



# Master A

Double-head cutting-off machine



# GEMMA

## MASTER

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
- central retractable pneumatic support
- 4 horizontal pneumatic clamps

#### Cutting unit

- electronic tilting between 20° and 135° controlled by software
- micro-drop cutting lubrication with pure oil
- 2 widia blades Ø 600 mm

#### Axes (x-y-z)

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

#### Control panel

- electronic control unit on PC-Windows (17" 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°



200x200 mm  
175x175 mm



270x150 / 320x100 mm  
200x140 / 230x100 mm

#### General specifications



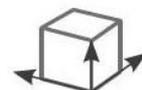
600 mm



3 kW (x2)



2.550 kg



6.400x1.700x2.150 mm



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### TECHNICAL INFO

Positioning axis		Cutting unit	
X axis		Blade diameter	600 mm
Stroke	5.000 / 6.000 mm	Shaft diameter	30 mm
Speed	25 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	3 kW
		Cutting angles	20°-135°

Power supply		Cutting specifications	
Electric power	400 V / 50 Hz	Minimum cutting length between 2 blades	370 mm
Air compressed supply	7 Bar	Maximum cutting length between 2 blades	5.000/6.000 mm
Air consumption per cycle	28 NI		

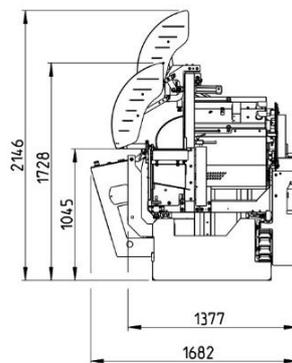
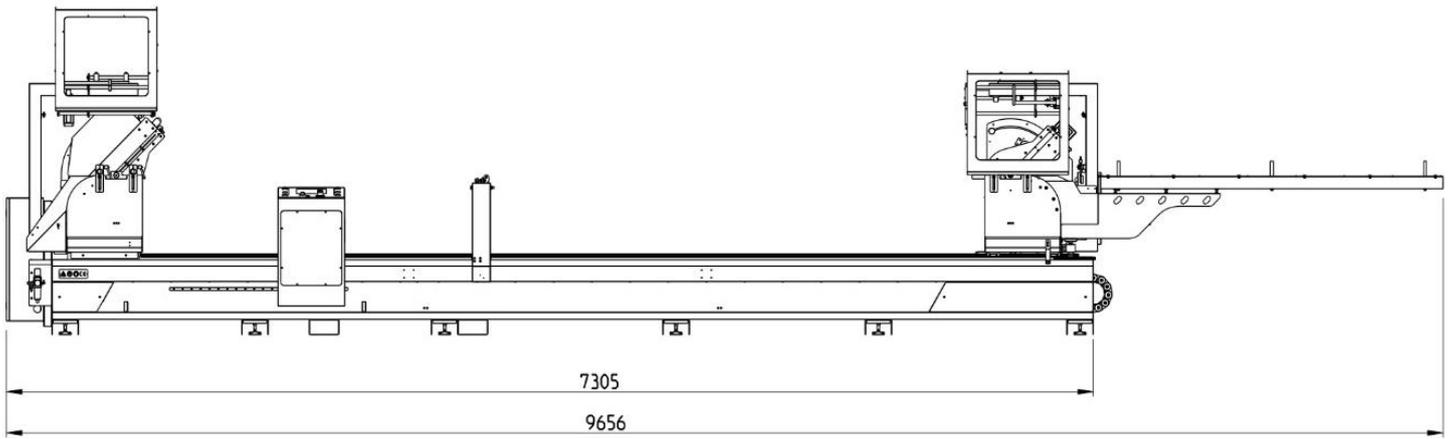


### Optionals

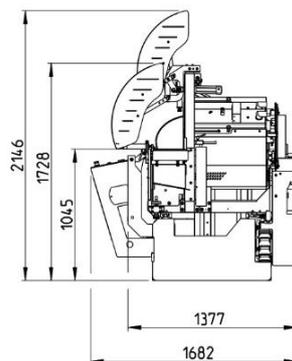
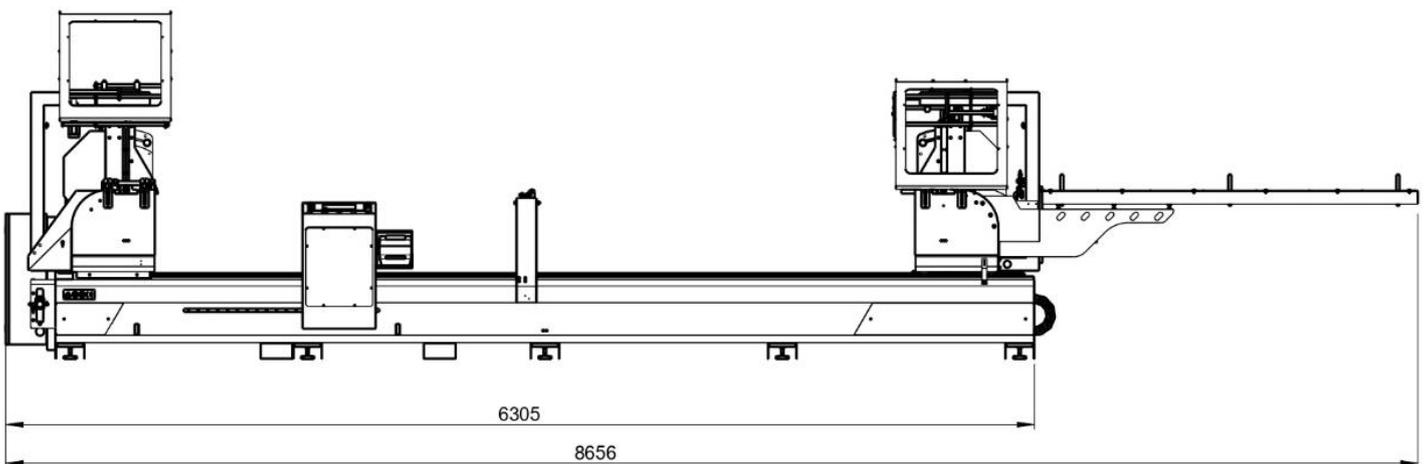
- 1 m length extension (6 m total)
- Blade Ø 600 mm (each)
- Vertical clamps (2 pcs.) for external degrees
- Motorized belt scraps conveyor
- 2,5 m fixed head roller conveyor with vertical stops
- Label printer
- Protection with photocells
- USA-CANADA setup (UL-CSA standards)
- Autotransformer for special voltage
- Ocean freight packaging

## Machine layout

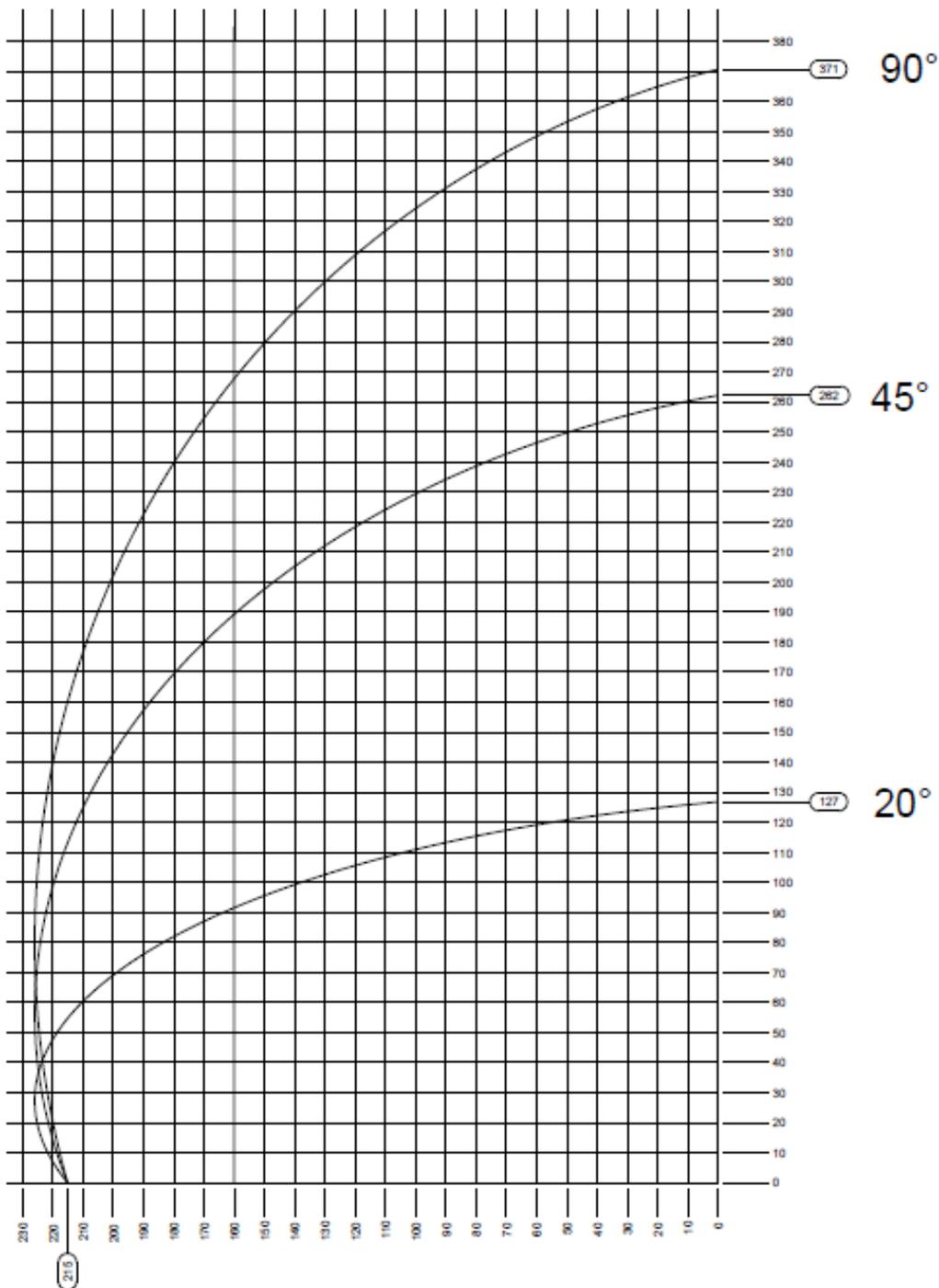
### Master A 6 m



### Master A 5 m



## CUTTING DIAGRAM MASTER 600





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