

- 405 mm (16") CBN Milling Head
- Ball Screw Driven Variable Speed Table
- Ball Screw Driven, Vertical Movement
- Variable head spindle speed



PWS 1200



VGP 1200



PTR 1600XLH



HBM 810



CBN-PCD CYLINDER HEAD AND BLOCK RESURFACING MACHINE

CBN-PCD RECTIFICADORA PARA CULATAS Y BLOQUES DE MOTOR

CBN-PCD SPIANATRICE PER TESTATE E MONOBLOCCHI MOTORE

CBN-PCD SURFACEUSE DE CULASSES ET BLOCS-MOTEURS

CARMEC SG 1400M BLOCK AND HEAD SURFACER

The all new SG 1400M is built to meet the standards of today's high performance shops and it's also an affordable addition to any machine shop.

Now you can resurface all popular cast iron, aluminium, diesel Cylinder heads with steel pre-combustion chambers and Blocks at full grinder speeds (without coolants) in a reduced processing times

Well tested solution as the rigid cast iron base and table incorporate flat and V-shaped way design, machined directly on the basement, assures accurate parallelism and side-to-side tracking.

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.

Cast iron "box" type columns with dove tail ways and precision ball screw drive feed make the SG 1400M durable and accurate machine.

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

The SG 1400M is supplied, as standard equipment with the big 16" CBN-PCD Milling Head that glides up and down our power column complete with Auto Return Cycle.

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.

As option, useful accessories are available like the Adjustable fixture for Cylinder Heads and V-block mounting kit.



Ball screw drive feed of table and head



Table and Spindle Variable speed controlled by two inverter Siemens SINAMICS V20



405 mm (16") CBN-PCD Milling Plate



Control panel

STANDARD EQUIPMENT

- Low voltage electric controls (24V)
 - Ball Screw Driven Variable Speed Table
 - Power Column with Ball Screw
 - Motorized raise and lower of the milling head
 - Variable head spindle speed with digital read-out
 - 16" (405 mm) CBN / PCD Milling plate
 - Manual / Auto Return / Continuous working cycle
 - Depth Indicator Assembly complete of dial gauge
 - 3/8 (9,52mm) Tool holder Cartridge
 - 3/8" CBN insert
 - Swing arm control panel
 - Safety guard with polycarbonate shield
 - Automatic Central Lubrication System
 - Pair of parallel supports
 - Large + Small clamps (2+2 pcs.)
 - Oil for slides (1 lt.)
 - Wrench set
 - Instruction manual
- Painted with standard grey colours RAL 7040 + RAL 7015
Extra charge for other colours available upon request.



Electric control

RECOMMENDED EQUIPMENT

- Adjustable universal support for heads (with parallels)
- Adjustable universal support for heads (with steel plate), complete of 2 adjustable jacks
- V-Block adjustable universal fixture

SPECIFICATIONS

Useful table surface	1300 x 310 mm
Table travel	1420 mm (56")
Max. working length	1200 mm (47 1/4")
Max. workpiece width	405 mm (16")
Min. - Max. workpiece height	115 - 800 mm (4 1/2" - 31 1/2")
Milling plate diameter	405 mm (16")
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	5,0 kW (6,85 HP)
Voltage - Hz - phases	400V - 50Hz - 3ph
	230V - 60Hz - 3ph
Machine Dimensions (WxDxH)	2600x1250x2050 mm
	102x49x80"
Weight machine (unpacked)	1480 kg (3265 Lbs)
Machine Shipping Weight	1950 kg (4290 Lbs)
Shipping Dimensions (WxDxH)	2750x1280x2300 mm
Seaworthy wooden box packing	108x50x90"

Specifications and design are subject to change without notice.

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