

**SERVO CONTROL
POWER**



GEMINI - IV SA

**Double Head
Front Blade Saw
Ø 450 mm**

1

Accurate Positioning

2

Excellent Productivity

Flexibility

4

3

Accurate Cutting

High Capacity

5

6

No Additional Cost



- **Accurate Positioning**

With the servo-controlled X axis, moving head always goes to the right position.

- **Excellent productivity**

Ability to cut more profiles thanks to high-speed axis that surpass standard industry speed. X – 40 m / min.

- **Accurate Cutting**

Ability to cut with the 450 mm saw and robust saw head and intermediate profile support.

- **Flexibility**

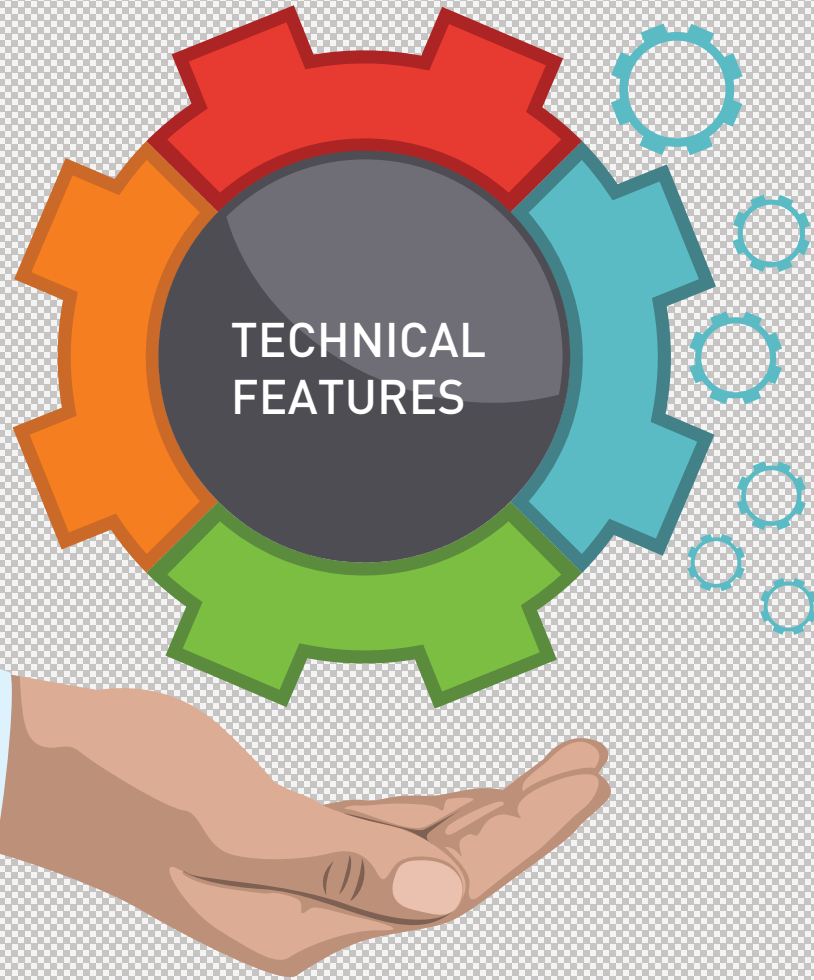
It provides the opportunity to work with all profiles thanks to its Internal Tilt and External Tilt models.

- **High Capacity**

Thanks to its excellent engineering design, it has a higher cutting capacity than its competitors with the same saw size.

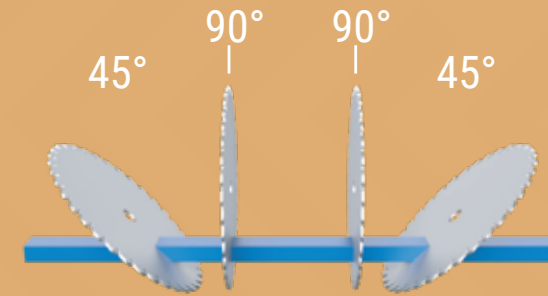
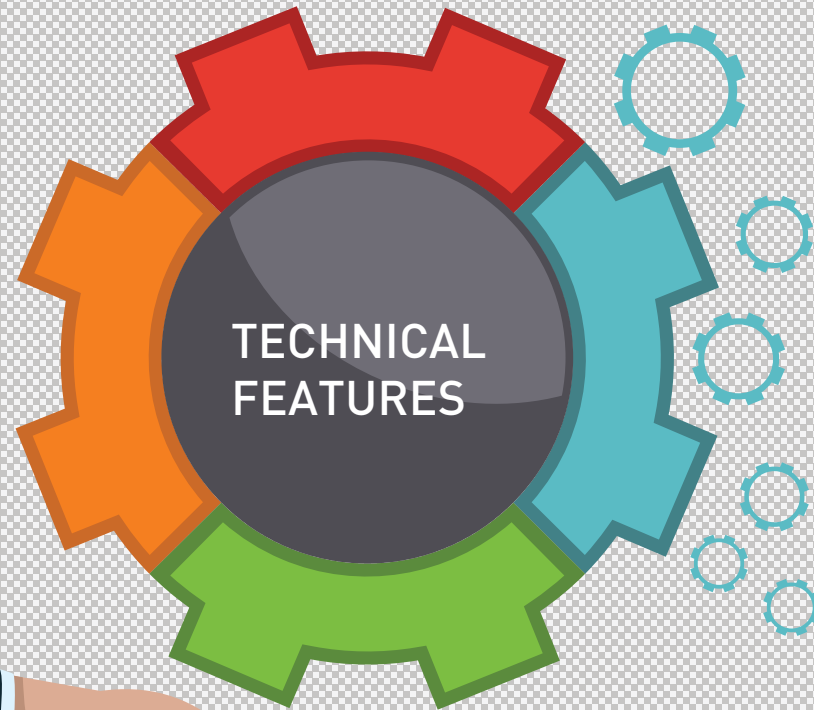
- **No Additional Cost**

Top of the range standard features including, 2x vertical clamps, Barcode reader, Manual chip evacuation, automatic measurement calculator with the molds cutting.

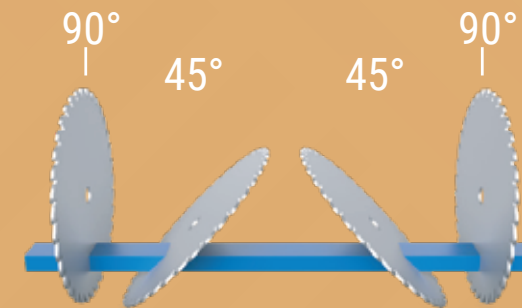


FEATURES

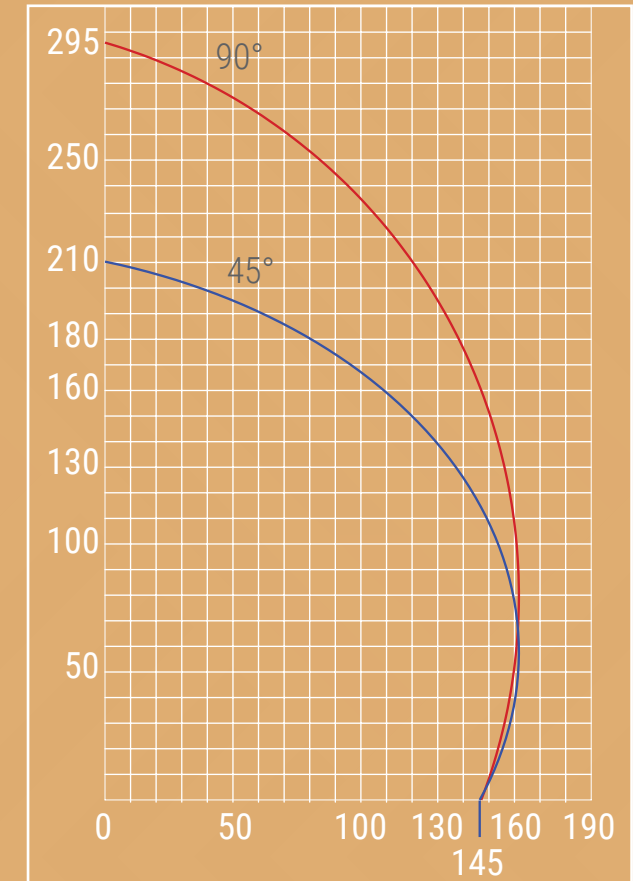
GEMINI - IV SA, double head front blade saw with 450 mm sawblade with semi-automatic 1 axis servo control, is an ideal option for cutting aluminium and PVC profiles in different angles and thicknesses. GEMINI - IV SA performs quick hydro-pneumatic angle positioning in 2 inclination models of -45° , 90° and 90° , 45° angles, while the heads that perform manual positioning in all other intermediate angles provide a perfect cutting process. While providing the cutting processes of profiles with a minimum length of 400 mm and a maximum of 4040 mm simultaneously with two heads, it also eliminates the limits in cutting of profiles. While increasing the cutting quality with its automatic horizontal and vertical clamps and profile support unit, GEMINI - IV SA also prioritises safety.



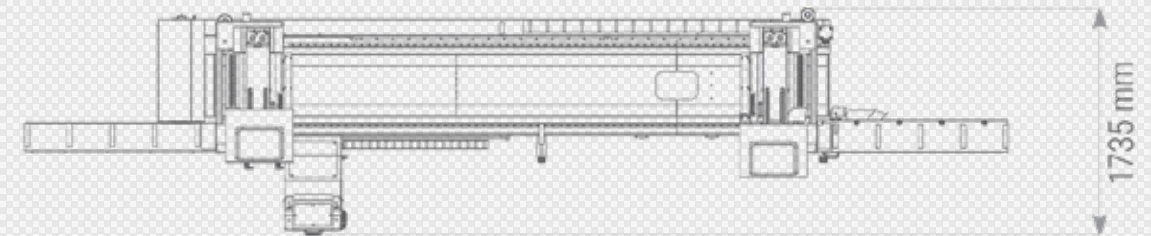
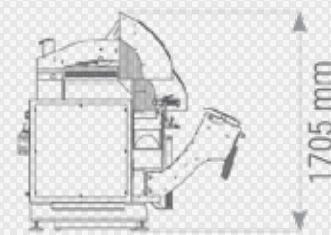
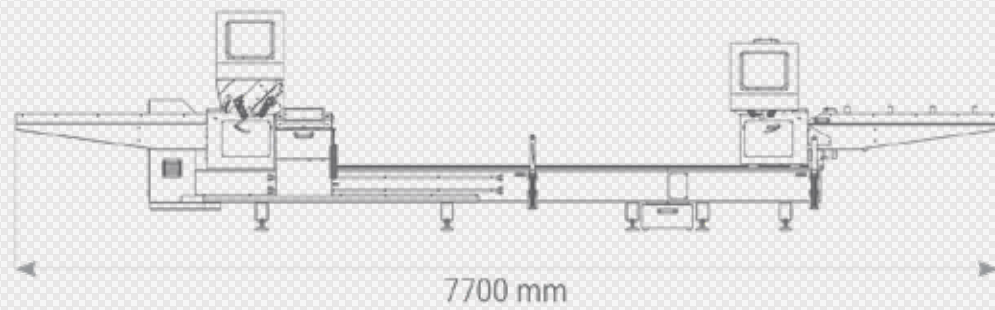
External Tilt Model



Internal Tilt Model



LAYOUT



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 / 560 mm
Maximum cutting length with double head (90°/45°)	4040 / 4040 mm
Maximum internal rotation angle (internal tilt / external tilt)	45° / 90°
Maximum external rotation angle (internal tilt / 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	400 V
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)	○

• Standard ○ Optional



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