Conventional Horizontal Lathes

TubeTurn 135

SKU : 301739

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.)	51 in
Turning diameter over bed	25 in
Turning-Ø over support	13 in

TRAVELS

Travel X-axis	13.4 in
Travel Z-axis	49 in

HEADSTOCK

Speed range	11 rpm - 580 rpm
Spindle torque (max.)	1416 ft.lb.
Lathe chuck diameter	16 in
Spindle bore	5.3 in
Spindle bore in chuck	5.1 in

RAPID FEED

Rapid feed X-axis	78.74 in/min
Rapid feed Z-axis	157.48 in/min

FEED

Feed X-axis	0.00079 in/R - 0.01772 in/R
Feed Z-axis	0.00276 in/R - 5.23621 in/R

TOOL HEAD

Number of tool stations	4 positions
Tool shank dimensions	1.3 in x 1.3 in

THREADING

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

TAILSTOCK

Tailstock quill diameter	4 in
Tailstock taper	5 MT
Tailstock quill stroke	9 in

DRIVE CAPACITY

Motor rating main drive	10.1 Hp
Total power consumption	8.5 kVA

MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	145 in x 58 in x 55 in
Weight	9460 lbs

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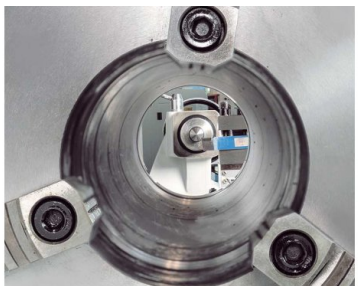

PRODUCT DETAILS

- 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 10 Hp
- 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 20 inch 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: 0.0004 / 0.0002"
- 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
Two 3-jaw lathe chucks 16”
Taper turning feature
Coolant system
Operator instructions

OPTIONAL EQUIPMENT

- Steady rest 13”, SKU : 251055
- 4-Jaw Independent Chuck, 15.7", incl. adapter for part no. 301739, SKU : 253578

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