



TC20 HS Technical Specification

Swing over bed	mm	420
Swing over cross slide	mm	240
Distance between centers	mm	520
Chuck size	mm	200 (8")
Bed slant		45°
Spindle nose		A2 – 6
Spindle bore	mm	66
Bar capacity	mm	51
Spindle speed range	r.p.m	25 – 4500
Spindle motor	Kw (std)	15
Inner diameter of spindle bearing in front	mm	100
Type of turret	Hydraulic	VDI 30
No. of tools		12
Dimension of tool shank	mm	20x20
Cross travel (X-axis)	mm	200
Longitudinal travel (Z-axis)	mm	400
Rapid traverse	M/mm	X:24 Z:30
Tailstock traverse	mm	350
Tailstock quill traverse	mm	60
Tailstock quill diameter	mm	60
Tailstock quill taper		MT # 4
Coolant pump motor	HP	1.7
Hydraulic pump motor	HP	2
SIEMENS SINUMERIK 828D		
Spindle motor (SIMOTIC M)	Kw /Nm / rpm	12 /120 / 1000
Servo motor & drive (X-axis) (SINAMIC S120)	N.M / rpm	11 / 3000
Servo motor & drive (Z-axis) (SINAMIC S120)	N.M / rpm	11 / 3000
Weight	Kgs	4100
Packing (L.W.H)	Cm	364x185x200

Features

Meehanite cast iron.
 Slant bed for X axis
 Linear Guide Ways for X and Z axis
 Belt type spindle.
 Ball screws type Hiwin / PMI grade3
 Up to ϕ 20, 32 for X, Z Axes Ball Screw Diameter
 Rigid Tapping
 Automatic Lubricating
 Cutting Fluid
 Hydraulic turret type Duplomatic
 Tailstock travel with Hydro-motor system

Standard Accessories

Siemens System Controller. 10.4" LCD Color screen.
 Working Lamp
 Three Step Warning Lamps
 12 Tools Station (VDI Turret)
 Foot Switch
 Leveling Pads & Bolts
 Tool Box & Hand Tools
 Transformer
 External Hand Wheel
 Heat exchanger for electrical cabinet
 Chain Type Chip Conveyor
 Fully- enclosed Splash Guard
 1 year mechanism warranty
 5 years technical support
 Instruction handbook

Options

Bar feeder interface
 2 Step Chuck pressure Device
 High Pressure Coolant (6 Bar)
 Coolant flush gun or air gun
 Chip Box

