

TECHNICAL DATA

Machine Type

Heavy Duty Horizontal Lathe

Model:	SNG 2500 × 12000 CNC
Year overhauled:	2007
Control system:	SIEMENS 840D

Main Technical Features

Work Piece

- Maximum swing over the bed guideways.....3.150 mm.
- Maximum swing over saddle.....2.700 mm
- Distance between centers.....12.000 mm
- Diameter of the face plate with four independent jaws.....2.700 mm
- Max. load between centers.....300 T
- Axial load on the center of the headstock.....150 T
- Radial load on the center of the headstock.....220 T
- Max. load between face plate and steady rest.....30 T
- Max. load on a single steady rest.....80 T
- Max. load supported by faceplate.....150 T
- Max. load supported only by faceplate, without any auxiliary rest.....15 T./600 mm distance from faceplate front surface

Headstock

- Spindle speed range, 4 steps.....0.5...120.r.p.m.
- Main motor, SIEMENS type, not included
 - o Power150 Kw (max. 200 Kw)
 - o Base speed.....1.500 r.p.m
 - o Max. speed.....2.000 r.p.m
- Max. torque (at 5,6 r.p.m.).....10.000 daN x m

Slides Groups

- Cross slide travel.....1100 mm
- Working and rapid feed rates of the longitudinal slide.....1-3000 mm/min
- Working and rapid feed rates of the cross slide.....1-3000 mm/min
- Tool carrier feed mechanism type (Z axis).....double pinion – rack, backlash free system
- Measuring system (Z axis).....pinion rack/rotary encoder type
- Cross saddle feed mechanism (X axis).....ball screw type
- Measuring system (X axis).....rotary encoder type
- Servomotors 1FT 6 SIEMENS type (not included).....95 Nm / 2000 r.p.m
- Guiding system of longitudinal saddle and the cross saddle.....Roller blocks (linear bearings).....2 sets x GRT 3 = 5 pcs. plus GRT 4 = 3 pcs. for each saddle

NOTE: The longitudinal saddle and the cross saddle are provided with the same guiding system.

Tailstock

- Tailstock quill square section.....1000 x 1000 mm
- Tailstock shaft travel (automatically).....150 mm
- Quill rapid motion.....400 mm/min
- Tail stock rapid motion (2 steps).....550/2500 mm/min

Beds

- Headstock bed
 - o Nr. of guideways.....3
 - o Bed width.....1580 mm
 - o Guideways width 2 pcs. = 170 plus 1 pc. = 180 mm
- Tool carrier bed
 - o Nr. of guideways.....3
 - o Bed width.....2070 mm
 - o Guideways width 2 pcs. = 120 plus 1 pc. = 100 mm

Dimensions and Weight (aprox)

- Length.....21.000 mm
- Width-basic machine, electric cabinet included.....6.300/9.700 mm
- Height.....4.700 mm
- Weight (without special attachments).....310 T

Accessories

- Set of tools for assembling operation
- Set of leveling blocks for the bed
- Steady rest roller type, 2 pieces

Electrics and numerical control

The machine will be prepared for motors, electrics and electronics Siemens type and numerical control SIEMENS 840 D

Sale Conditions

Sale price (Ex Works):

On request

Photo



Heavy Duty Horizontal Lathe