

- Meehanite casting with torque tube construction
- Precision linear ways mounted on hand scraped surfaces/box ways
- 30° slant bed
- Precision spindle with double row roller bearings with angular contact ball bearings
- Large diameter double anchored pretension ball screw directly connected to servo
- Fanuc ABS pulse coder
- Cam type turret for speed and accuracy
- Tool setter standard for faster setups
- Chip Conveyor standard with the machine for higher productivity



**TNL-130AL**

	TNL-85A	TNL-100A	TNL-100AL	TNL-120AL	TNL-130AL
Chuck size (in)	8	8	8	10	12
Max. Swing (in)	14.6	14.6	16.5	16.5	24.4
Spindle nose	A2-6	A2-6	A2-6	A2-8	A2-8
Bar Capacity (in)	1.7	2	2	2.5	3
Max. spindle speed (rpm)	4800	4500	4500	2500	3500
Spindle Bearing ID (in)	3.4	3.9	3.9	5.1	5.1
No. of tools	12	12	12	12	12
Rapids X/Z (ipm)	787/945	787/945	945/1181	945/1181	708/787
X/Z stroke (in)	5.9/15.7	5.9/15.7	6.7/23.6	6.7/23.6	9.6/39.3
Spindle Motor (hp)	12	20	20	20	25
Ways	LM guide	LM guide	LM guide	LM guide	Box way

## T Series



- A proven design for unparalleled accuracy and repeatability over the last 20 years
- One piece cast bed design with Meehanite casting
- 90° bed for easy access and chip flow
- Precision linear ways mounted on hand scraped surfaces
- Precision spindle with double row roller bearings with angular contact ball bearings
- Large diameter double anchored pretension ball screw directly connected to servo
- Fanuc ABS pulse coder
- Optional torque limiter clutch to prevent damage in case of mishap
- Cam type, heavy duty no lift turret with servo control
- Fully programmable, unique design, electric and hydraulic tailstock
- Optional tool setter for faster setups
- Chip Conveyor standard with the machine for higher productivity



**TNL-100T**

	TNL-100T	TNL-100TL	TNL-120T	TNL-120TL
Chuck size (in)	8	8	10	10
Max. Swing (in)	15	15	15	15
Spindle nose	A2-6	A2-6	A2-8	A2-8
Bar Capacity (in)	2	2	2.5	2.5
Max. spindle speed (rpm)	4500	4500	2500	2500
Spindle Bearing ID (in)	4	4	5	5
No. of tools	12	12	12	12
Rapids X/Z (ipm)	787/945	787/945	787/945	787/945
X/Z stroke (in)	7.9/15.7	7.9/23.6	7.9/15.7	7.9/23.6
Spindle Motor (hp)	20	20	20	20
Ways	LM guide	LM guide	LM guide	LM guide
Tailstock	Elec. Motor & Hyd. - Manual or M code full stroke			

## Bar Feed Package



**VERY COST EFFECTIVE packages for A series turning centers**

Package includes:

- BF1200 4 foot magazine barfeeder
- Parts Catcher
- Parts Conveyor
- Chip Conveyor
- Tool Setter
- 3 Jaw Chuck
- Tailstock



### TNL-100A + BF1200

Features of BF1200 bar feeder:

- Easy installation Factory integrated through Fanuc control
- 1 minute bar diameter changes
- Hex or Square stock (1 position spindle orientation included)
- No special bar straightness requirement
- 0.2"~2.5" diameter bar capacity
- 4 foot bar lengths
- Holds:
  - 10 - 2.5" diameter bars or
  - 25 - 1" diameter bars

Features of Machines TNL-85A/100A/120AL:

- 8"-10" Chucks
- 1.7"/2.0"/2.5" Bar capacity
- Fanuc 15/20 HP "P" motors
- 12 station turret/0.3 second index
- 1181 IPM rapid
- Fanuc OiT control with ABS servo
- Tool Setter
- Chip Conveyor
- Part Catcher
- Part Conveyor
- Tailstock

## TA Series



### Easy Setup, Quick Change Tooling

- One piece cast bed design with Meehanite casting
- 60° bed for easy access and chip flow
- Precision linear ways mounted on hand scraped surfaces
- Precision spindle with double row roller bearings with angular contact ball bearings
- Large diameter double anchored pretension ball screw directly connected to servo
- Fanuc ABS pulse coder
- Cam type, heavy duty no lift turret with servo control
- One touch hydraulic operated tailstock
- Easy setup with Quick Change Tooling (TQCT/KV), Quick Jaw Change Chucks and Tool Setter
- Chip Conveyor and Bar Feeds for Untended Operation



### TA-20

TA-20

TA-20L

TA-25

TA-25L

Chuck size (in)	8	8	10	10
Max. Swing (in)	17.7	17.7	17.7	17.7
Spindle nose	A2-6	A2-6	A2-8	A2-8
Bar Capacity (in)	2	2	2.5	2.5
Max. spindle speed (rpm)	4500	4500	3500	3500
Spindle Bearing ID (in)	4	4	5	5
No. of tools	12	12	12	12
Rapids X/Z (ipm)	1181/1181	1181/1181	1181/1181	1181/1181
X/Z stroke (in)	10.2/16.5	10.2/25.6	10.2/16.5	10.2/25.6
Spindle Motor (hp)	20	20	20	20
Ways	LM guide	LM guide	LM guide	LM guide
Tailstock	One touch Hydraulic			

## TB Series



### Multi-Tasking, Y-Axis, Sub-spindle

- A proven design for unparalleled accuracy and repeatability over the last 20 years
- One piece cast bed design with Meehanite casting
- 90° bed for easy access and chip flow
- X, Y, Z orthogonal axis, allowing each axis motion independent of the other
- Precision spindle with double row roller bearings with angular contact ball bearings
- Large diameter double anchored pretension ball screw directly connected to servo
- Fanuc ABS pulse coder
- VDI tooling for fixed or rotating tool on any station
- Cam type, heavy duty no lift turret with servo control
- Optional sub-spindle with 24 tools on turret



**TB-25**

	TB-25-LYMB	
Max. swing (in)	21	
Bar Capacity (in)	2.5	
Chuck size (in)	Main: 10	Sub: 8
Spindle Speed (rpm)	3500	5000
Spindle Nose	A2-8	A2-5
Turret style	Radial Drive - VDI 40	
Station No.	12	12+12
Index time (sec)	0.6	
X/Y/Z/W Rapid (ipm)	944/590/1181/944	
X/Y/Z/W Travel (in)	10.2/4/25.9/27.6	

Main Motor (hp)

20

10