



TC50 Technical Specification

| | | |
|--|--------------|-----------------|
| Swing over bed | mm | 528 |
| Swing over cross slide | mm | 370 |
| Distance between centers | mm | 1200 |
| Size of hydraulic Chuck | mm | 254 (10") |
| Spindle nose | | A2-8 |
| Spindle bore diameter | mm | 92 |
| Feed Bar capacity | mm | 75 |
| Spindle speed range | rpm | 20-3000 |
| Spindle motor (Mo) | Kw | 13.5 |
| Inner diameter of spindle bearing in front | mm | 130 |
| Type of Turret | Hydraulic | Angle |
| NO. of tool Holder | | 12 |
| Dimension of tool shank | mm | 25x25 |
| Cross travel (X-axis) | mm | 290 |
| Cross travel (Z-axis) | mm | 1050 |
| Rapid traverse | M/min | X: 20 Z: 24 |
| Type of Tailstock | | Hydraulic |
| Tailstock traverse | mm | 530 |
| Tailstock quill stroke | mm | 100 |
| Tailstock quill diameter | mm | 85 |
| Tailstock quill taper | (STD) | MT # 5 |
| SIEMENS SINUMERIK 828D | | |
| Spindle motor (SIMOTIC M) | Kw /Nm / rpm | 15 / 95 / 1500 |
| Servo motor(X-axis) (Mo) | Kw /Nm / rpm | 3.3 / 16 / 3000 |
| Servo motor(Z-axis) (Mo) | Kw /Nm / rpm | 3.8 / 18 / 3000 |
| El. motor | HP | 1.7 |
| El. motor | HP | 2 |
| Weight | Kgs | 9800 |
| Dimension (L.W.H) | Cm | 450x200x240 |



Features

Meehanite cast iron.
 Slant bed for X axis
 Box Ways for X and Z axis
 Hardening guide ways
 Turcite-B are coated on 2 axes
 Belt type spindle.
 Ball screws type Hiwin / PMI grade3
 Up to ϕ 32,40 for X, Z Axes Ball Screw Diameter
 Rigid Tapping
 Automatic Lubricating
 Cutting Fluid
 Hydraulic turret type Goldensun, ...
 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 (Angular 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

