



VGP 1200



SG 1400M



PTR 1600



HBM 810



**CBN / PCD SURFACE MILLING MACHINE FOR CAST IRON AND ALUMINIUM**

**SPIANATRICE A BANDIERA PER TESTATE IN ALLUMINIO O GHISA**

**CBN / PCD PLANFRÄSMASCHINE FÜR ZYLINDERKOPF UND MOTORBLOCK**

**RECTIFIEUSE SURFACEUSE DE CULASSES POUR ALUMINIUM ET FONTE**

**RECTIFICADORA DE SUPERFICIES PLANAS DE CULATAS & BLOQUES**

# SWING HEAD CBN / PCD SURFACE MILLING MACHINE

- The SG 330M resurfer is designed for precision milling of any engine head with CBN or PCD round insert.
- A handy small CBN/PCD milling machine suitable for resurfacing cylinder heads and engine blocks of passenger cars and light trucks whether in aluminium or cast iron.
- The range of 4 - 6 cylinder car engines can be covered with this machine.
- The machine is also suitable for grinding engine flywheels with optional motor-driven rotary table and the special clamping fixtures.
- The variable speed of CBN/PCD Milling head and Head feed by two frequency inverters.
- With automatic variable speed feed of wheel head in horizontal movement and manual in vertical movement.
- Stationary table with traversing wheel head.
- CBN/PCD Milling plate converts surfacing machine to today's technology. Now you can resurface cast iron, aluminum and diesel heads with steel pre-combustion chambers at full speeds without coolants, leaving an incredible finish. This eliminates time consuming grinding sludge cleaning and easily meets gasket manufacturers specs for new bi-metal engines.

## STANDARD EQUIPMENT

- Low voltage electric controls (24V)
- Variable speed of milling head, complete of digital display
- Variable speed of head feed
- CBN / PCD Milling plate Ø 330mm (13")
- Special cartridge toolholder for CBN round insert, Ø 9,52mm (3/8")
- 9,52mm (3/8") CBN round insert for high speed milling on cast iron
- 2 parallel supports 352 x 140(h) mm
- Set of bolts, nuts and fixing brackets
- Metal base cabinet
- Horizontal Adjustment Leveling Pads
- Steel safety guard with shield
- Set of service tools
- Instruction manual
- Painted with standard grey colours RAL 7035 and RAL 7015
- Extra charge for other colours available upon request.



MILLING PLATE WITH CBN INSERT



INSERT HOLDER CARTRIDGE COMPLETE WITH CBN INSERT



CBN SURFACE



ADJUSTABLE UNIVERSAL FIXTURE FOR HEADS



MOTOR DRIVEN ROTARY TABLE



ELECTRIC CABINET

- The round cutter bit can be rotated to expose 50 cutting edges before re-sharpening is required.
- Rugged cast iron base and work head with precision guides assures accurate machining of heads and blocks.
- The SG 330M is equipped with a safety guard with metal shield, according to CE standards.
- A must for shops committed to meeting today's strict surface finish requirements!
- Along with all our other features make the SG 330M an industry best value.



CONTROL PANEL



Head Feed and Spindle Variable speed controlled by two inverter Siemens SINAMICS V20

## OPTIONAL EQUIPMENT, ACCESSOIRES AND SPARE PARTS

- Dia. 355 mm (14") CBN/PCD Milling Plate including Insert Holder Cartridge, without CBN/PCD
- Toolholder cartridge for 9,52mm (3/8") CBN or PCD round insert
- Toolholder cartridge for 9,52mm (3/8") Gold coated Insert
- 9,52mm (3/8") Double side CBN round insert for cast iron
- 9,52mm (3/8") PCD round insert for aluminium
- (9,52mm (3/8") Gold coated round insert for aluminium cylinder heads with steel pre-combustion chamber
- Adjustable universal support for heads (recommended equipment)
- Permanent magnetic table of any size (on request)

## SPECIFICATIONS

Table surface	295 x 750 mm
Distance table to grinding wheel (min-max)	125-340 mm
Grinding wheel vertical travel	205 mm
Milling plate diameter	330 mm (13")
Max. Surface Machined (Tool or wheel)	700x180 / 600x225 / 500x260 400x285 / 350x300 mm
Variable head rotation speed	600-1460 RPM
Variable automatic head travel feed	mm / min 75 ÷ 150
Spindle Motor	2,60 kW
Feed motor power (Head movement)	0,12 kW
Coolant pump motor power	0.11 kW
Voltage - Hz - phases	220/240V - 50/60Hz - 1ph
Dimensions (WxLxH)	1100x1100x1560(h) mm
Dimensions with packing	1200x1200x1550(h) mm
Approx. weight unpacked	430 kg
Approx. weight with packing	550 kg

Specifications, Standard & Optional Equipment Are Subject To Change Without Notice  
Voltage / frequency / phase must be advised at the time the order is placed

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AUTOMOTIVE MACHINE TOOLS



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