



SERDI

SG 330

Machine designed to mill and grind cylinder head planes and small engine blocks in aluminum or cast-iron.

The swinging head covers most of 4 to 6 cylinder car engines. Coolant system with electric pump and settling tank available



The SG 330 traditional surface grinder is designed for precision grinding and flycutting of any engine cylinder head with tool or segmental wheel.

A handy small grinding and milling machine suitable for resurfacing cylinder heads and engine blocks of passenger cars and light trucks whether in aluminium or cast iron.

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.

Available as SG 330 M or SG 330 U.

TECHNICAL FEATURES

Dimensions

Length	mm / inch	1100/43.3
Width	mm / inch	1100/43.3
Height	mm / inch	1560/61.4

Grinding wheel

Vertical travel	mm / inch	205/8
Diameter	mm / inch	330/13
Rotation speed	rpm	600-1460

Motor Power

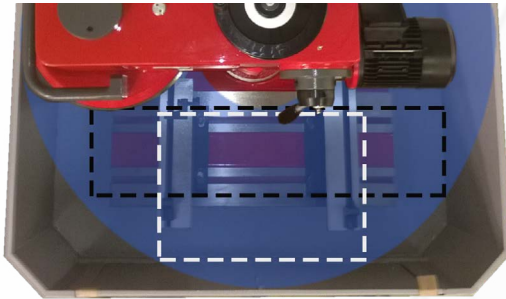
Wheel head motor power	kW	2.6
Feed motor power	kW	0.12
Coolant pump motor power	kW	0.11

Table surface

mm / inch	295 x 750 / 11.6 x 29.5
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Max surface machined (tool or wheel)

mm: 700x180 / 600x225 / 500x260 / 400x285 / 350x300
 inch: 27.6x7 / 23.6x8.6 / 19.7x10.2 / 15.7x11.2 / 13.7x11.8



Distance table to grinding wheel (min - max)

mm / inch	125 - 340 / 4.9 - 13.4
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Connections

Power supply	4kVA-3x400V-AC+PE-50/60Hz or 4kVA-3x230V-AC+PE-50/60 Hz	
Net weight	kg / lbs	430 / 947
Net weight with packing	kg / lbs	550 / 1212

OPTIONAL EQUIPMENT

- Adjustable universal tilting-
fixture

For cylinder heads, to fit heads
with sides non parallels to the
fire deck.



SG 330 M EQUIPMENT

- Two speed inverters
- Milling plate
- 9.52 mm (3/8") tool holder cartridge for CBN/PCD
- 9.52 mm (3/8") double sided CBN insert for cast iron
- 9.52 mm (3/8") PCD insert
- Low voltage electric controls (24V)
- 2 parallel supports 352 x 140(h) mm, complete with screws and small clamping blocks
- Set of screw, nuts, clamps and keys



Milling plate with CBN /PCD
inserts



Two speed inverters

SG 330 U EQUIPMENT

- Two speed inverters
- Milling plate
- 9.52 mm (3/8") tool holder cartridge for CBN/PCD
- 9.52 mm (3/8") double sided CBN insert for cast iron
- 9.52 mm (3/8") PCD insert
- Low voltage electric controls (24V)
- Grinding segment plate complete with 8 grinding segments**
- 2 parallel supports 352 x 140(h) mm, complete with screws and small clamping blocks
- Set of screw, nuts, clamps and keys
- Splash guard with protection**
- Coolant system, electric pump and settling tank**




Grinding segment plate



Wet surface grinding


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