

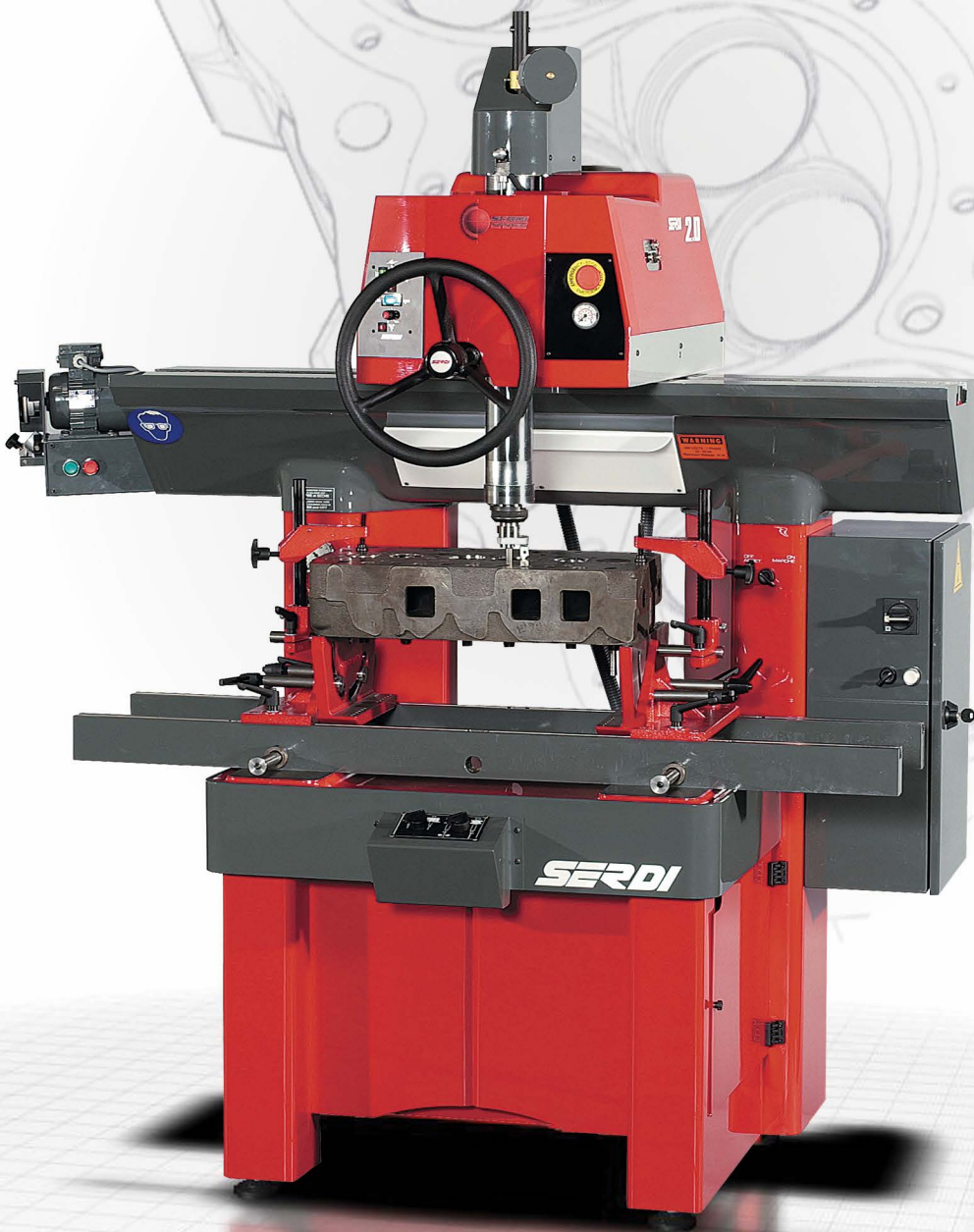


# SERDI

# 2.0

**Versatile precision valve seat and valve guide machining system. Accommodates any conventional heads.**

**Machine designed for high spindle torque at low rpm.**



Featuring the new generation of SERDI tooling. Provides more than a 30 % decrease of cutting forces during machining.

Particularly recommended for guide diameters bigger than 7mm (0.275").

Patented centering system : double air cushion, horizontal and spherical.

Spindle speed variable from 60 to 1000 RPM in both directions

Spindle speed digital display

Modern modular machine bed design for improved rigidity. Computer enhanced static and dynamic characteristics provide the latest in machining technology.

New improved lighting system.

Table bars with pneumatic locking and manual displacement.

Patent U.S.A. N° 4,365,917  
European Patent N° 0022795

[www.SERDI.com](http://www.SERDI.com)

**SERVICE QUALITY RELIABILITY**

**World Class Technology**

## TECHNICAL FEATURES

### Space requirements

Length	mm / inch	1450/57.1
Width	mm / inch	1050/41.3
Height	mm / inch	2100/82.7

### Max cylinder head dimensions

Length	mm / inch	No limits
Width	mm / inch	500/19.7
Height	mm / inch	450/17.7
Crosswise work piece tilting	degrees	+42° to -15°

### Machining capacity min - max

	mm	28 to 120
	inch	1.1 to 4.7

### Workhead stroke

Lengthwise	mm / inch	1016/40
Crosswise	mm / inch	44/1.7

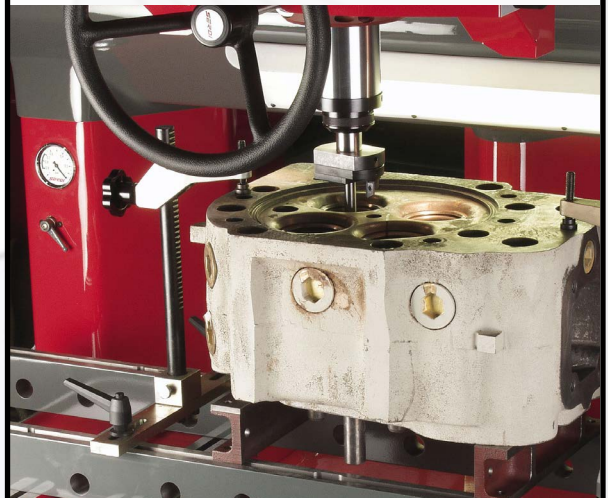
### Spindle

Max. spindle inclination	degrees	5
Spindle stroke	mm / inch	200/8
Spindle motor power	W	1100
Spindle rotation speed	RPM	60 to 1000

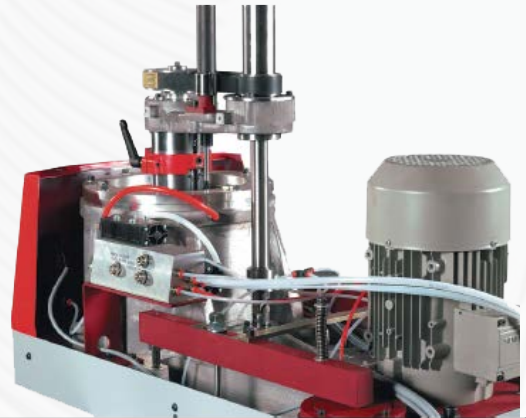
### Connections

Power supply	4kVA-230V-AC-1Ph-50/60 Hz	
Pneumatic supply	bar / psi	6/87
Max. air flow	l/mn -CFM	300/11
Noise level at 400 RPM	DbA	72
Noise level at 1200 RPM	DbA	82
Net weight approx.	kg / lbs	950/2090

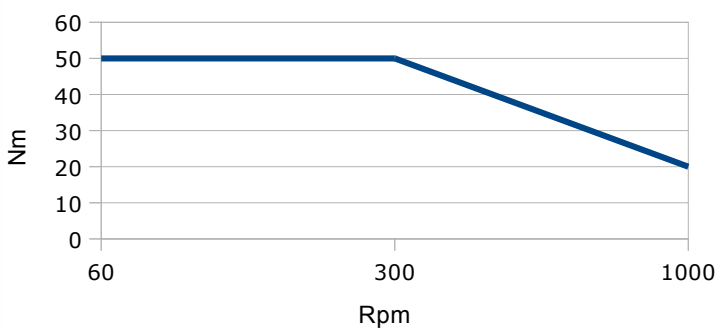
## MACHINING OF LARGE CYLINDER HEADS



## WORK HEAD



## MOTOR SPINDLE TORQUE CURVE



## MOTOR SPINDLE

- One-piece quill, chromed before grinding.
- High precision toothed rack.
- 1.1 kW motor
- ISO30 taper with driving device
- Locking of the spindle by electronic control

## MACHINES SERDI S.A.

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