

3+1 AXIS mini-CNC PROFILE MACHINING CENTER



MACHINE DESCRIPTION

Machine Type: CNC machine with 4-servo axis, PLC, 10" HMI touch panel, and a 2.2 kW 18,000 rpm spindle. **Materials Processed:** Aluminum profiles, PVC profiles, and light alloys.

Processing Dimensions: Capable of processing profiles within a size of 100 x 100 mm with a net processing size of 600 mm.

Reference Point: Initially manually positioned at 1,000 mm on the left; optionally available servo-controlled positioning at 1,500 mm.

Precision: Optional CNC-controlled reference point ensures precise profile placement without operator assistance.

Programming Interface: Super-user-friendly programming interface requiring no operator expertise. The operator selects the type of

operation (circle, rectangle, slot, drill) and enters processing size via the 10" HMI touch panel.

Customization: Customized for processing window and door profiles, including lock cases, handles, cylinders, water slots, barrels, etc.

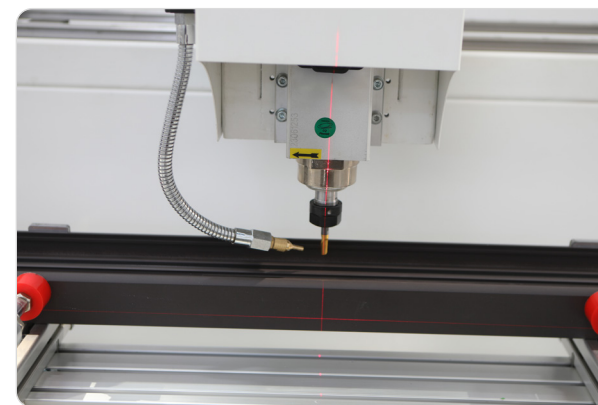
Processing Capacity: Ability to process from 3 surfaces of the profile thanks to table rotation by pneumatic cylinder.

Connection: Profiles are connected to the machine via pneumatic pistons.

Speed and Lubrication: High-frequency 18,000 rpm motor and spray lubrication unit for efficient processing. These features indicate a versatile CNC machine tailored for processing specific types of profiles with precision, ease of use, and efficiency.

Machine Dimensions

Net Length : 1200 (1500) x 1560 x 2040 mm.
Weight : 300 kgs.



Net Processing

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| X-Axis Net Processing Length | : 600 mm. |
| X-Axis Manual Reference Point Stroke | : 1.000 mm. |
| X-Axis Servo Controlled Reference Point Stroke | : 1.500 mm. |
| Y-Axis Net Processing Width | : 100 mm. |
| Z-Axis Net Processing Depth | : 100 mm. |
| X-Axis Travelling Distance | : 650 mm. |
| Y-Axis Travelling Distance | : 360 mm. |
| Z-Axis Travelling Distance | : 290 mm. |

