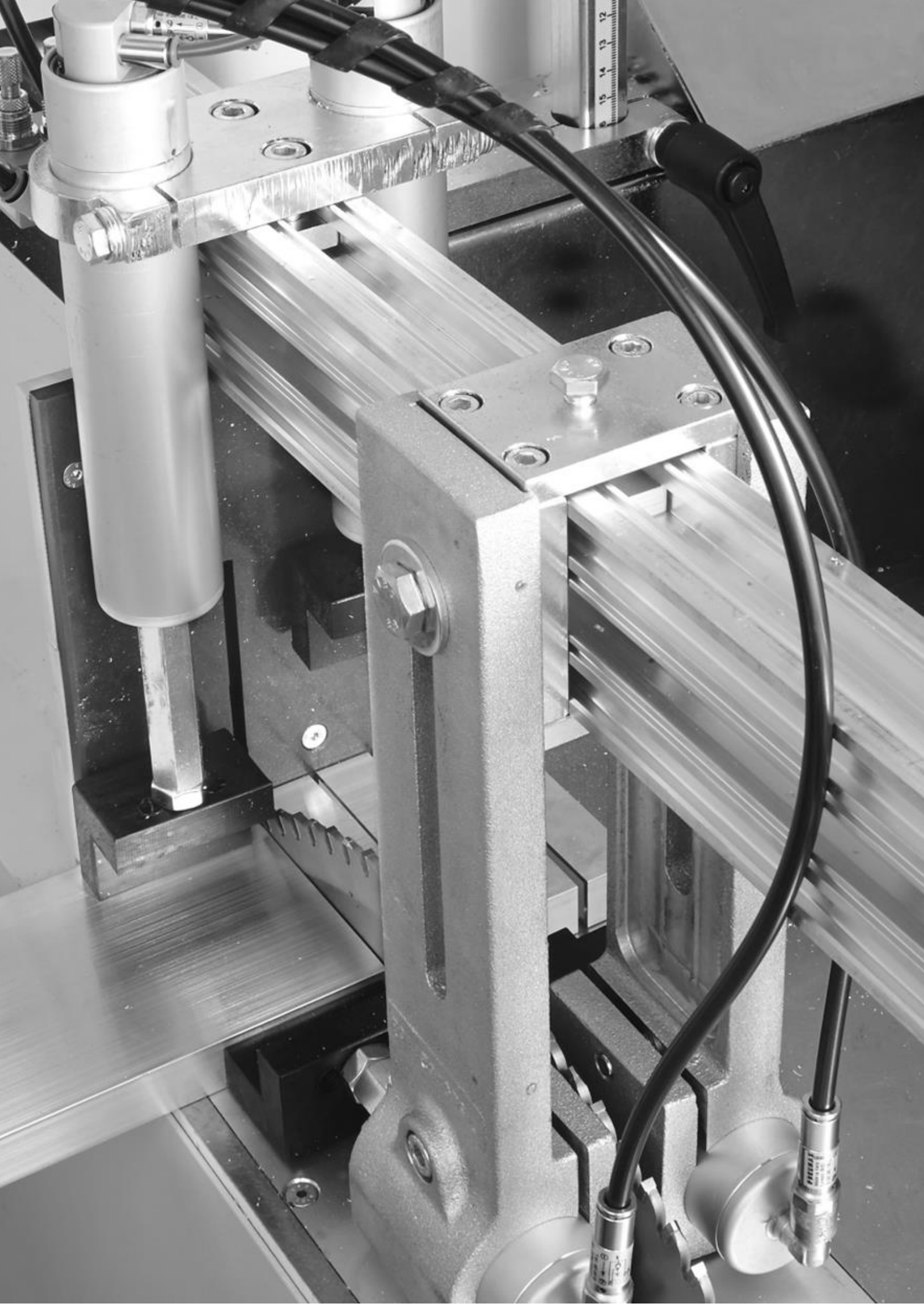


680 kg



1.600x800x1.650 mm





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TECHNICAL INFO

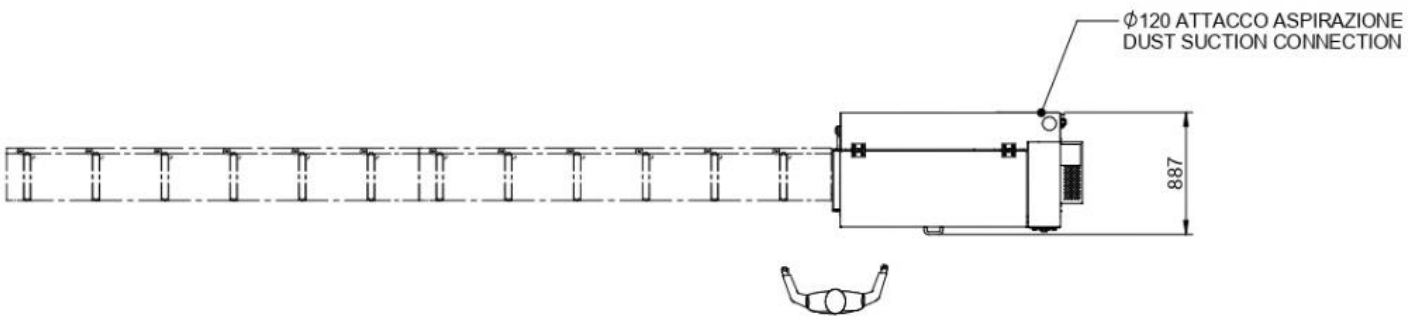
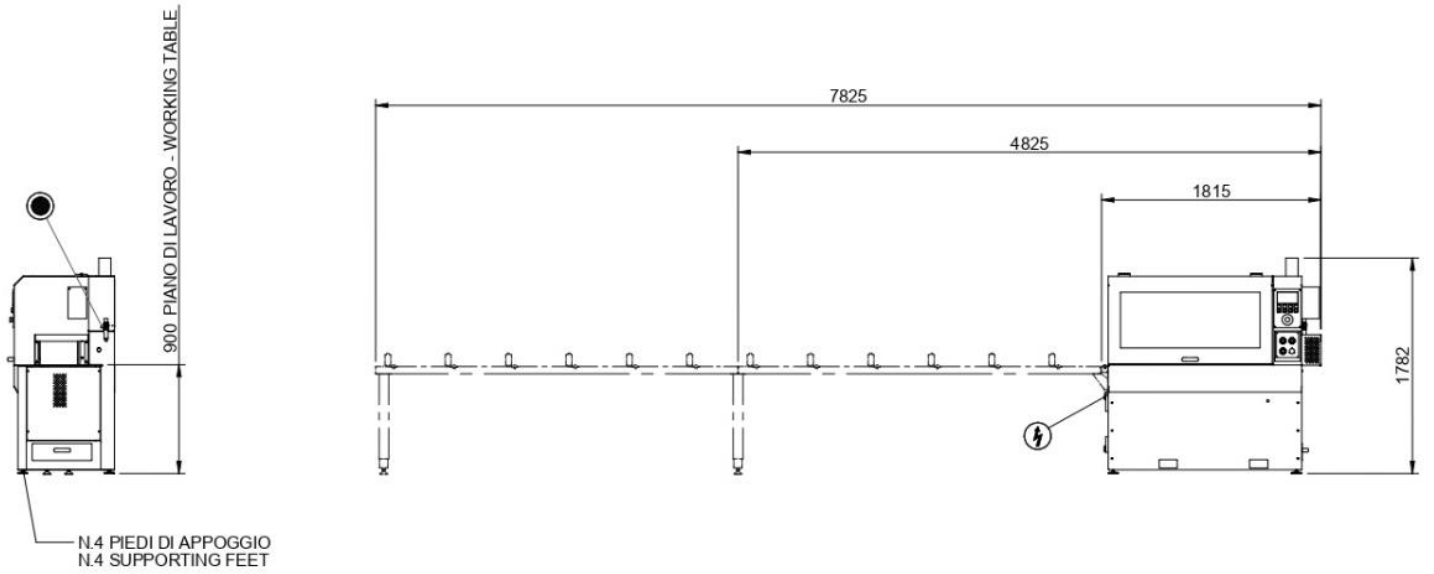
Power supply		Cutting unit	
Electric power	400 V / 50 Hz	Blade diameter	550 mm
Motor power	5,5 kW	Shaft diameter	30 mm
Air compressed supply	7 Bar	Blade revolutions	2.800 rpm
Air consumption per cycle	25 NI	Max. cutting speed	6 m/min
		Positioning speed	30m/min
		Blade output management	oleopneumatic

Cutting specifications			
Cutting zone-bar end sensor distance	295 mm	Min. cutting length	5 mm
Cutting angle	90°	Max. cutting length	660 mm
Positioning accuracy	± 0,25 mm		

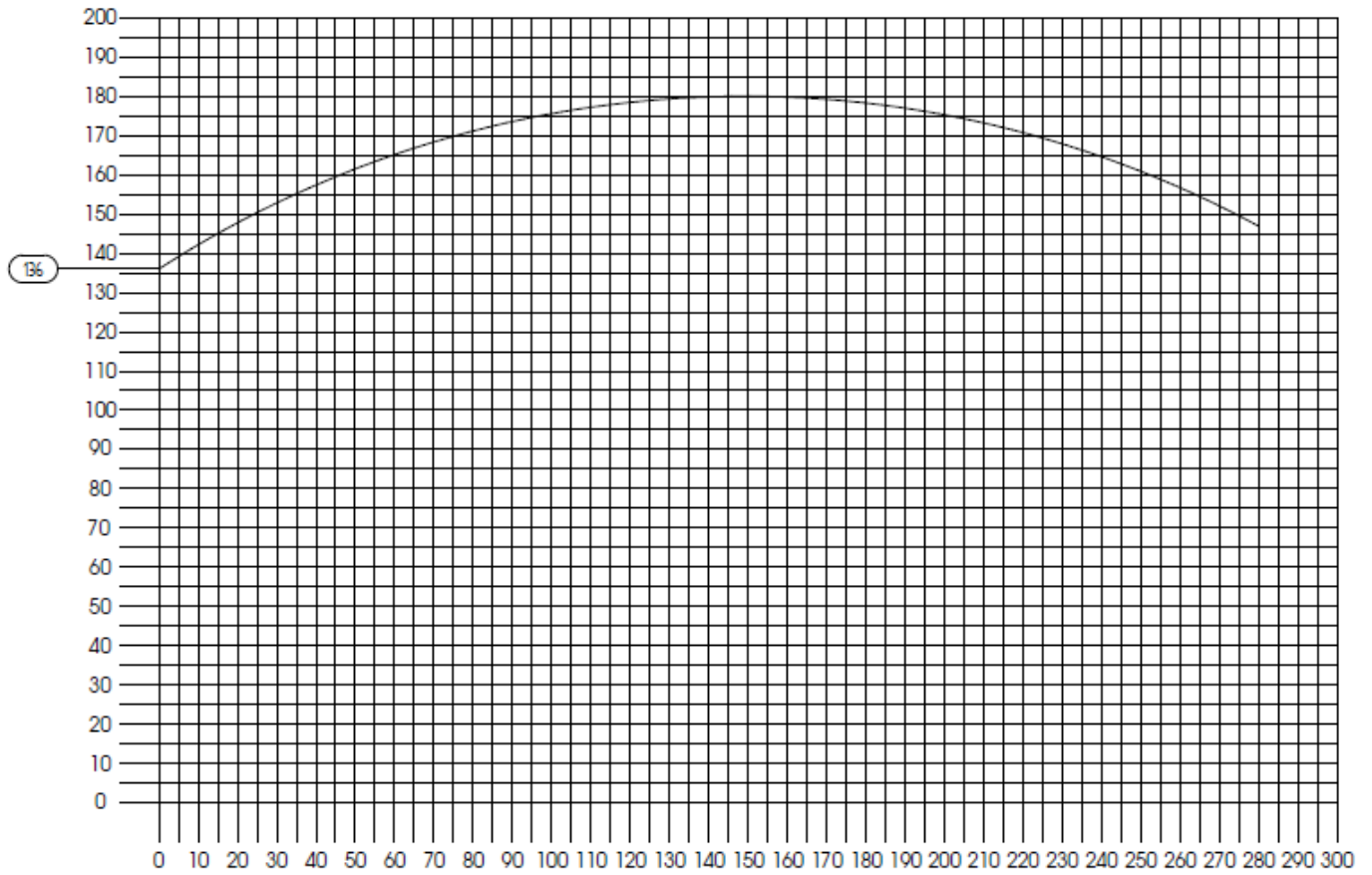
- ### Optionals
- Micro-drop lubrication
 - 3 m loading roller conveyor
 - 6 m loading roller conveyor
 - Widia blade 550 mm (spare)
 - Single spindle drilling unit with pneumatic stroke
 - USA-CANADA setup (UL-CSA standards)
 - Autotransformer for special voltage
 - Ocean freight packaging



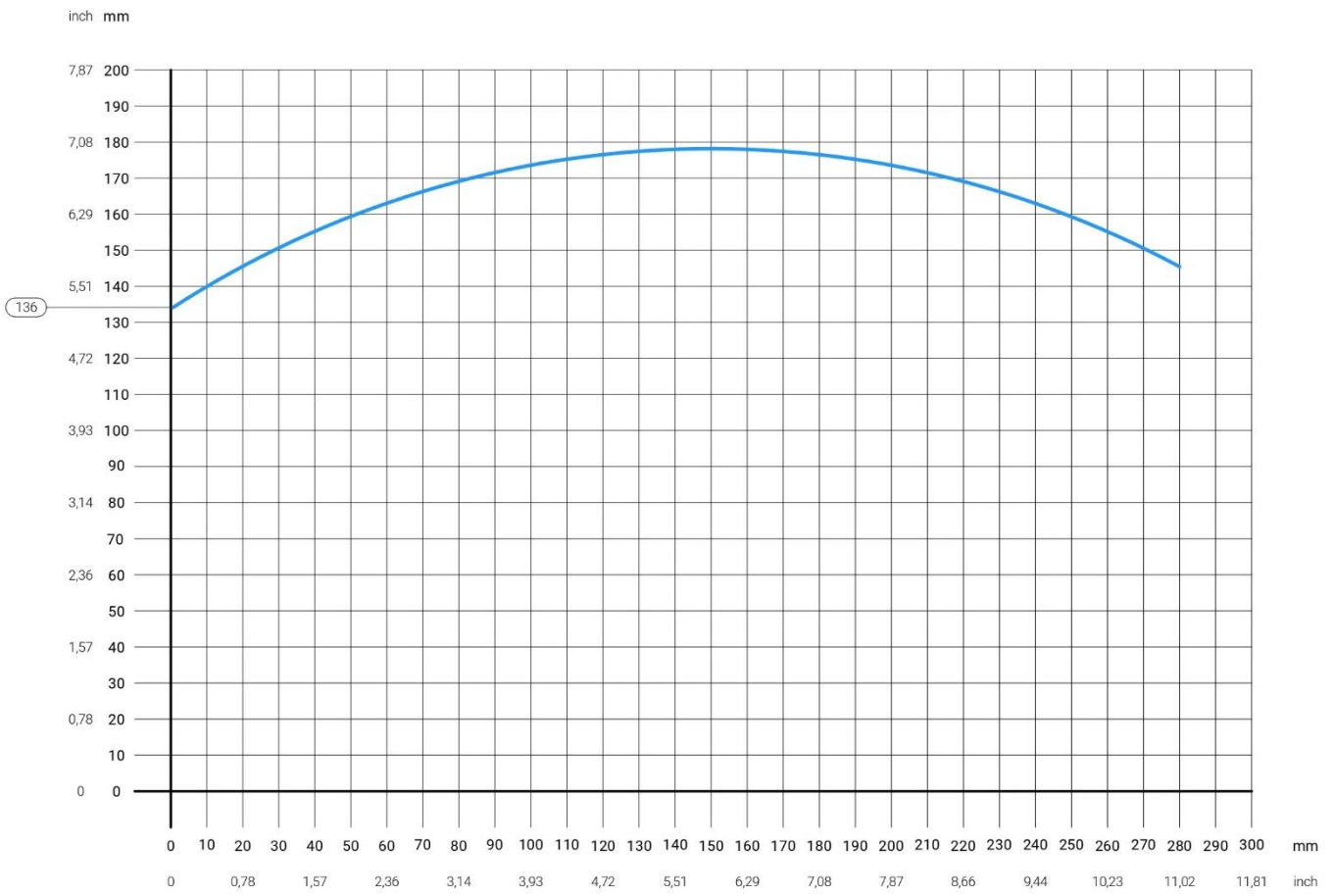
Machine layout



CUTTING DIAGRAM AUTOCUT 550



CUTTING DIAGRAM AUTOCUT 550





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