



||| AZA-45/ALIPLAST CNC milling machine



Technical features:

X-axis work zone	250 mm
Y-axis work zone	150 mm
Z-axis work zone	250 mm
Spindle power	2,2 kW
Spindle revolutions	5000-18000 rpm
Power	3,5 kW
Supply voltage	3x230V 50Hz
Mass	500 kg
Positioning accuracy	0,05 mm
Advance	Stepper motor/ball screw
Feed rate	Max 6000 mm/min
Max. tool diameter	10 mm

The AZA-45 CNC milling machine by Aliplast has been designed taking into account the needs of our Customers. It is a high-end CNC machine optimised for parameters for machining engineered profiles by Aliplast. However, the possibilities of the machine go beyond the processing of aluminium profiles: the milling machine can easily handle the machining of plastics, wood, wood-like products or even steel.

Design features:

- The structural frame of the milling machine is based on a rigid, robust structure made by welding materials of very high quality. The drive is implemented by ball screws driven by servo-step motors. Such a combination ensures high precision and machining accuracy. The supports are guided with linear trolleys with very high rigidity.
- The cooling system (oil mist) is controlled by software.
- The milling machine features a reliable spindle made in Italy, with the revolutions being controlled by an interface, with the possibility of variable rev speed control in the range of 8000-18000 rpm. Manual control with the so-called "rod" is also possible.
- The machine is provided with a sensor for measuring the height of the tool.
- The operator panel is connected to the machine using a flexible cable enabling its movement.
- The control panel features an industrial computer with an HMI touch panel.
- The milling machine is equipped with a pneumatic clamping system with adjustable clamping force to ensure rigid and secure fixing of the workpiece.
- With the use of side tables, it is possible to machine long profiles.
- Precision milling with high accuracy ensures repeatability and high machining quality.
- The machine is controlled by means of ISO G-codes and is also equipped with a USB port to import programs and machining tasks from portable memory.
- The machine is equipped with a wired manual controller to ensure precise machining in 3 axes.

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