

SKU : 301741

The lathes of the TubeTurn series are designed to optimally machine tubes for the oil production and processing industry. The particularly large spindle bore and an additional chuck on the back of the main spindle, enable pipes to be securely clamped through the spindle bore. In this application, external steady rests can guide the workpieces outside the machine. The entire design of the machines is very robust and the standard taper turning device extends the range of applications of the series.

- Front and rear chuck
- Large spindle bore
- Taper turning feature
- Assembled 3-axis position indicator



TECHNICAL SPECS

WORKING AREA

Workpiece length (max.)	1300 mm
Turning diameter over bed	630 mm
Turning-Ø over support	340 mm

TRAVELS

Travel X-axis	340 mm
Travel Z-axis	1250 mm

HEADSTOCK

Speed range	27 1/min - 350 1/min
Spindle torque (max.)	1920 Nm
Lathe chuck diameter	500 mm - 520 mm
Spindle bore	225 mm
Spindle bore in chuck	220 mm

RAPID FEED

Rapid feed X-axis	2000 mm/min
Rapid feed Z-axis	4000 mm/min

FEED

Feed X-axis	0.02 mm/R - 0.45 mm/R
Feed Z-axis	0.07 mm/R - 133 mm/R

TOOLING

Number of tool stations	4 positions
Tool shank dimensions	32 mm x 32 mm

THREADING

Threading, metric	1 mm - 14 mm
Threading, whithworth	2 TPI - 28 TPI

TAILSTOCK

Tailstock taper	5 MT
Tailstock quill diameter	100 mm
Tailstock quill stroke	230 mm

DRIVE CAPACITY

Motor rating main drive	7.5 kW
Total power consumption	8.5 kVA

MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	3.66 m x 1.45 m x 1.41 m
Weight	4600 kg



Taper turning unit is included



The rear-mounted lathe chuck ensures increased stability for long workpieces



Spindle bores up to 225 mm

PRODUCT DETAILS

- Heavy machine bed made of premium cast-iron with hardened and ground guideways
- Massive headstock with high-precision spindle running in tapered roller bearings, and 2 lathe chuck mounts on both sides
- Gears are hardened and ground
- High torque at the working spindle ensures high chip removal rates when machining parts with large diameters
- Powerful main drive motor with 7,5 kW power
- Central, practical controls for feeds and thread leads
- Wide spectrum of inch and metric threads
- Heavy-duty 4-station tool holder
- Coolant system is included
- Taper turning unit with 500 mm turning length

3-axis position indicator

- More accuracy
- Lower error rate
- Increased productivity
- Resulting in valuable time savings
- For increased productivity
- Easy to read display
- Operator-specific features
- Convenient keyboard layout
- Resolution: 0.01/ 0.005 mm
- Default coordinates
- Axis position is maintained when display is turned off
- Hole circle pattern calculation
- Calculator function
- Storage for 10 tools
- Radius / diameter toggle
- Mm/inch conversion
- Easy expansion and maintenance-free operation
- Display for top (Z0) and box way slide (Z1) both separate and in differential / cumulative mode for lathes

STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2
 4-station tool holder
 3-jaw chuck Ø 500 mm
 4-jaw face plate chuck Ø 520 mm
 Taper turning feature
 Coolant system
 Operator instructions

OPTIONAL EQUIPMENT

- steady rest 320 mm for item 301739 - 301741, SKU : 251055
- external rest for TubeTurn - 301740, SKU : 253847