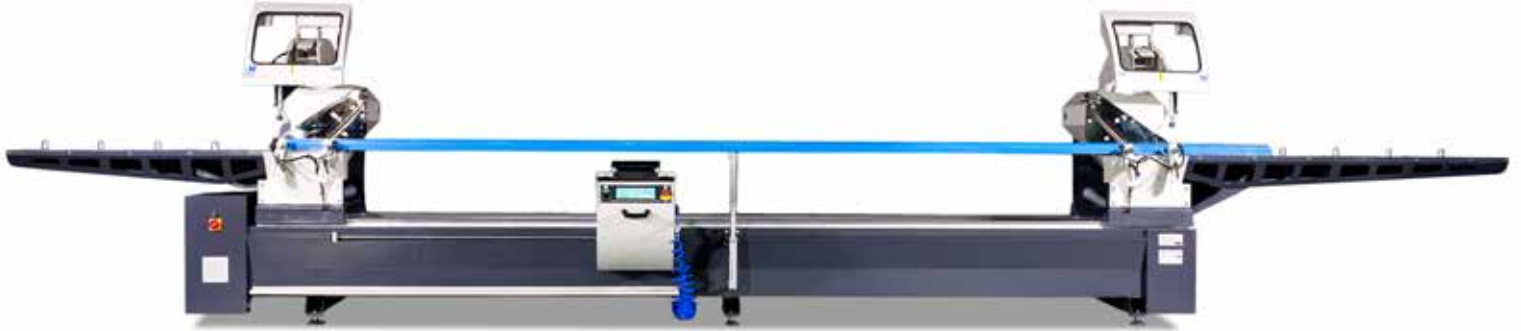


# GEMINI - V R

Full Automatic Digital Double Head Cutting Machine with Forward Motion Blade  $\varnothing$  550 mm



**The GEMINI - V R, which is a PLC controlled, Full Automatic Digital Double Head Cutting Machine with Forward Motion Blade of  $\varnothing$  550 mm, is designed and developed in line with user demands to meet the needs of professional workshop owners and those who are willing to become professionals.**



## 01

Heads with automatic positioning at all degrees between  $-22.5^{\circ}$  and  $+45^{\circ}$  with servo motion system allow for perfect cutting operation.



## 02

Double head GEMINI - V R enables simultaneous cutting of profile lengths from 360 mm to 4930 mm and eliminates barriers for cutting of 4930 mm and longer profiles.



## 03

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.



## 04

Maintenance of transmission elements is accomplished by the automatic lubrication system which is offered as a standard feature increasing the service life for accuracy in processes.

# GEMINI - VR

Full Automatic Digital Double Head Cutting Machine with Forward Motion Blade  $\varnothing$  550 mm



## FEATURES

Used for cutting processes of aluminum, plastic and wooden profiles.

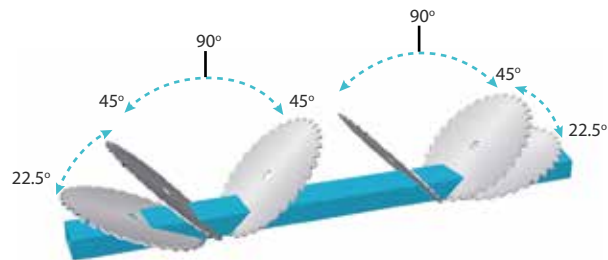
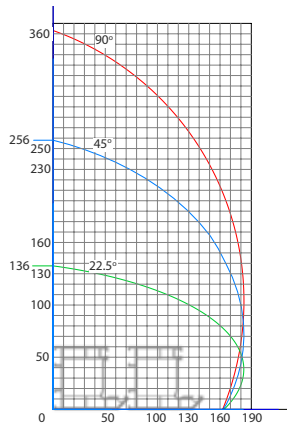
- » Hydro-Pneumatic cutting
- » Secure cutting by the cover equipped with a safety sensor
- » Automatic positioning at all degrees between  $-22.5^\circ$  and  $+45^\circ$  with servo motion system
- » Batch processing and precision cutting
- » Process programming and large memory
- » Batch profile slicing
- » Automatic horizontal clamps
- » Automatic size calculation for mold cutting
- » Touchscreen control panel
- » PLC control system
- » Automatic profile support unit
- » Ability to cut profiles longer than 4930 mm up to 8000 mm length with built-in conveyor

## OPERATIONAL EQUIPMENT

- »  $\varnothing$  550 mm saw blade (2 pcs) ●
- » Conveyor on fixed head ●
- » Conveyor on mobile head ●
- » Cooling system ●
- » Touchscreen ●
- » Pneumatic clamping system ●
- » Optimization system ●
- » Special control program ●
- » Pneumatic system maintenance unit ●
- » Automatic profile support unit ●
- » Automatic vertical clamps ○
- » Barcode system ○
- » Digital adjustment of saw blade travel distance ○

○ Optional

● Included



# GEMINI - V R

Full Automatic Digital Double Head Cutting Machine with Forward Motion Blade  $\varnothing$  550 mm



## PROFILE SIZES

Max. Profile Width and Height (22.5°)	160 mm x 75 mm
Max. Profile Width and Height (45°)	160 mm x 145 mm
Max. Profile Width and Height (90°)	160 mm x 205 mm
Min. Profile Length (with Double Head)	360 mm
Max. Profile Length (with Double Head)	4930 mm

## POSITIONING SPEED

X Axis (Lateral)	40 m/min
W Axis (Head rotation speed)	150°/sn

## CUTTING UNIT

Saw Blade Diameter	550 mm
Saw blade positioning	-22.5° / +45°
Saw Blade Motor Power	3 kW - 4 HP

## ELECTRICAL

Power	12.4 kVA
Voltage	400V 3N PE AC
Frequency	50-60 Hz

