



RP1000 CNC

CNC Head and block resurfacer

Equipped with a laser sensor that scans the surface of the heads and with a dedicated software, this machine is able to detect the profile of the head, process the data collected and automatically perform the resurfacing operations, while always managing the working parameters in an optimal way.

The main technical features that make the RP1000.CNC extremely practical and versatile are:

- ? The working range, which allows the surfacing of heads and engine blocks of both cars and industrial vehicles, all in relatively compact dimensions;
- ? The control panel that is adjustable and comes with electronical hanwheel and practical touch screen;
- ? The simple and intuitive machining program, which allows the memorization of several working parameters;
- ? The fully automatic working cycle;
- ? The milling cutter plate that mounts of specific insert holders for the high speed milling of both cast iron and aluminium surfaces and also for diesel heads with pre-chambers made of steel;
- ? The guard with sliding doors, whichc ensures work in total safety and cleanliness of the working area.



Standard equipment

Ball screw drive feed of table and head complete of speed adjuster
Ø 355 mm milling plate with CBN insert
Touch screen CNC control panel
Laser sensor for scanning workpiece
Surface profile graph
Fully automatic cycle
Database with preloaded working cycles and possibility to personalize them
Estimated cycle time
Safety guard with sliding doors
Pair of parallel supports
Large clamps (2 pcs.)
Small clamps (4 pcs.)
Oil for slides
Wrench set
Instruction manual

Specifications

Table travel: 1000 mm
Max working length: 820 mm
Max working width: 355 mm
Min - Max working height: 150÷545 mm
Useful table surface: 920x210 mm
Milling plate diameter: 355 mm
Spindle rotation speed: 50÷1500 mm/min
Variable table feed speed: 0÷1500 mm/min
Spindle motor: 2,2 kW
Table motor: 0.75 kW
Feed torque motor: 1.27 Nm
Dimensions (LxWxH): 1680x1300x1800 mm
Weight: 1015 Kg

Accessories

PVA015



Adjustable universal fixture with parallels

PV0015



Adjustable universal fixture with mounting plate

UT1320

3/8" CBN/PCD insert tool holder



UT1355

1/2" CBN Insert for cast iron



UT1356

1/2" PCD Insert for aluminium



UT1390

ALP insert tool holder for UT1392



UT1392

ALP insert for aluminum with prechambers



UT1330

1/2" CBN/PCD insert tool holder

