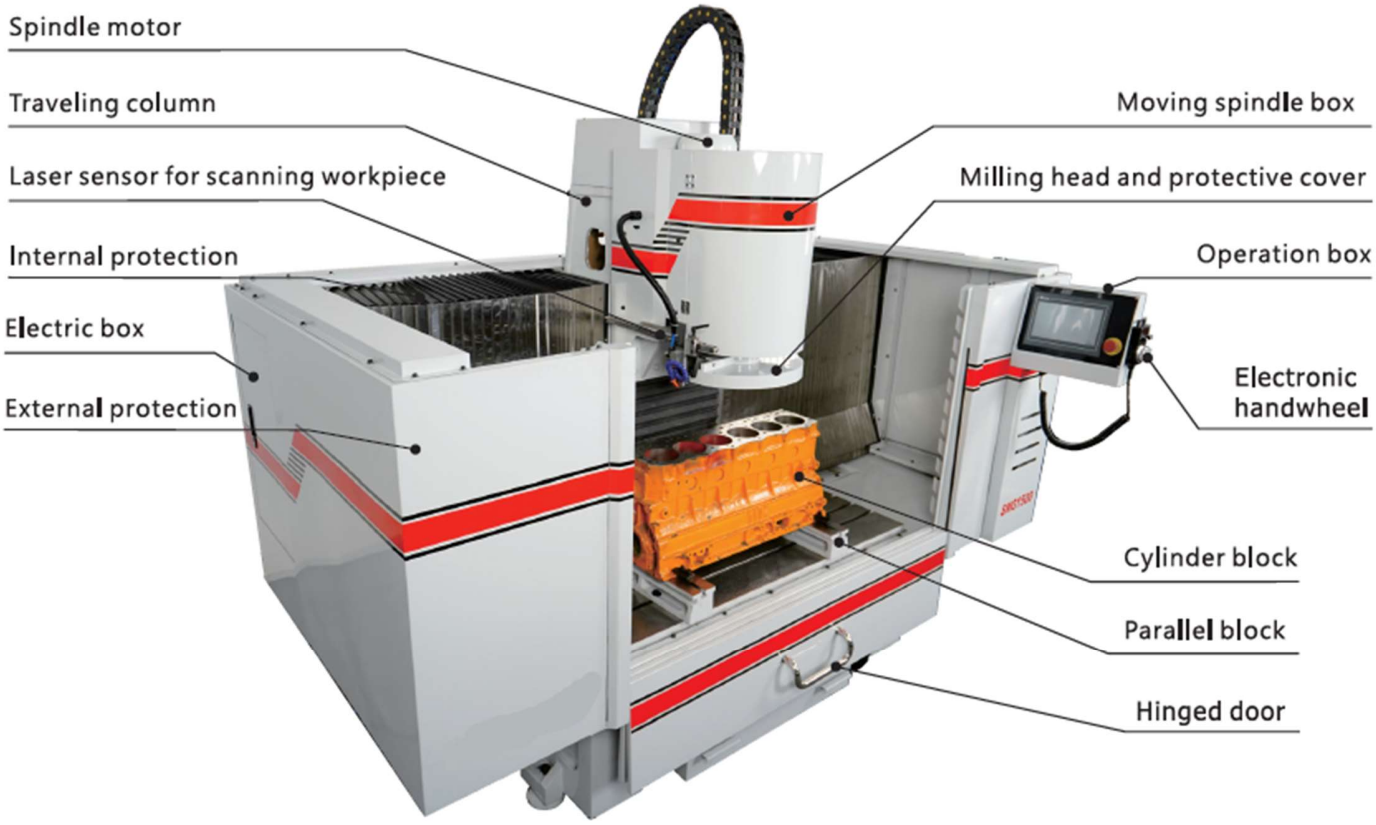
SANDE S.A.

www.sande.cl

600 600 0900

RCU-1500

RECTIFICADORA CULATAS Y BLOQUES MOTORES



Sterk best O.E.M. for machines

The above picture may not be
an exact representation of the product

Especificaciones técnicas sujetas a alteraciones sin previo aviso.

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Horizontal Travel	1700mm	
vertical travel	510mm	
Size of working table	500×1500mm	
Milling head diameter	Φ400mm	
Grinding head diameter	Without grinding	Φ430mm
Spindle Speed – Variable RPM	350～1800rpm	
Spindle Feed – Variable per Rev.	0.01～2.00mm	
Rapid Traverse Rate of x axis	5200mm/min	
Rapid Traverse Rate of Z axis	4000mm/min	
Amount of working table T slot and size	5×18mm	
Spindle motor	2.2kW	
X axis Servo motor	1.5kW	
Z axis Servo motor	1.5kW	
Water pump motor	Without	370W
Slide Type – X & Z Axis	Linear Roller Bearing Slideways	
X & Z Axis Feed Method	Direct Drive Ball Screw	
Electrical Requirement	30A, 210-240V, 1PH, 50/60Hz	
Machine Dimensions (W×D×H)	290×175×210cm	
Packing dimension	293×160×225cm	
Net weight	2300kg	
Gross weight	2500kg	
Milling flatness	0.03mm	
Milling surface roughness	Ra3.2	
Grinding flatness	Without grinding	0.03mm
Grinding surface roughness	Without grinding	Ra1.6
*All technical data and photos are subject to change due to designing without notice.		

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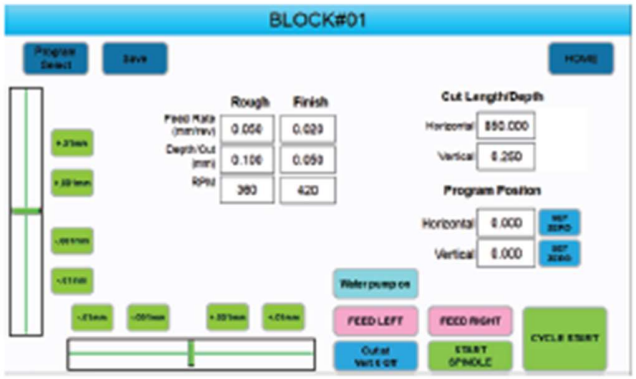


Touch Screen Control

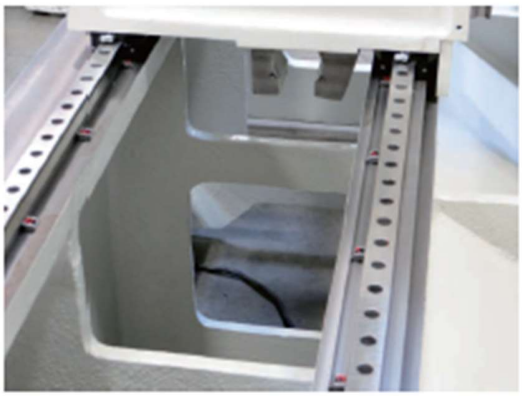
Advanced Axis Drive Motors

All axis feature a direct coupled digital servo controlled precision ground ball screw drive feed system for smooth and precise movement.

Features

Hinged Door

Drop down hinged door for easy one handed operation.



Linear Motion Construction

Linear Motion slideways on the vertical and horizontal axis provide smooth and precise movement along with consistent surface finishes.

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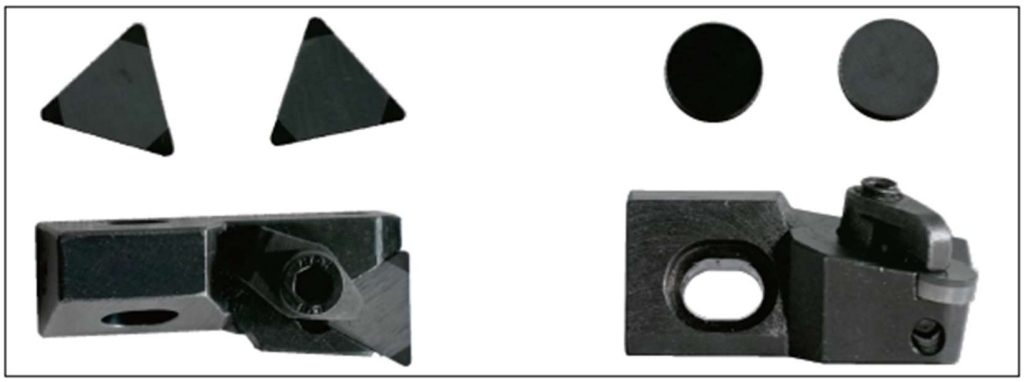
Electronic handwheel

The tool alignment speed is faster and more accurate when using electronic handwheel pair for milling and grinding, which greatly saves processing time . The external electronic handwheel is equipped with a long telescopic wire, which can be pulled to any position of the machine tool to operate, which is flexible and convenient to operate .

Traveling Column Design

Work head travels vertically on separate column allowing 510mm vertical travel for greater flexibility with workpiece size.



CUTTING INSERTS

Versatile tooling provides the right tool for every job!
Rottler S80 machines use indexable cutting inserts held by adjustable toolholders in the standard double insert flycutterheads. Rottler offers inserts designed specifically for high speed dry milling of cast iron, aluminum, diesel heads with prechambers, aluminum blocks with iron liners, and optional cutterheads for weld removal.

CBN (Cubic Boron Nitride) Inserts
These inserts provide an excellent finish on cast iron and have an exceptionally long life giving savings over grinding stones.

PCD (Poly-Crystalline Diamond) Inserts
These inserts are designed for high speed dry cutting of aluminum giving a super fine surface finish for today's MLS (Multi-Layer Steel) head gaskets.

Coated Carbide Inserts
These inserts are inexpensive and can be used for roughing work at low speeds.

Special Inserts
Rottler has developed special inserts for surfacing difficult jobs such as aluminum heads with steel pre chambers and aluminum blocks with ductile iron liners.

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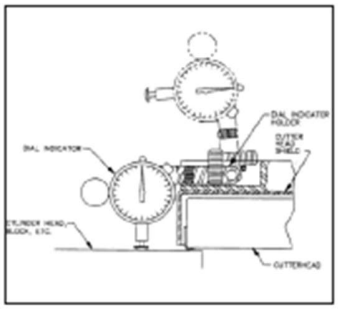
Standard	1,3,4,7,11,12,13,14,15

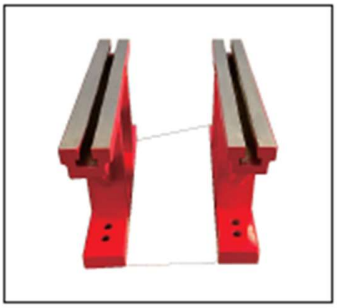
1 Operation box

3 Grinding wheel dresser

4 Depth measurement device



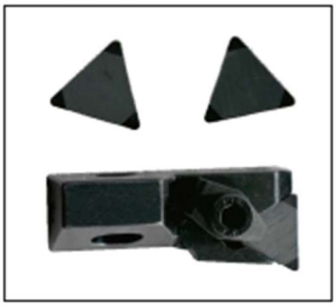
7 Parallel block H=200mm



10 Surfacing cutterhead (Φ400mm)

12 Grinding head (Φ430mm)

13 Triangular inserts (CBN/PCD) and holder



14 Circular inserts (CBN/PCD) and holder

15 Tools