



# CARMEC

## SG 330



PWS 900



VGP 1200



PTR 1600



HBM 810



**SWING HEAD SURFACE GRINDING & MILLING MACHINE**

*SPIANATRICE A BANDIERA PER TESTATE IN ALLUMINIO O GHISA*

**ZYLINDERKOPFPLANDREH UND SCHLEIFMASCHINE**

*RECTIFIEUSE SURFACEUSE DE CULASSES POUR ALUMINIUM ET FONTE*

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

## SWING HEAD SURFACE GRINDING & MILLING MACHINE

- The SG 330 traditional surface grinder is designed for precision grinding and flycutting of any engine head with tool or segmental wheel.
- A handy small grinding & 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 and brake discs with optional motor-driven rotary table and the special clamping fixtures.
- With automatic feed of wheel head in horizontal movement and manual in vertical movement. Stationary table with traversing wheel head.
- Rugged cast iron base and work head with precision guides assures accurate machining of heads and blocks.
- Possibility of dry cutting or wet grinding.
- The SG330 is equipped with a splash guard, coolant pump unit and feed tank for wet surface grinding with coolant fluid.
- Along with all our other features make the SG 330 an industry best value.

### SPECIFICATIONS

Table surface	295 x 750 mm
Distance table to grinding wheel (min-max)	125-340 mm
Grinding wheel vertical travel	205 mm
Grinding wheel diameter	330 mm
Max. Surface Machined (Tool or wheel)	700x180 / 600x225 / 500x260 400x285 / 350x300 mm
Grinding wheel rotation speed	900-1400 RPM
Automatic feed motor speed	190 mm/RPM
Wheel head motor power	1,3 - 0.55 kW
Feed motor power (Head movement)	0,12 kW
Coolant pump motor power	0.11 kW
Voltage - Hz - phases	400V - 50Hz - 3ph 230V - 60Hz - 3ph
Dimensions (WxLxH)	1100x1100x1560(h) mm
Dimensions with packing	1200x1200x1550(h) mm
Weight	430 kg
Weight with packing	550 kg

Specifications are subject to change without notice.

### STANDARD EQUIPMENT

- Low voltage electric controls (24V)
- Grinding segment plate complete of 8 grinding segments for cast iron
- Puller for grinding segment plate
- Head resurfacing tool for aluminium 12x70 mm
- 2 parallel supports 352 x 140(h) mm, complete with screws and small clamping blocks
- Set of screw, nuts, clamps and keys
- Wheel dressing unit
- Diamond dresser for grinding wheel
- Metal base cabinet
- Splash guard with protection
- Coolant system with electric pump and settling tank
- Set of service tools
- Instruction manual
- Painted with standard grey colours RAL 7040 and RAL 7015.
- Extra charge for other colours available upon request.



SEGMENTED GRINDING WHEEL AND TOOL



WHEEL DIAMOND DRESSER



ADJUSTABLE UNIVERSAL SUPPORT FOR HEADS

### OPTIONAL EQUIPMENT

- Wheel dressing diamond
- Head resurfacing tool for aluminium
- Tool with round replaceable tip for aluminium
- Tool with round replaceable gold coated insert for alum. + pre-chambers
- Tool with round replaceable 3/8" CBN/PCD insert for high speed milling.
- Set of 8 grinding segments for CAST IRON
- Set of 8 grinding segments for STEEL
- Set of 8 grinding segments for ALUMINIUM + STEEL PRE-CHAMBERS
- Adjustable universal support for heads
- Motor-driven rotary table for grinding clutch pressure plate and engine flywheels
- Permanent magnetic table of any size (on request)



ALUMINIUM HEAD RESURFACING WITH TOOL



WET SURFACE GRINDING WITH COOLANT FLUID



ALUMINIUM + STEEL PRE-CHAMBERS HEAD RESURFACING

## AUTOMOTIVE MACHINE TOOLS

CARMEC d.o.o.  
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5291 Miren  
SLOVENIA



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