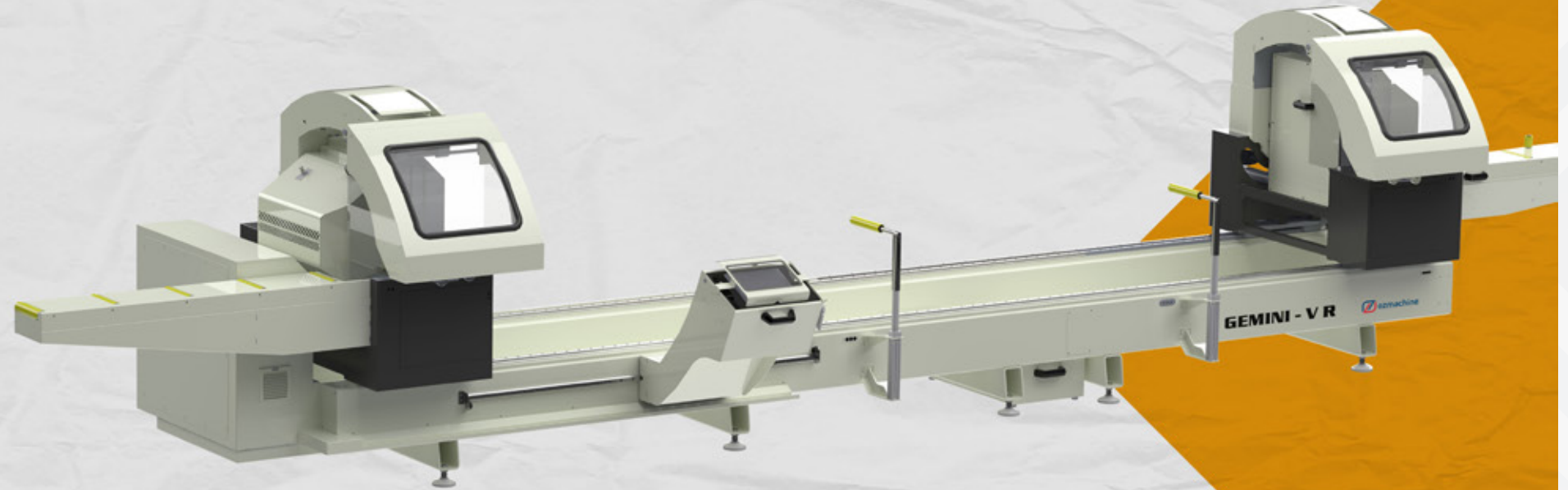


**POWER OF  
DOUBLE  
HEAD**



**GEMINI - V R**

**Double Head Front Blade  
Saw Ø 550 mm - Full  
Automation with  
3 Axis Servo Control**

# 1 Accurate Positioning

2 Excellent Productivity

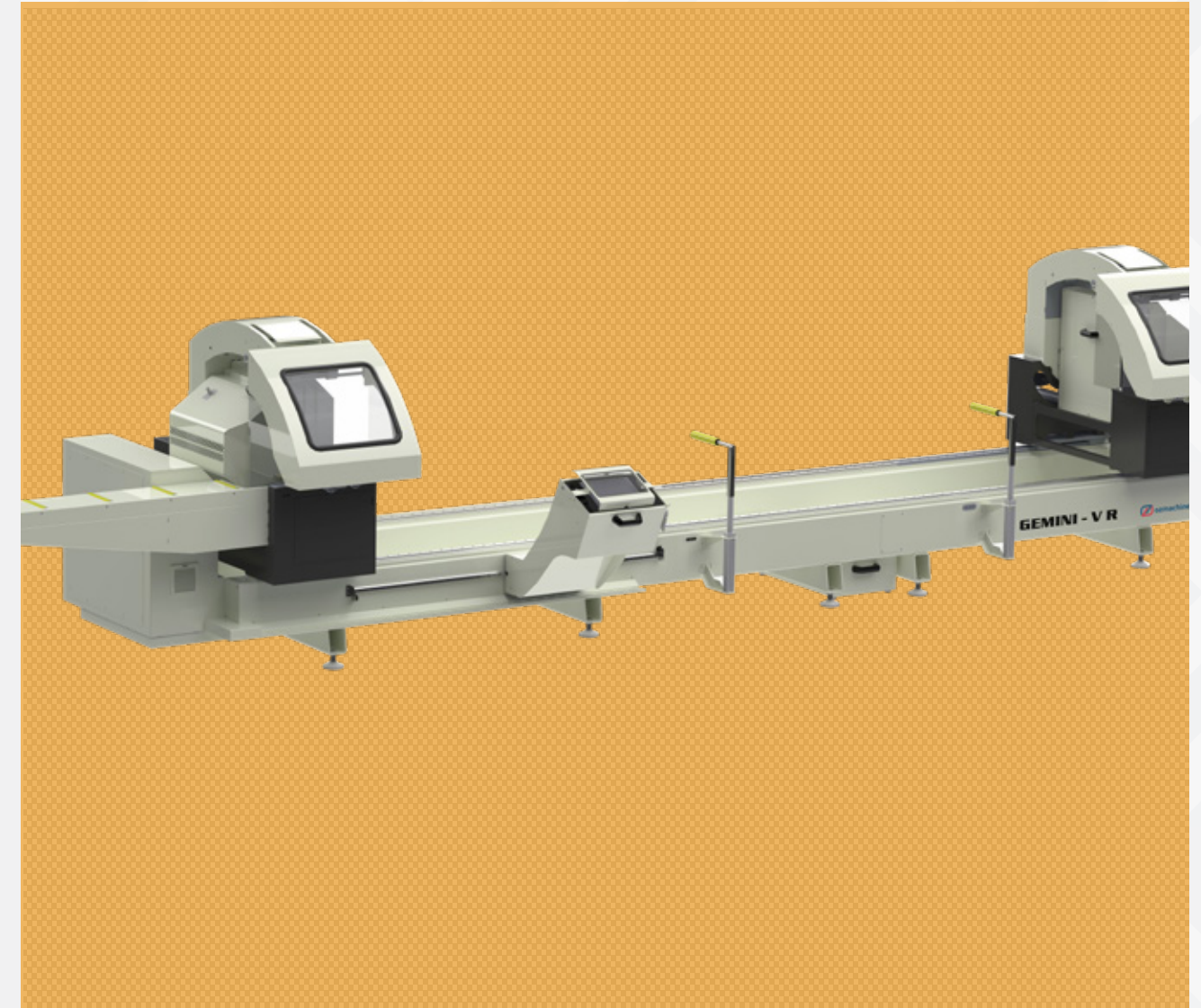
3 Accurate Cutting

6 No Additional Cost

Flexibility 4

High Capacity 5

Slicing 7



## Precise Positioning

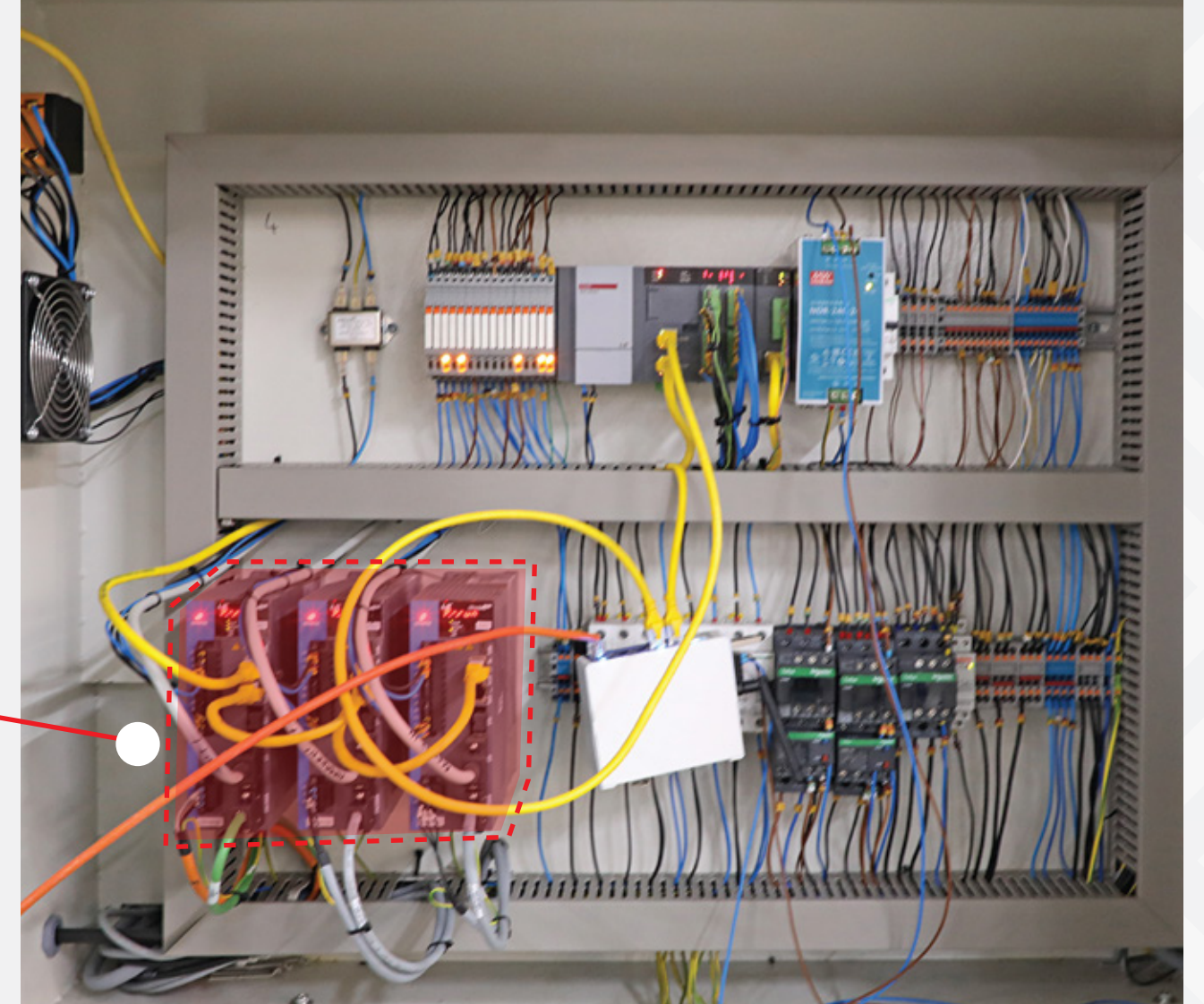
Thanks to the servo motor and linear rail in the moving head, it is positioned to the angle automatically and without error.





## FANUC Electrical Components

Thanks to FANUC automation, which is known for its worldwide recognition, reliability and perfection. It provides users with high quality results in cutting.



- **Accurate Positioning**

Thanks to the Servo Controlled X axis and automatic tilting, operations are completed precisely and quickly.

- **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 550 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**

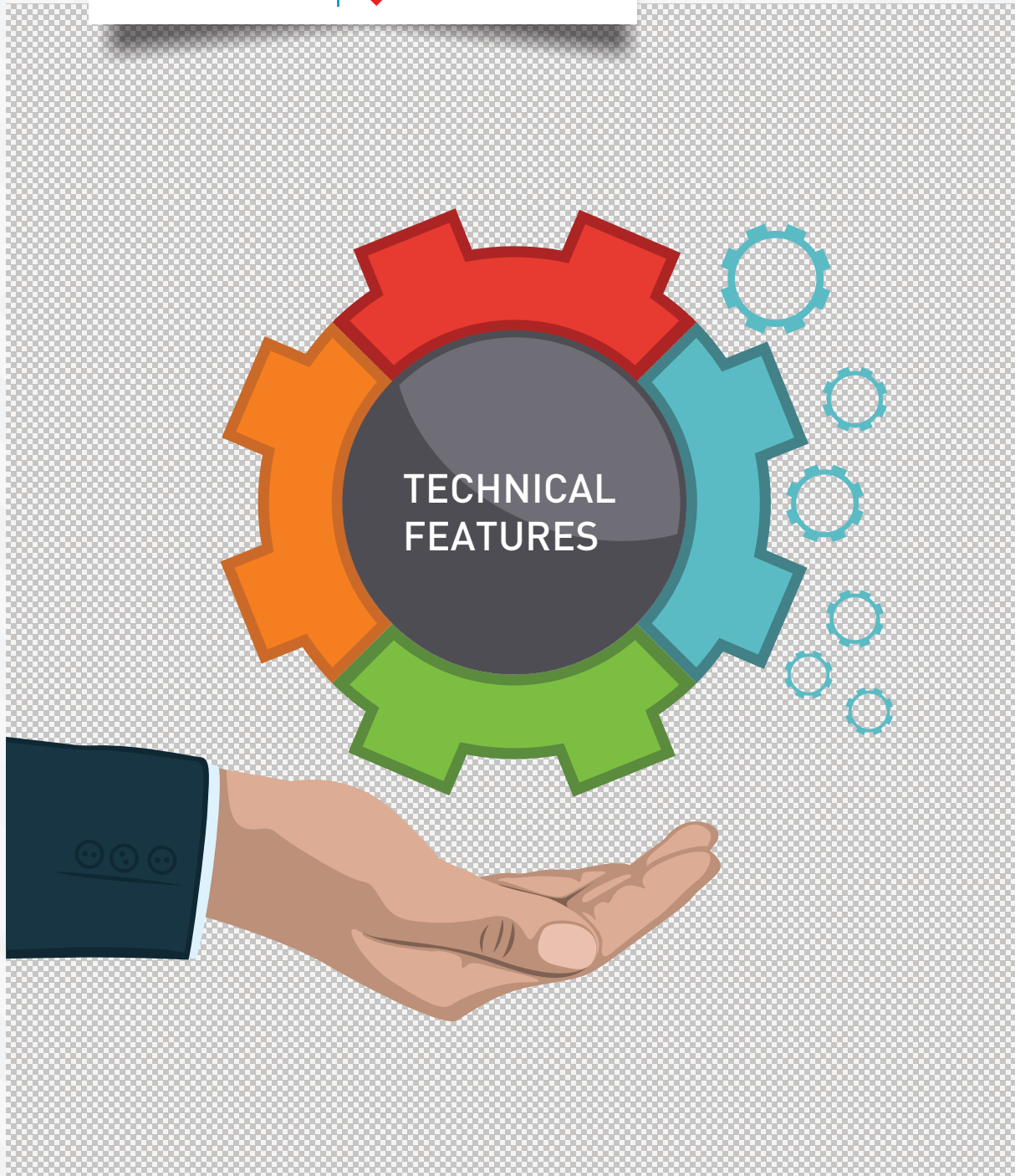
Thanks to its excellent engineering design, it has a higher cutting capacity than its competitors with the same saw size.

- **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.

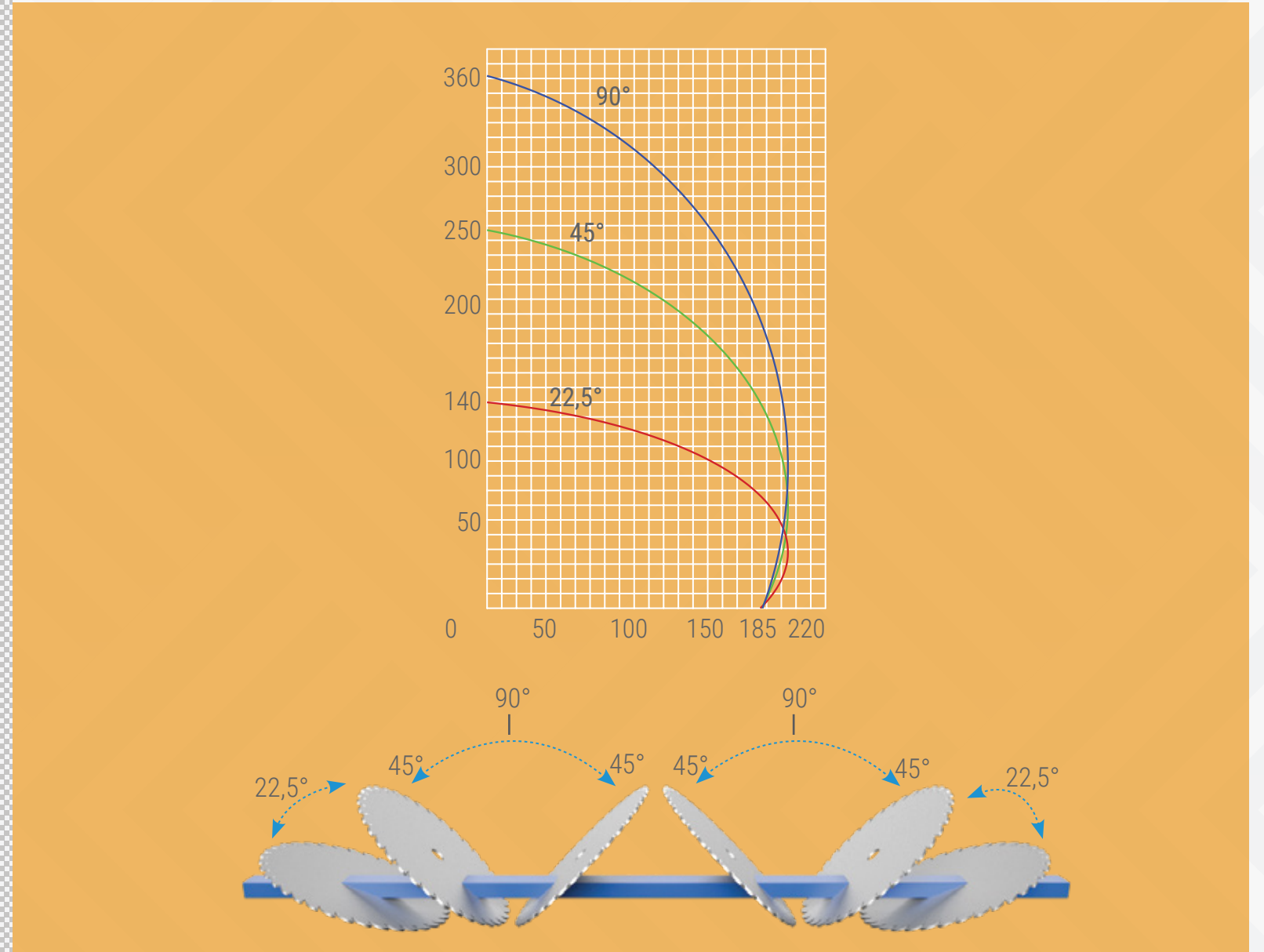
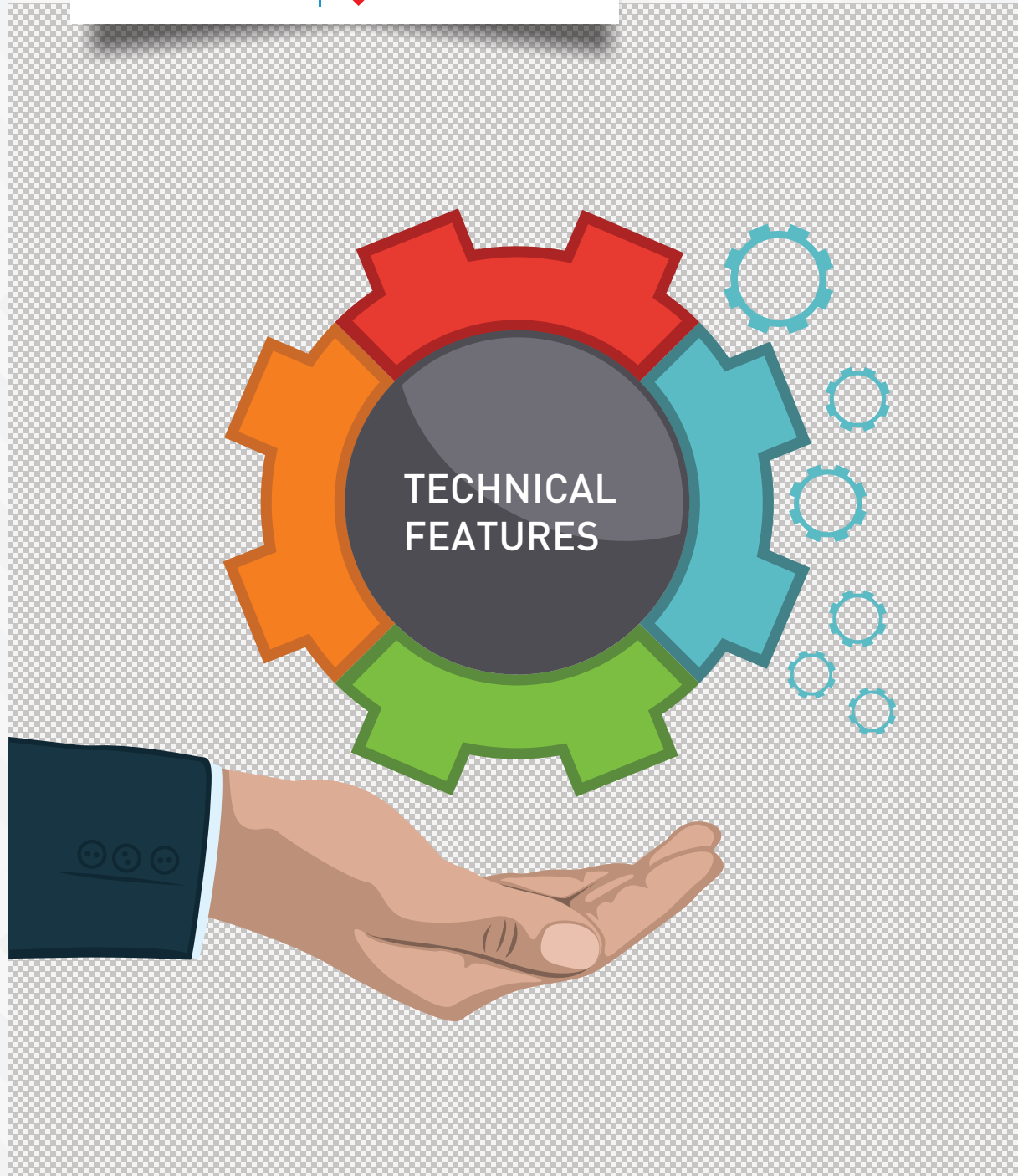
- **Slicing**

Thanks to servo-controlled axes, the ability to slice profiles when desired.

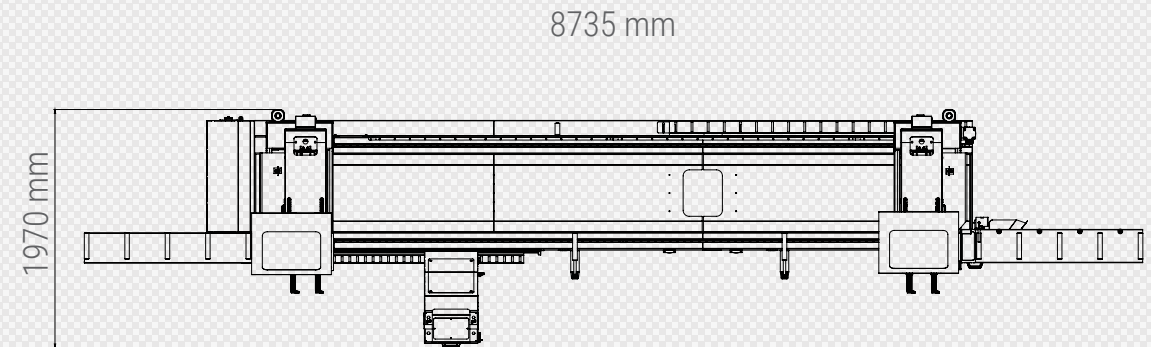
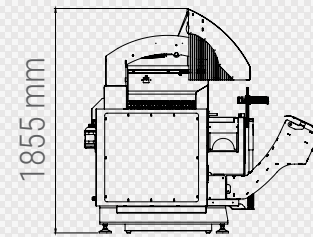
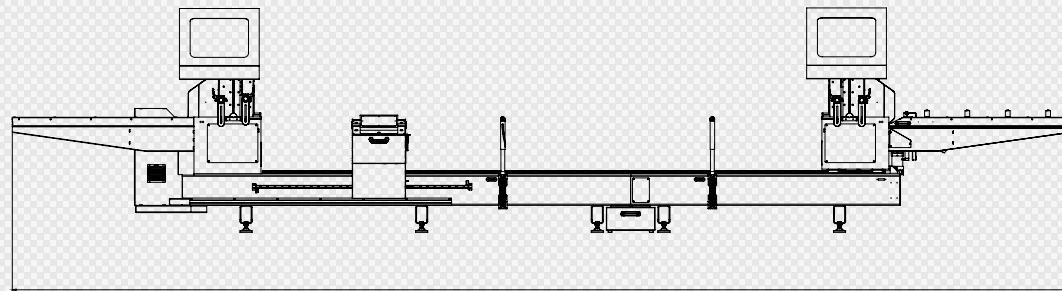


## FEATURES

3 axis servo controlled double head front blade saw with 550 mm saw blades GEMINI – V R is ideal for cutting aluminum and PVC profiles in various angles and thickness. GEMINI – V R provides rapid and automatic positioning of heads with servo control at any angles between  $-22.5^{\circ}$  and  $45^{\circ}$ . Double head GEMINI – V R enables simultaneous cutting of profile lengths from 480 mm to 5050 mm and eliminates barriers for cutting of 5050 mm and longer profiles. Safety is a topmost priority for GEMINI – V R together with the horizontal and vertical clamps along with profile support units which improve the cutting quality.



# LAYOUT





## AXIS TRAVEL

Servo controlled rotation axis of head	•
Rapid positioning of heads with servo control at any angles between	-22.5° and 45°
Hydro-pneumatic cutting feed adjustment	•
Minimum cutting length with double head (90°/45°)	480 / 720 mm
Maximum cutting length with double head (90°/45°)	5050 / 5050 mm
Maximum internal rotation angle	45°
Maximum external rotation angle	-22.5°

## POSITIONING SPEED

X axis positioning speed	40 m/min
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## AIR

Pressure	6 - 8 Bar
Consumption	70 L/min

## ELECTRICAL

Maximum power	9.1 kW
Voltage	400 V
Frequency	50-60 Hz

## OPERATIONAL AREA

Cemented carbide saw blade	2
Saw blade diameter	550 mm
Saw blade motor power	3kW - 4HP
Profile height measurement	•
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	•
Digital adjustment saw blade travel distance	•
Saw blade travel speed adjustment	•
Angular slicing	•
Barcode printer	•
Data transfer via remote network connection, Ethernet and USB	•
Control panel	10" Touch screen
Compatibility with powder suction system	•
Automatic chip extraction unit	○
Oz Machine Softcut (Cutting optimisation program)	○

• Standard    ○ Optional



# ***Power Of*** ***Double Head***

