



# MRT 1967

## Aluminium Profile Cutting and Machining Center

MRT 1967 aluminium profile cutting and processing center can do all operations on four sides of aluminium profiles.

- 12 high-speed custom-made and air-cooled spindles are able to cut for all angles from 0° to 180° with 0.1° precision, by means of a servo axis-controlled.
- Standard Cutting Operations + V Cutting + 90 Degree Notch + Compound Angle Notch operations  
( Standard operations : Horizontal Line Operation, Single Hole Operation, Circle Operation, Rectangular Operation, Horizontal Capsule Operation , Cylinder Operation,
- Vertical Capsule, Head Upright Cylinder Operation, Head Downright Cylinder Operation, Vertical Line,Rectangle Milling Operation )
- 1x 650 mm and 1x 550 mm diameter saw.
- 3 axes and 360 rotatable gripper positioning.
- Automatic positioning clamps unit
- Automatic profile length recognition.
- Ability to load profiles in any size from 500 mm to 7500 mm for profile feeding unit.
- Equipped with an automatic lubrication system.
- A profile conveyor system with high precision.

- Remote Access.
- Vertical alignment system.
- Special milling tools for processing aluminium.
- Each clamps can adjust the pressure system.

Machine Features	
Axis of gripper	4 (X-Y-Z- $\alpha$ )
Turning degree of gripper	0-360°
Loadable profile length	7500 mm
Loadable profile number	6 – 7 pcs (depend on a profile width)
Number of saw blade	2 pcs
Up side saw blade dia	Ø650 mm
Near side saw blade dia	Ø550 mm
Total number of servo motor	24 pcs
Up side saw blade axis	3 (X-Y-Z- $\alpha$ )
Near side saw blade axis	3 (X-Y-Z- $\alpha$ )
Number of milling unit	12 pcs
Axis of milling unit	2 (X-Y)
Min loadable profile length	500 mm
Max profile processing height	250 mm
Max profile processing width	200 mm
Cooling unit	+
Special clamp for unstable profiles	+
Milling unit power	2,2 kw each
Saw blade motor power	4 kw each
Tool connection	ER25
RPM of the milling unit	12000 rpm
Machinable profile faces	Top, side, bottom faces
Cutting angle of up side saw blade	0-180°
Cutting angle of up near side saw blade	0-180°