

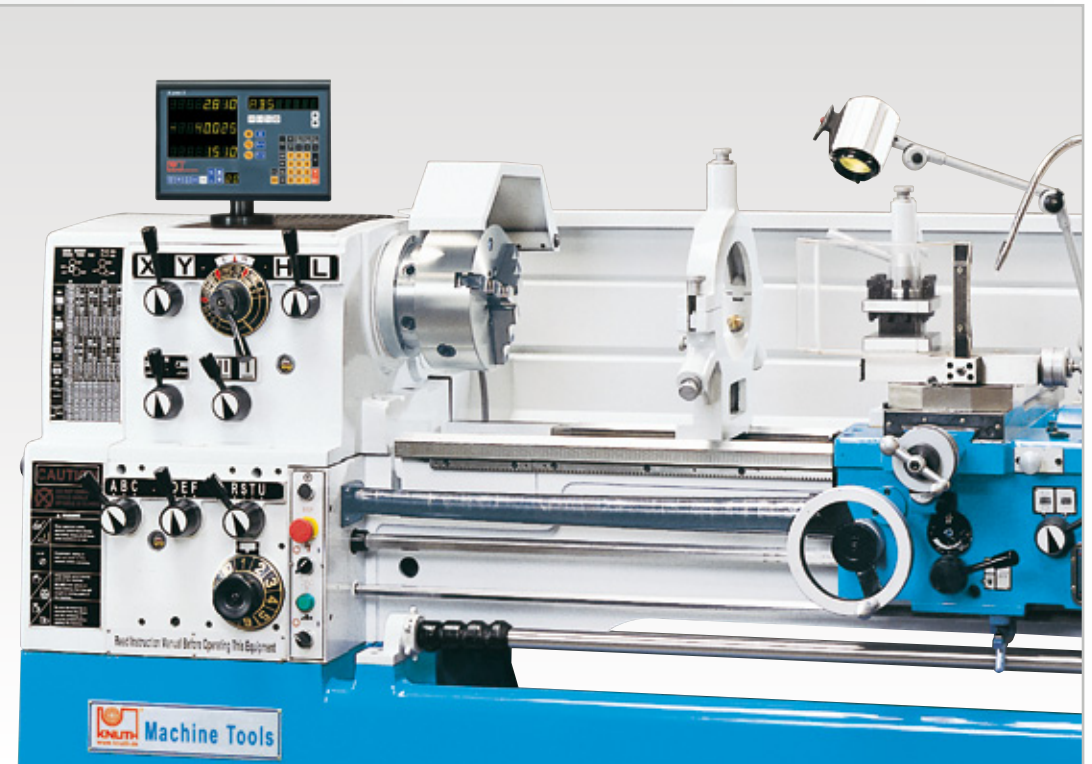


Lead Screw and Feed Shaft Lathes

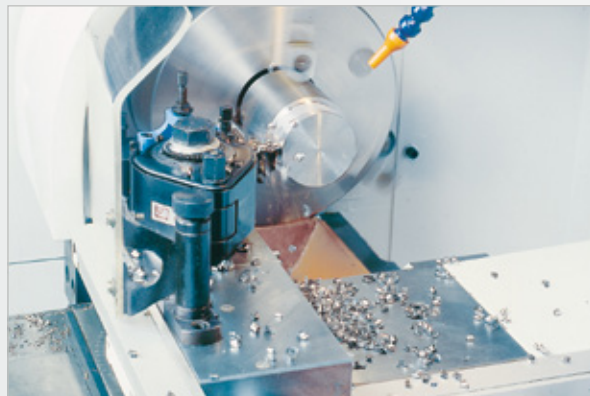
Turnado 230

Including 3-axis position indicator

- Center width up to 79"
- Turning diameter over bed 18"
- Removable bridge for machining of large diameters
- Stop spindle with four adjustable linear stops



Turnado 230

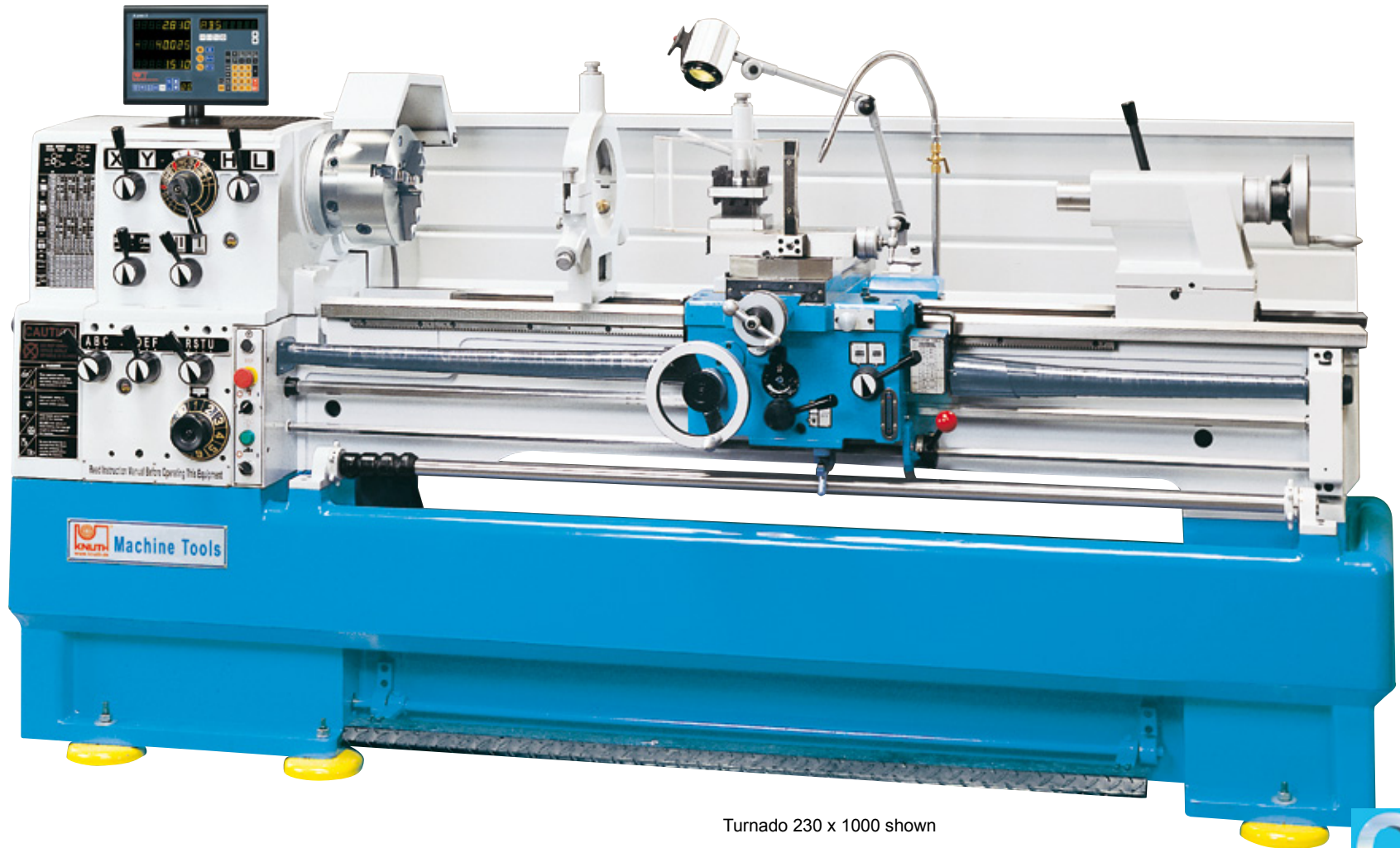


www.knuth-usa.com



High-Quality Lead Screw and Feed Shaft Lathe with manual transmission

- Low Price and Lasting High Value
- Well arranged control panel with ergonomically located selectors
- Camlock spindle mount D1-6
- Wide bed, ground and hardened
- Tailstock can be moved sideways for taper turning
- Large number of thread leads
- Removable bridge for machining of large diameters
- Stop spindle with four adjustable linear stops



Turnado 230 x 1000 shown

Turnado 230

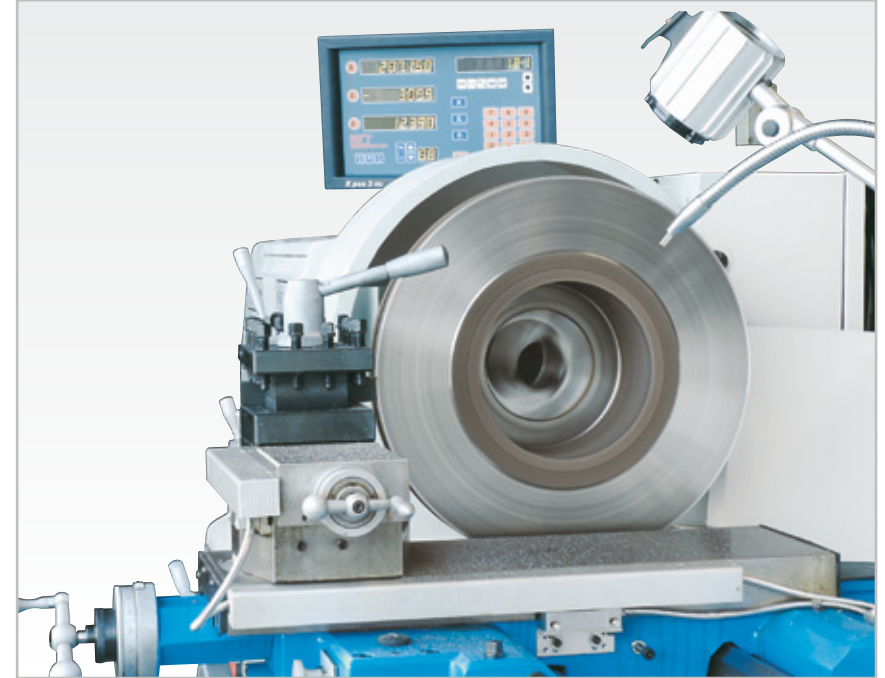
DESCRIPTION



www.knuth-usa.com



Faceplate is included



Constant cutting speed for a flawless surface throughout

Turnado with infinitely variable speed adjustment:

- Back gearing, first-class control technology and a powerful headstock motor allow a wide range of speeds and high torque for powerful machining
- Very quiet operation at maximum spindle speed
- Max. speed for the Turnado 230 series is 3000 rpm, infinitely variable

- The extensive features of the X.Pos Position Indicator are complemented by a speed display and vconst (constant speed) function: During face turning, the spindle speed automatically adapts to the changing workpiece diameter – the constant cutting speed at the cutting edge of the turning tool ensures superior turning results with a quality comparable to CNC lathes



Specifications Turnado	230 x 1000	230 x 1500	230 x 2000
Working Area			
Center width	39 in	59 in	79 in
Max. turning diam. over bed / support		18 / 11 in	
Turning diameter over bridge (max)		27 in	
X / Z1 axis travel		11 / 5 in	
Bridge length		6 in	
Bed width		12 in	
Top-slide swivel range		± 52°	
Headstock			
Spindle speed		(12) 25 - 2000 rpm	
V const		L 30 - 600 / H 600 - 3000 rpm	
Spindle bore		2.3 in	
Spindle mount		Camlock D1-6	
Spindle taper		MT 6	
Feed			
X axis feed		0.0006 - 0.03 in/rev	
Z axis feed		0.001 - 0.07 in/rev	
Thread Cutting			
Thread cutting - metric		(41) 0.004 - 0.6 in	
Thread cutting, diametric		(50) 4 - 112 DP	
Thread cutting, module		(34) 0.004 - 0.3 in	
Thread cutting, Whitworth		(60) 2 - 112 GPZ	
Tailstock			
Tailstock quick diameter		2 in	
Tailstock taper		MT 4	
Tailstock quill stroke		5 in	
Tailstock cross adjustment		± 0.5 in	
Drive Capacities			
Main motor rating		7.4 Hp	
Dimensions/Weight			
Dimensions	87 x 43 x 53 in	108 x 43 x 53 in	128 x 43 x 53 in
Weight	3784 lbs	4334 lbs	4620 lbs
Part No. with position indicator	320 555	320 558	320 575
Part No. with position indicator plus V-const	320 570	320 571	320 575

Standard Equipment

- 3-axis position indicator
- 3-jaw chuck, Ø 10"
- 4-jaw face chuck Ø 12"
- Face plate with 12" diam.
- 4-station tool holder
- Coolant system
- Steady and follow restst
- Stop spindle
- Splatter guard
- Chuck guard
- Foot brake pedal
- Halogen work lamp
- Reducing sleeve
- Steady center
- Thread gauge
- Operating tools
- Operator manual

Optional

Part No.

- 4-jaw lathe chuck cast iron 10"	116 624
- 4-jaw lathe chuck steel 10" with infinitely variable speed adjustment	146 473
- Quick-change tool holder set WB	103 195
- Plus assembly	103 315
- Live centers MT 5	106 760
- Oscillation element LT 33 (per pc)	103 321
- Clamped turning tool set 1"	108 670
- Indexable insert set, 1", 30 pc	108 675
- Power Worker chip lift-off device	123 040
- Knurl holder	108 520
- Knurling tool kit, angled	108 521
- Coolant concentrate 5 L	103 184

3-axis position indicator

X.pos 3

For new installations or for retrofitting existing lathes

- Increased accuracy
- Lower error rate
- Higher production safety
- Significant time savings
- Increased productivity
- Easy to read display
- User-specific functions
- Good keyboard layout
- Resolution 0.0004" / 0.0002"
- Default coordinates
- Maintains the axis position when the display is turned off
- Calculation of hole circle pattern
- Pocket calculator function
- Storage for 10 tools
- Radius / diameter toggle
- mm/inch conversion
- Easy mounting and maintenance-free operation
- Display of top slide (Z0) and bed slide (Z1) either individually or as differentiation/summation circuit for lathes

Position Indicators... an absolute necessity for all machine tools

