

# GEMINI - X

Radial Double Head Cutting Machine Ø 550 mm - Automation with 3 Axis Servo Control

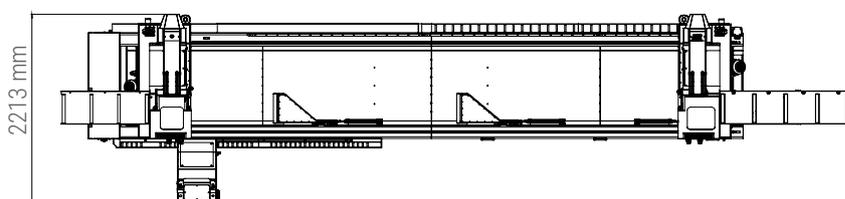
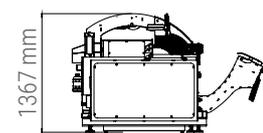
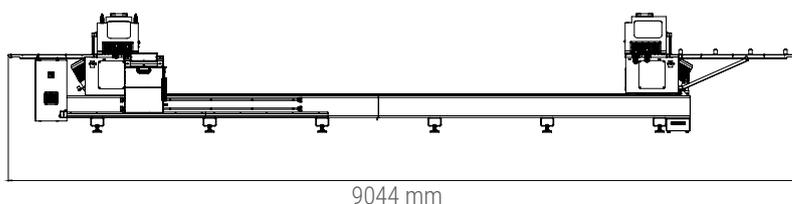
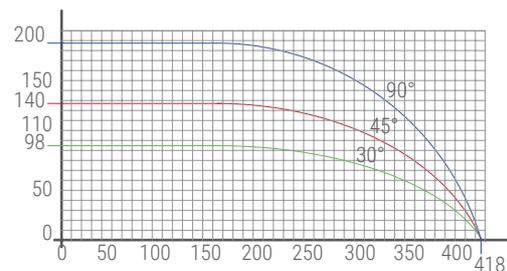
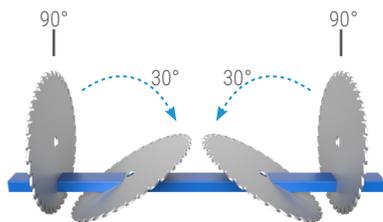


3 axis servo controlled radial double head cutting machine **GEMINI – X** is ideal for cutting aluminum and PVC profiles in various angles and thickness.

**GEMINI – X** is designed for cutting larger profiles. It provides rapid and automatic positioning of heads with servo control at any angles between 30° and 90°.

Double head **GEMINI - X** enables simultaneous cutting of profile lengths from 450 mm to 6000 mm and eliminates barriers for cutting of 6000 mm and longer profiles.

Safety is a topmost priority for **GEMINI – X** together with the horizontal and vertical clamps along with profile support units which improve the cutting quality.



# GEMINI - X

Radial Double Head Cutting Machine Ø 550 mm - Automation with 3 Axis Servo Control

## AXIS TRAVEL

Servo controlled rotation axis of head	•
Rapid positioning of heads with servo control at any angles between	30° and 90°
Hydro-pneumatic cutting feed adjustment	•
Minimum cutting length with double head (90°/45°)	450 / 450 mm
Maximum cutting length with double head (90°/45°)	6000 / 6000 mm
Maximum internal rotation angle	30°
Maximum external rotation angle	90°

## POSITIONING SPEED

X axis positioning speed	40 m/min
--------------------------	----------

## AIR

Pressure	6 - 8 Bar
Consumption	150 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
Optional length in X-axis	○
Cutting zone protection covers	•
Horizontal pneumatic clamps	•
Vertical pneumatic clamps	•
Manual intermediate profile support	•
Intermediate profile support (pcs)	3
Additional intermediate profile support	○
Roller conveyor on moving head	•
Fixed head conveyor	•
Cooling lubrication system	•
Digital adjustment saw blade travel distance	•
Saw blade travel speed adjustment	•
Slicing mode at 90°	•
Barcode printer	•
Data transfer via remote network connection, Ethernet and USB	•
Control panel	Windows based Industrial PC, touch screen
Compatibility with powder suction system	•
Oz Machine Softcut (Cutting optimisation program)	○

• Standard    ○ Optional