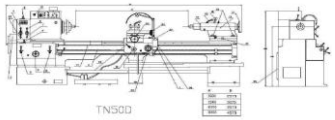


TN50BR Thechnical Specification			
WORKING AREA			
Swing over bed	500 mm		
Swing over cross slide	270 mm		
Swing without gap bridge	700 mm		
Distance between centers	1000, 1500, 2000 mm		
Cross slide travel	300 mm		
Toolpost working travel	140 mm		
Dimension of tool shank	32×20 mm		
Max. workpiece weight	300/45 Kg/ rpm		
Gap bridge length	230 mm		
Bed width	340 mm		
HEAD STOCK			
Number of spindle speed steps	2 range, 12 steps each one		
Spindle speed range	range 1: 22.4-1000 r.p.m		
	range 2: 45-2000 r.p.m		
spindle nose dia.	170 mm according to DIN 55027		
Spindle bore taper	morse NO.6		
Spindle bore dia. (through bore)	50 mm		
Height of centers	250 mm		
Inner diameter of spindle bearing in front	80 mm		
TAILSTOCK			
Tailstock quill dia.	70 mm		
Tailstock quill taper	Morse NO 5		
Tailstock quill stroke	180 mm		
Cross resetting	±12		
FEEDS			
Number of longitudinal and cross feeds	38		
Range of longitudinal feed	0.05-6.4 mm/rev		
Range of cross feeds	0.025-3.2 mm/rev		
Rapid traverse Z, X axes	3000, 1500 mm/min		
THREAD PITCHES (TAPPING)			
29 type of metric threads	0.05-40 mm		
35 type of whithworth threads	80-1 t.p.i		
26 type of module threads	0.26-20 module		
31 type of diametral pitch threads	2-27 D.P		
Lead screw	Tr40×6 mm		
MOTORS			
Main motor	power: 5.5 KW		
	speed: 1500 r.p.m		
Rapid travers motor	power: 0.55 KW		
	speed: 3000 r.p.m		
Coolant pump motor	0.09kw / 2800 r.p.m		
DIGITAL LINEAR SCALE			
Digital linear scale precision X (mm)	0.01		
Digital linea scale precision Z (mm)	0.01		
GENERAL SPECIFICATION			
Turning length (mm)	1000	1500	2000
Total length (mm)	2575	3075	3575
Total width	1100	1100	1100
Height	1750	1750	1750
Approximate weight (kg)	1650	1750	1850

LATH MACHINE MODEL TN50D

This machine with its four guide ways hardened is suitable for all turning operations both single and mass production. It can be equipped with special attachments to comply with different applications including drilling internal and external grinding and screw thread cutting. Apron is equipped with rapid approach which reduces the time needed for machining. When machine is idle tool holder can be moved rapidly in four directions lessening machining time and wearing of machine components.

Features

Meehanite cast iron.
Hardening guide ways
Scraping of moving parts

Counter guides scraped by hand. Specially coated taper strips are used to provide very low guide clearance thus ensuring highest precision, stability, minimum wear, and long service life.

Optional Equipment

4 jaw chuck Ø250 mm
4 jaw face plate Ø500 mm
Plain face plate.
Upper slide with American tool holder.
Rear tool post
Quick change tool psot
Camlock spindle nose
Face driver
Arbor Morse Taper adapter
Live center Morse No. 5
Toolpost Grinder
Taper turnig attachment
Large steady rest Φ 110 - Φ250 mm
Rear Cover
Cable carrier
Tooling (All cutting tools & tool holder for operations)
Controlling (All measuring & test devices)
Spare parts for 2 & 5 years

Standard equipment

Specification:
3 jaw chuck Ø250 mm
DRO (Digital readout)
Drive plate Dia. 235 mm
Flange for chuck Ø250 mm
Spindle Morse Taper adapter
Centre Morse 5
Chip pan (Tray)
Cooling equipment with tank and pump
Upper slide with 4-way toolpost
Spare shear pins for lead screw
Lighting equipment for 24 volts / without bulb
Chip guard (carriage mounted)
Universal chuck & Chip guard
Anchoring screws
Steady rest Φ 10 - Φ115mm.
Follow rest Φ 10 - Φ115 mm.
Set of change gears
Set of operating tools
1 years mechanism warranty
5 years technical support
Instruction handbook

MAIN ADVANTAGES

- Simple and ergonomic control
- High turning precision
- Long lifetime
- Low operating costs
- Possibility to cut non-standard threads
- Easy maintenance
- Possibility to cut various types of threads with wide range of pitches
- Wide range of optional accessories


3 jaw self-centering


4 jaw faceplat


Chuck flange


Steady rest


4 jaw self-centering


Faceplat

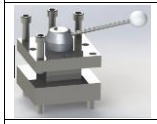

Drive plate


Follow rest


Thread indicator


Taper turning attachment


Large steady rest


Tool post


Rear Tool post


Quick change Tool post


Cam lock spindle nose


Face driver


Live center Morse


Center Morse


Grinding attachment