

TKE 955

Machining Centres



Mobile gantry 5-axis CNC machining centre for drilling, milling and tapping, at any angle from -90° to +90°, on bars or workpieces in aluminium, PVC, lightweight alloys and steel up to a thickness of 2 mm. The mobile part of the machine is composed of a dual drive gantry on a high precision rack.

The local guarding cabin, made of technopolymer, has been designed to offer optimal functionality, accessibility, soundproofing and lighting while fulfilling safety and ergonomics requirements. Large glass windows allow the operator to monitor the machining operations being executed, as well as an easy access during cleaning and maintenance phases.

The inside of the cabin ensures the conveying of swarf into the collection system available at the base. The 11 kW electrospindle allows performing machining operations, even heavy-duty ones, with optimal results in terms of speed and precision.

The tool magazine integrated into the mobile gantry can house 10 tools; a second magazine features two special positions for a blade with a diameter of 400 mm and a second blade with a diameter of 180 mm. It features two different operating modes: the first, in single-area mode, allows machining entire bars having a maximum length of 7 m in a single work area; the second one, in tandem machining mode, allows machining several workpieces in the two different work areas. In the version with system for moving vices on H and P axes, it is possible to use the machine in dynamic tandem machining mode; this operating mode allows reducing machine downtimes to a minimum, since it allows the vices to be automatically set, in concurrent operation time, to the operation processes of the spindle in the opposite work area.

TKE955 is equipped with a laser scanner allowing the most precise and advanced control of the machine front access, raising safety and operator/machine interface standards. In tandem machining mode, the laser scanner allows programming asymmetrical work areas on X axis so that workpieces having different sizes can be machined by making use of 4 different set-ups, in order to increase machine operation flexibility.

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