

GEMINI - IV SA

Double Head Front Blade Saw Ø 450 mm with Automatic positioning and Semi-automatic angle adjustment

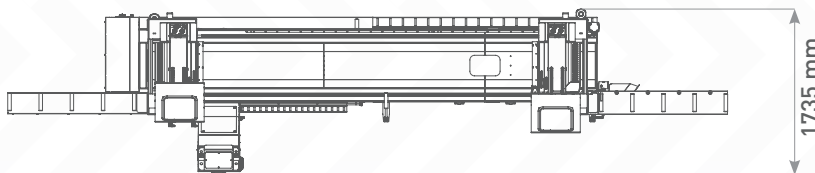
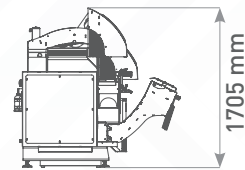
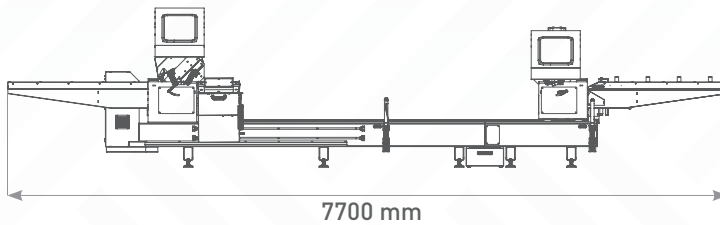
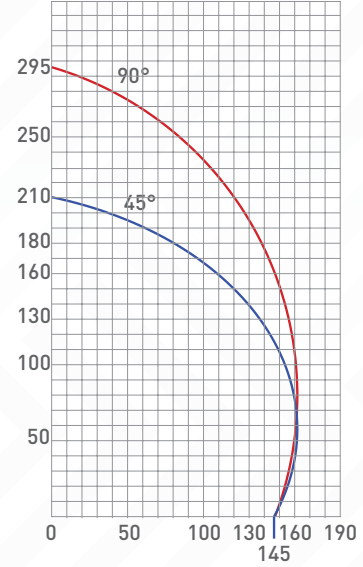
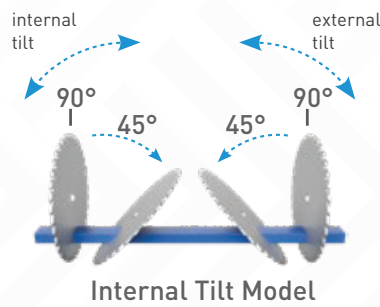
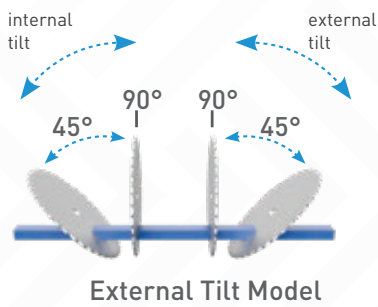


YouTube



WEB

The GEMINI - IV SA, a semi-automatic, single-axis servo-controlled, double-head cutting machine with a 450 mm saw blade, is ideal for cutting aluminum and PVC profiles of various angles and thicknesses. The GEMINI - IV SA offers fast, hydro-pneumatic angle positioning with two inclination types: -45° and 90° for the external angle model and 90° and 45° for the internal angle model. Manual positioning at all other intermediate angles ensures a flawless cutting process. While simultaneously cutting profiles with a minimum length of 400 mm and a maximum of 4040 mm with its dual heads, it also eliminates limitations when cutting profiles longer than 4040 mm. Equipped with automatic horizontal and vertical clamps and a profile support unit, the GEMINI - IV SA enhances cutting quality while prioritizing safety.



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AXIS TRAVEL

Hydro-pneumatic controlled rotation axis of head	•
Rapid angle positioning of heads hydro-pneumatically	45° and 90°
Hydro-pneumatic cutting feed adjustment	•
Minimum cutting length with double head (90°/45°)	400 mm / 560 mm
Maximum cutting length with double head (90°/45°)	4040 mm / 4040 mm
Maximum internal rotation angle (internal tilt)	45° / 90°
Maximum external rotation angle (external tilt)	90° / -45°

POSITIONING SPEED

X axis positioning speed	40 m/min
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AIR

Pressure	6-8 Bar
Consumption	120 L/min

ELECTRICAL

Maximum power	5,7 kW
Voltage	400V
Frequency	50-60 Hz

OPERATIONAL AREA

Cemented carbide saw blade	2
Saw blade diameter	450 mm
Saw blade motor power	2.2kW - 3HP
Profile height measurement (outer slope model)	•
Optional length in X-axis	○
Cutting zone protection covers	•
Horizontal pneumatic clamps	•
Vertical pneumatic clamps	•
Manual intermediate profile support	•
Intermediate profile support (pcs)	2
Additional intermediate profile support	○
Roller conveyor on moving head	•
Fixed head conveyor	○
Spray saw cooling system	•
Saw blade travel digital speed adjustment	○
Saw blade travel speed adjustment	•
Slicing mode at 90°	•
Barcode printer	○
Data transfer via remote network connection, Ethernet and USB	•
Control panel	10" Touch screen
Compatibility with powder suction system	•
Digital display for angular positioning of the head	○
Oz Machine Softcut (Cutting optimisation program)	○
Chip Drawer	Unavailable

• Standard ○ Opsiyonal