

MAC-440 Profile Machining Center

PROFILE MACHINING CENTERS » MAC-440

- MAC 440 aluminum profile machining center is designed for milling, drilling, cutting and tapping of aluminium profiles in 4-axis.
- 4-Axis movement controlled by high-precision servomotors.
- 4000 mm (157.48 in.) standard processing length
- Water-cooled electric spindle (8 kW, (10.72 hp), /24000 rpm), with HSK F63 tool connection suitable for material removal processes during milling and drilling operations.
- Tool magazine which holds 6 tools.
- Automatic clamp recognition and clamp positioning.
- A-Axis processing between -120° to +120°.
- Windows 10 operating system.
- 19" led display screen.
- Hand held operator terminal.
- Thread cutting, flow drill and countersink operations.
- Easy to perform operations on the profile with the CAD – CAM program.
- Central lubrication system to ease machine maintenance.

OPTIONAL

- Rotating tool changer for 10 tools
- Water-cooled 11 kW, routing spindle
- 8500 mm machine processing length
- Barcode Reader (AK 002)

Technical Features :

• Traverse Path X-axis	4600 mm (181.10 in.), Vmax 120 m/min	9350 mm (368.11 in.), Vmax 120 m/min
• Traverse Path Y-axis	930 mm (36.61 in.), Vmax 60 m/min	930 mm (36.61 in.), Vmax 60 m/min
• Traverse Path Z-axis	625 mm (24.60 in.), Vmax 60 m/min	625 mm (24.60 in.), Vmax 60 m/min
• Max Machinable Length	4100 mm (161.41 in.)	8500 mm (334.64 in.)
• Tool Magazine	6 pcs (Optional 10 pcs)	10 pcs
• Max Milling Blade Diameter	150 mm (5.90 in.)	150 mm (5.90 in.)
• Number Of Standard Vices	4 pcs.	8 pcs
• Vices Positioning	Automatic Movement by Machine Head	Automatic Movement by Machine Head
• Number Of Stop References	2 Pneumatic	2 Pneumatic
• Power supply* :	400V, 3 ~, 50/60 Hz	400V, 3 ~, 50/60 Hz
• Spindle Motor Power	8 kW Up to 11 kW	8 kW Up to 11 kW
• Adjustable Electro Spindle Motor	0 - 24000rpm	0 - 24000rpm
• Tool Holder	HSK F63	HSK F63
• Operating Pressure	7 bar	7 bar
• Total Installed Power	12 kW	12 kW
• Machine Height	2300 mm (90.55 in.)	2300 mm (90.55 in.)
• Machine Length	6200 mm (244.09 in.)	11100 mm (437.00 in.)
• Machine Width	1800 mm (70.86 in.)	1800 mm (70.86 in.)

