

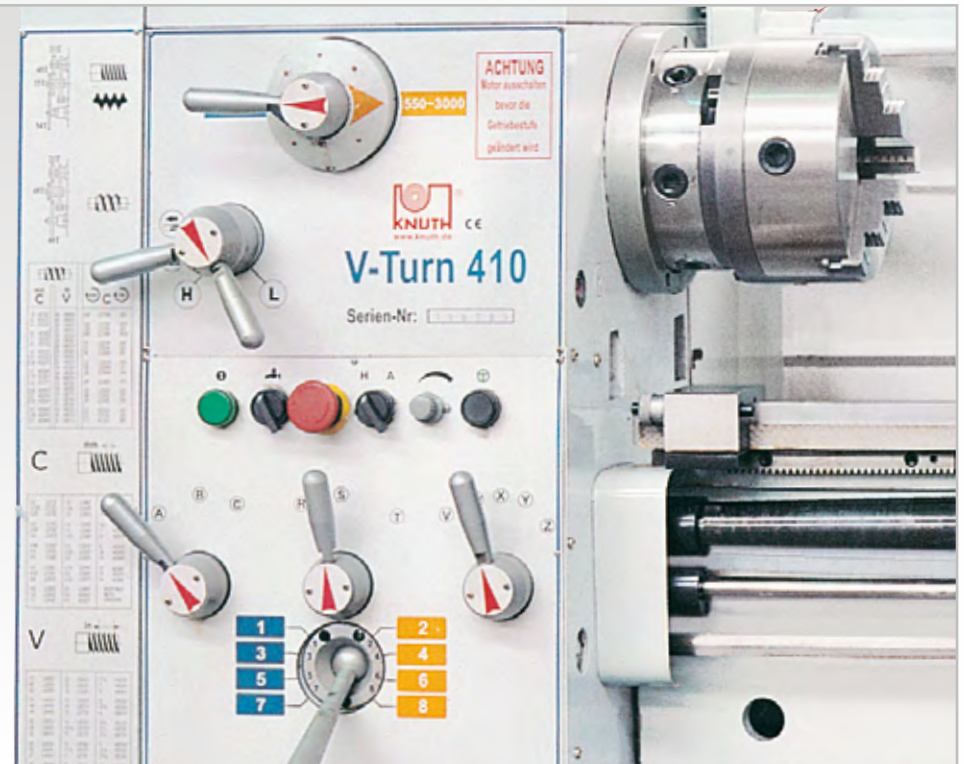


CNC Precision Lathes

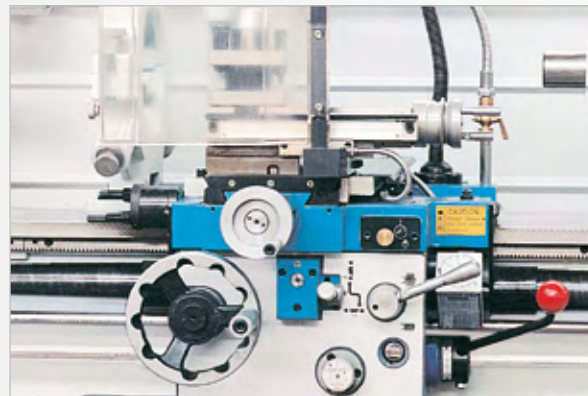
V-Turn 410

Incl. 3-axis position indicator and integrated spindle speed indicator, completely assembled

- Center width 40" / 59"
- Max. turning diameter over bed 16"
- Infinitely variable spindle speeds up to 3000 rpm
- Powerful motor, 7.5 Hp



V-Turn 410

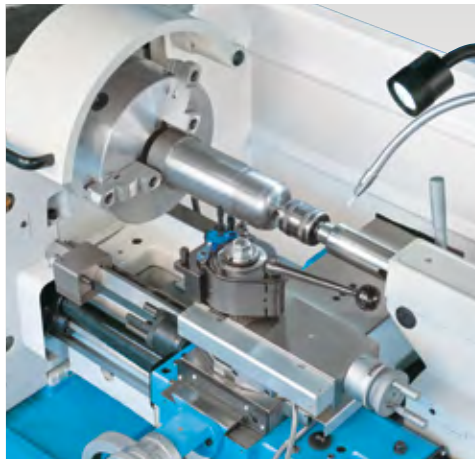


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Convincing Price and Performance! With infinitely variable speed adjustment and constant cutting speed

- A heavy ribbed machine bed and a massive one-piece cast-iron frame provide the solid basis for this machine
- Wide, hardened and ground guideways ensure superior turning results and long life
- Large spindle bearings and high-precision headstock ensure excellent concentricity
- Headstock gears and shafts are hardened and ground for quiet operation und constant speed
- 7 Hp headstock motor ensures powerful machining
- Spindle speeds are infinitely variable from 30 to 550 and 50 to 3000 rpm
- Micrometer and turret stop are included
- Integrated central lubrication at the support for low maintenance
- The extensive features of the X.Pos Position Indicator are complemented here with a digital speed indicator and an easy to program auxiliary function
- Constant speed: 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



Quick change tool holder (optionally)



Shown with optional accessories

DESCRIPTION

V-Turn 410

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V-Turn 410

SPECIFICATIONS

Specifications V-Turn	410/1000	410/1500
Working Area		
Center width	40"	59"
Turning diameter		
- Over bed (max)	16"	16"
- Over support (max)	10"	10"
- Over bridge (max)	22.8"	22.8"
X axis travel	8.3"	8.3"
Z1 axis travel	5.5"	5.5"
Bridge length	10"	7.5"
Bed width	10"	10"
Top-slide swivel range	± 45°	± 45°
Headstock		
Speed range, high	550 - 3000 rpm	550 - 3000 rpm
Speed range, low	30 - 550 rpm	30 - 550 rpm
Spindle bore	Ø 2"	52 mm
Spindle mount	Camlock D1-6	Camlock D1-6
Spindle taper	MT 6	MT 6
Feed		
X axis feed	0.001" - 0.033" /rev	0.001" - 0.033" /rev

	410/1000	410/1500
Z axis feed	0.002" - 0.067" /rev	0.002" - 0.067" /rev
Thread Cutting		
Thread cutting - metric	(39) 0.008" - 0.55"	(39) 0.008" - 0.55"
Thread cutting, diametric	(21) 8 - 44 DP	(21) 8 - 44 DP
Thread cutting, module	(18) 0.012 - 0.14"	(18) 0.012 - 0.14"
Thread cutting, Whitworth	(45) 2 - 72 TPI	(45) 2 - 72 TPI
Tailstock		
Tailstock quill diameter	Ø 2"	Ø 2"
Tailstock taper	MT 4	MT 4
Tailstock quill stroke	4.7"	4.7"
Tailstock cross adjustment	± 0.5"	± 0.5"
Drive Capacities		
Main motor rating	7.5 Hp	7.5 Hp
Power supply	400 V	400 V
Dimensions/Weight		
Dimension	76" x 32" x 50"	96" x 33" x 52"
Weight	2640 lbs	3960 lbs
Part No.	300 820	300 821

Standard Equipment

- | | | | |
|--------------------------------|-------------------------------|---------------------|------------------------------------|
| - 3-axis position indicator | - Coolant system | - Splatter guard | - Thread gauge |
| - 4-jaw face chuck Ø 10" | - Follow rest and steady rest | - Support guard | - Operating tools, operator manual |
| - Face plate with 13.75" diam. | - Turret stop | - Chuck guard | |
| - Change gears | - Micrometer stop | - Toot brakes | |
| - 4-station tool holder | - Chip tray | - Halogen work lamp | |



The cutting speed selected by the operator...



... will be held constant by automatically controlling the spindle speed ...



... up to a maximum speed of 3000 rpm.

Optional

Part No.

- 3-jaw chuck, Ø 8", Camlock 1-6, 4000 rpm	146 372
- 4-jaw chuck, Ø 8", Camlock 1-6, 4000 rpm	146 472
- Quick-change tool holder set WB	103 195
- Live center MT 4	106 755
- Oscillation element LT 33 (per piece)	103 321
- Clamped Turning Tool Set 0.6" / 0.8" / 0.9", 9-pc	108 780
- Clamped turning tool set 1"	108 670
- Indexable Insert Set 0.6" / 0.8" / 0.9" mm, 30-pc	108 782
- Indexable insert set, 1", 30 pieces	108 675
- Coolant concentrate 5 l	103 184
- Power Worker chip lift-off device	123 040
- Turret MT 4	105 050
- Knurl holder	108 520
- Knurling tool kit, angled	108 521
- Quick-adjusting spindle bore stop, size 6	103 020
- Accessory-Set MT 4, 8-pc.	104 594

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

