

- SIEMENS Touch Screen CNC Control Panel
- 405 mm (16") CBN Milling Head
- Ball Screw Driven Variable Speed Table
- Ball Screw Driven, Vertical Movement
- Variable head spindle speed

PTR 1600XLH



PWS 1200



HBM 810



VGP 1200



CNC CYLINDER HEAD AND BLOCK RESURFACING MACHINE

RECTIFICADORA CNC PARA CULATAS Y BLOQUES DE MOTOR

SPIANATRICE CNC PER TESTATE E MONOBLOCCHI MOTORE

SURFACEUSE CNC DE CULASSES ET BLOCS-MOTEURS

CARMEC SG 1400 CNC HEAD AND BLOCK SURFACER

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

The fully-automatic working cycle thanks to machining program with several working parameters.

Touch Screen Control allows simple programming for any workpiece such as programmable downfeed with multiple passes, depth of cut, total material removed, speeds and feeds.

SIEMENS SIMOTICS Servomotor and SINAMICS Servo Drive System.

Now you can resurface all popular cast iron, aluminium, diesel Cyl-inder heads with steel pre-combustion chambers and Blocks at full milling 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 de-sired 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 1400 CNC durable and accurate machine.

The spindle motor rotates at variable speed controlled by SIEMENS inverter.

Metric and American Modes – easily select between Metric and American display modes.



Ball screw drive feed of table and head



Table and Spindle Variable speed controlled by two inverter Siemens SINAMICS G120C



405 mm (16") CBN-PCD Milling Plate



SIEMENS Touch Screen CNC Control Panel



Laser Sensor for scanning the head surface



Electronic handwheel

STANDARD EQUIPMENT

- Swing arm Touch Screen CNC Control Panel
- SIEMENS Head servo-motor controlled by CNC
- Electronic Handwheel
- Laser Sensor for scanning the head surface
- Surface Profile Graph
- Programmable length of workpiece
- Fully-automatic working cycle
- Ball Screw Driven Variable Speed Table
- Power Column with Ball Screw
- Fast Up and Down of milling head
- Variable head spindle speed with digital read-out
- 16" (405 mm) CBN / PCD Milling plate
- 3/8 (9,52mm) Tool holder Cartridge
- 3/8" CBN insert
- Splash and Safety guard with sliding doors confirming CE
- 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 and RAL 7015.
Extra charge for other colours available upon request.

RECOMMENDED EQUIPMENT

- HF5035 - Adjustable universal support for heads (with parallels)
- HF5045 - Adjustable universal support for heads (with steel plate)
- FX9060 - V-Block adjustable universal fixture

SPECIFICATIONS

Useful table surface	1300 x 310 mm
Table travel	1420 mm (56")
Max. working length	1220 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	300 - 1200 RPM
Variable table feed speed	0 - 1500 mm/min.
Spindle Motor	4,2 kW (5,6 HP)
SIEMENS Head feed Servo motor	0,75 kW (1 HP) - 2,4 Nm
Table Drive Motor	0,75 kW (1 HP)
Total power	5,0 kW (7,5 HP)
Voltage - Hz - phases	400V - 50Hz - 3ph
	230V - 60Hz - 3ph
Machine Dimensions (WxDxH)	2600x1250x2050 mm
	102x49x80"
Weight machine (unpacked)	1580 kg (3485 Lbs)
Machine Shipping Weight	1950 kg (4290 Lbs)
Shipping Dimensions (WxDxH)	2740x1440x2250 mm
Seaworthy wooden box packing	108 x 56 x 89 inches

Specifications and design are subject to change without notice.



Electric control

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