



RP1000

Head and block resurfacer

The RP1000 is a resurfacing machine for cylinder heads and blocks of cars and trucks, as well as for all flat surfaces requiring a finished and accurate mating surface.

All machine parts, like the base, the table, the column and the head are made of widely ribbed cast iron of the best quality, thereby offering highly rigid and sturdy features.

The table feed is operated through a recirculating-ball screw that is extremely precise even at slow feed speeds.

A frequency inverter controlling the screw is attached to the motoreducer to offer different speed feed that can be widely adjusted with a potentiometer.

Another inverter adjusts the spindle speed, in order to get the ideal cutting speed at all times and according to the different cutting systems, like abrasive sectors for the grinding of cast iron or aluminium cylinder heads with pre-chambers, the tool for aluminium resurfacing or the CBN-PCD toolholder plate for high-speed resurfacing.

A conveniently located digital display shows the rotation speed.

For an easy and safe use of the machine, all control commands are located on a rotating control panel that can be adjusted to every operator. Moreover, in order to supply an efficient product, the machine's standard equipment includes the rapid movement of the head, an efficient cooling system complete with a settling tank, and a wheel dressing assembly with diamond dresser.

Useful accessories are also available upon request, such as the adjustable set-up fixture for cylinder heads, the V-block mounting kit, the rotating backing pad for the grinding of flywheels, clutch friction plates or brake discs.

Images may show the product equipped with optional accessories



Standard equipment

Adjustable spindle speed complete with digital read-out
Adjustable table feed
Table with recirculating-ball screw
Fast motorized head feed
Manual/Continuous/Automatic working modes
Turning control panel
Splash and safety guard with polycarbonate shield
Pair of parallel supports with clamps
Lubricant for slides
Wrench set
Instruction manual

ONLY GRINDING VERSION:

Ø 355mm Grinding wheel complete of segments for cast iron (10 pcs.) and cutting tool
Cooling plant complete with pump and settling tank
Grinding wheel dresser
Emulsifiable liquid

ONLY M VERSION:

RP1361 CBN/PCD/ALP Milling plate
UT1330 1/2"CBN/PCD insert tool holder
UT1355 1/2" CBN Insert for cast iron

Specifications

Table travel: 1000 mm
Max workpiece length: 895 mm
Max workpiece width: 355 mm
Min - Max workpiece height: 125÷545 mm
Useful table surface: 920x210 mm
Segmented grinding wheel diameter: 355 mm (14")
Variable head speed rotation: 300÷1500 rpm
Variable table travel speed: 0÷1500 mm/min
Head motor: 4.0 kW (M 2.2 kW)
Table motor: 0.75 kW
Fast head feed motor: 0.18 kW
Coolant pump motor: 0.10 kW
Dimensions (LxWxH): 1680x1140x1850 mm
Weight: 1015 kg

Accessories



PVA015

Adjustable universal fixture wit parallels

PV0015

Adjustable universal fixture with mounting plate



PL000A

Motor driven rotary table





RP1361

CBN/PCD/ALP Milling plate dia. 355 mm (14")

UT0018



Aluminum with Pre-chamber insert tool holder

UT0023



3/8" CBN/PCD insert tool holder

UT0017



Insert tool holder with UT0014

UT0014



Replacement insert for UT0017 (10 pcs)

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



UT1345
3/8" CBN Insert for cast iron

UT1346

3/8" PCD Insert for aluminium

