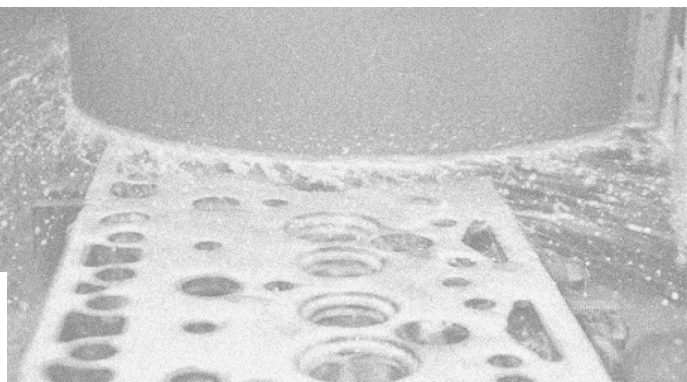


## GRINDING MACHINES



# SG 1400 M



**Milling plate  
diameter**  
405 mm  
16"



**Spindle speed**  
500 to 1350 rpm



**Table travel**  
1420 mm  
56"



Automotive



Heavy duty

Machine built to meet the standards of today's high performance shops.

You can now 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.



# 40

**YEARS AND MORE  
OF EXPERTISE**



**ADVICE &  
SERVICE**

**WORLD CLASS TECHNOLOGY**

## STANDARD EQUIPMENT



### MILLING PLATE

The 405 mm (16") diameter milling plate allows mounting of Ø9,52 mm (3/8") or Ø12,70 mm (1/2") circular inserts. The inserts can be CBN for cast iron machining or PCD for aluminum machining.



### CONTROL PANEL

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 / Auto Return / Continuous working cycle.



### SIEMENS VARIABLE FREQUENCY DRIVES

The ballscrew moving the table, and the motor rotating the tool are both powered by Siemens SINAMICS V20 inverters.



### FIXTURE

A pair of parallel supports as well as clamping bolts are supplied as standard on the machine. Those are particularly adapted for flat cylinder heads. Other fixtures on request.

## TECHNICAL SPECIFICATIONS

### MACHINE DIMENSIONS

**Width :** 2600mm - 102"

**Depth:** 1250 mm - 49"

**Height :** 2050 mm - 80"

**Required floor space (WxDxH):** 4000x1150x2100mm-158x45x83"

**Net weight approx. :** 1480 Kg - 3265 lbs

### SPEED AND POWER

**Variable Spindle speed:** 500 to 1350 rpm

**Variable table feed speed:** 0 to 1500 mm/min

**Spindle Motor power :** 4,2 kW - 5,6 HP

**Head rapid feed motor power :** 0,18 kW - 0,24 HP

**Table Drive Motor power :** 0,75 kW (1 HP)

### MACHINING CAPACITY

**Useful table surface :** 1300x310 mm - 51.18" x 12.20"

**Table travel :** 1420 mm - 55.90"

**Max. working length :** 1200 mm - 47.25"

**Max. workpiece width :** 405 mm - 16"

**Min. - Max. workpiece height:** 115 to 800 mm - 4.5" to 31.5"

**Milling plate diameter :** 405 mm - 16"

### CONNECTIONS

**Electric supply :** 6.3kVA-3x400V+PE-50 Hz  
or 6.3kVA-3x230V+PE-60 Hz



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