

VERTICAL LATHES

SC 11 -17 Series

Products provided in
Quality Management System
DIN EN ISO 9001: 2000



FEATURING:

Single piece column and base of close grain cast iron construction, sliding cross rail, right hand support with pentagonal turret, left hand support with cross slide, side head with 4 way indexable square turret.

Heavily ribbed design.

Hardened cross rail ways.

Precision hardened and ground gears.

Main spindle with Timken Romania bearings.

The vertical supports move on the 2 or 4 axes by means of trapezoidal screws

Table with 4 jaws, reversible type.

Automatic lubrication system.

Table driven by DC or AC spindle drive motor through 3 steps ranges gear box.

Since 1916

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VERTICAL LATHES

TEHNICAL SPECIFICATION	UM	SC11	SC14	SC17
Max. swing		1100	1400	1650
Max. swing with side head		1000	1300	1550
Max. turning height (under the cross rail)				
STANDARD	mm	800	1000	1200
H (version)	mm	1050	1250	1450
2H(version)	mm	1300	1500	1700
3H (version)	mm	-	1750	1950
4H (version)	mm	-	-	2200
Table diameter	mm	900	1200	1450
Max work piece weight				
Tapered roller bearings (standard)	daN	5000	6000	8000
Cross roller bearings (version)	daN	-	9000	11000
Table speed range	RPM	7-350	5-250	2-200
Main motor power	kW	(30);(45); 60	(45); 60	(45); 60
Right head vertical stroke	mm	760	760	760
Left head vertical stroke	mm	-	-	1000
Side head stroke:				
- horizontal	mm	510	650	700
- vertical	mm	680	1000	1100
Working feed range, axes J ₁ , X ₂ , Z ₁ , Z ₂	mm/rot	0,05 + 5	0,05 + 5	0,05 - 5
Cross rail vertical travel (standard)	mm	520	800	1000
Total weight of the machine	daN	11500	16500	20500
Overall dimensions	H	3800x	4200x	4500x
	L	4100x	4500x	4500x
	W	4000	4500	4700
HYDRAULIC COMPONENTS	-	REXROTH / ATOS / VICKERS / PARKER		
ELECTRICAL COMPONENTS	-	SIEMENS / SCHNEIDER - TELEMECANIQUE		

STANDARD ACCESSORIES:

Standard tool holders
 Devices for horizontality
 Special keys
 Lifting rings
 Set of 4 jaws
 Lighting installation
 Heavy duty pentagonal head
 manually locks
 Guards for table
 Set of Operation and
 Maintenance Manuals

SPECIAL ACCESSORIES:

- Taper turning and threading device
- Grinding device with micrometric hand feed device
- Electromagnetic copying device
- Cooling system
- Digital readout for 2 or 4 axes
- Feed interlocking device
- Full enclosure
- Chip conveyor
- Tool holder set (A P)
- Side head for SC11

OPTIONS:

Automatic turret head with 4 or 5 faces
 Left vertical working support for turning and milling operations and slow feed box for table
 With rotary encoders for table
 Tool holders for milling
 Versions for max turning height
 Versions for max work piece weight
 The electrical, electronic, hydraulic and lubrication equipment can be made according to the request of the customer
 Faceplate with automatic gripping dies
 Balls screws for 2 or 4 axes