

- PLC control system
- 405 mm (16") Segmented Grinding wheel
- Ball Screw Driven Variable Speed Table
- Ball Screw Driven, Vertical Movement
- Variable head spindle speed



PWS 1200



VGP 1200



PTR 1600XLH



HBM 810



CYLINDER HEAD AND BLOCK RESURFACING MACHINE

RECTIFICADORA PARA CULATAS Y BLOQUES DE MOTOR

RETTIFICATRICE PER TESTATE E MONOBLOCCHI MOTORE

RECTIFIEUSE DE CULASSES ET BLOCS-MOTEURS



CARMEC SG 1400 SURFACE GRINDING AND MILLING MACHINE FOR CYLINDER HEADS AND BLOCKS

The all new SG 1400 is heavily constructed cast iron machine for today's automotive high performance shops.

Now you can resurface all popular cast iron, aluminium, diesel Cylinder heads with steel pre-combustion chambers and Blocks at full grinder speeds in a reduced processing times.

Well tested solution as the rigid cast iron base and the table slides on prismatic guides at continuous lubrication.

Infinitely variable table traverse producing the exact surface finish desired for the wide range of gasket materials used.

Belt driven precision Ball Screw ensures smooth operation and more constant speed even at slow feed.

The spindle motor rotates at variable speed controlled by inverter (Siemens SINAMICS V20)

A user friendly control commands are located on a swing arm control panel and includes the rapid power feed of the head. Commands allows for operation in manual, semi-automatic, and programmable automatic modes.

STANDARD EQUIPMENT

- Low voltage electric controls (24V)
- Ball Screw Driven Variable Speed Table
- Power Column with Ball Screw
- Motorized raise and lower of the grinding head
- Variable head spindle speed with digital read-out
- 16" (405 mm) Grinding wheel with 10 grinding segments.
- Brazed tip milling tool for aluminium
- Manual / Auto Return / Continuous working cycle
- Grinding wheel dresser
- Dial Depth Indicator
- Cooling system complete of pump and cooling tank
- Swing arm control panel
- Safety guard with polycarbonate shield
- Automatic Central Lubrication System
- Pair of parallel supports
- Large + Small clamps (2+2 pcs.)
- Grinding wheel extractor
- Grinding wheel balancing arbor
- Oil for slides (1 lt.)
- Emulsible fluid (1 lt.)
- Wrench set
- Instruction manual
- Painted with standard grey colours RAL 7040 and RAL 7015.
Extra charge for other colours available upon request.

RECOMMENDED EQUIPMENT

- AC1400 - Splash and Safety guard with sliding doors confirming CE
- HF5035 - Adjustable universal support for heads (with parallels)
- HF5045 - Adjustable universal support for heads (with steel plate) complete of 2 adjustable jacks
- FX9060 - V-Block adjustable universal fixture



Sliding doors protection - OPTIONS TO BE ORDERED WITH THE MACHINE



Segmented grinding wheel and tool



Grinding wheel dresser



Cooling system complete of pump and tank



Control panel



Electric control

SPECIFICATIONS

Useful table surface	1300 x 310 mm
Table travel	1420 mm (56")
Max. working length	1220 mm (48")
Max. workpiece width	405 mm (16")
Min. - Max. workpiece height	115 - 800 mm (4½" - 31½")
Grinding Wheel diameter	405 mm (16")
Distance column - worktable center	315 mm (12,4")
Variable Spindle speed	500 - 1350 RPM
Variable table feed speed	0 - 1500 mm/min.
Spindle Motor	4,2 kW (5,6 HP)
Head rapid feed motor	0,18 kW (0,24 HP)
Table Drive Motor	0,75 kW (1 HP)
Total power	5,1 kW (6,85 HP)
Voltage - Hz - phases	400V - 50Hz - 3ph 230V - 60Hz - 3ph
Machine Dimensions (LxWxH)	2560x1370x2050 mm 101x54x80"
Weight machine (unpacked)	1640 kg (3615 Lbs)
Machine Shipping Weight	1950 kg (4300 Lbs)
Shipping Dimensions (LxWxH)	2750x1450x2250(h) mm
Seaworthy wooden box packing	108x57x88(h)"

Specifications and design are subject to change without notice.
Measurements, weights and versions not binding.

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AUTOMOTIVE MACHINE TOOLS



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