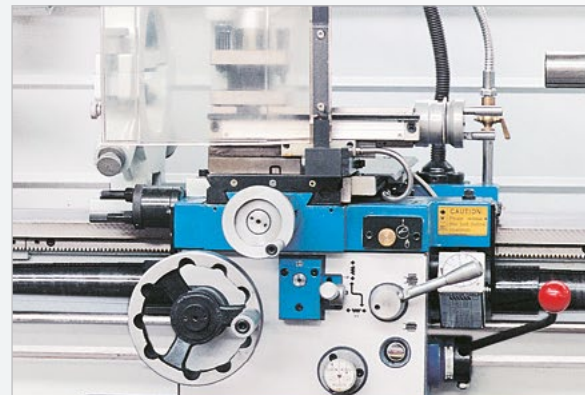
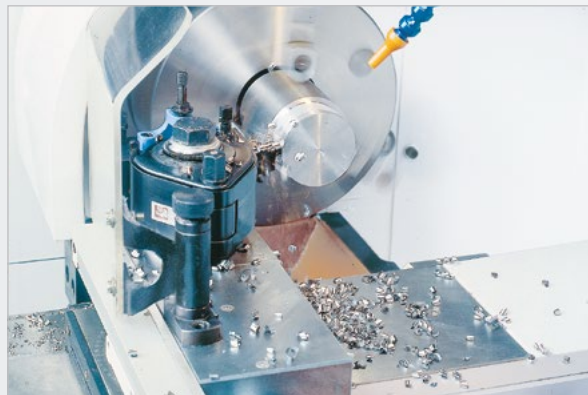


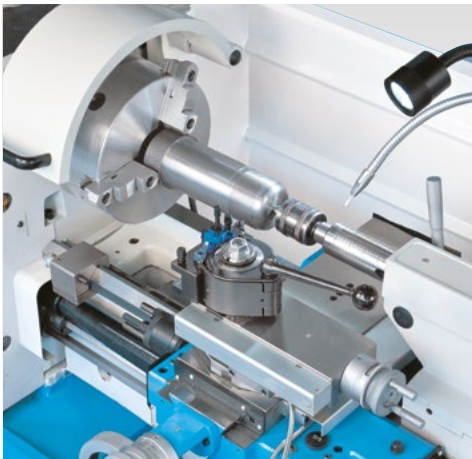
**incl. 3-axis position indicator
and integrated spindle speed
indicator, completely assembled**

- center width 1000 / 1500 mm
- max. turning diameter over bed 410 mm
- infinitely variable spindle speeds up to 3000 rpm
- powerful motor 5.5 kW



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
- 5.5 kW 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

SPECIFICATIONS

Specifications V-Turn	410/1000	410/1500
Working Area		
center width	1000 mm	1500 mm
turning diameter		
- over bed (max)	410 mm	410 mm
- over support (max)	255 mm	255 mm
- over bridge (max)	580 mm	580 mm
X axis travel	210 mm	210 mm
Z1 axis travel	140 mm	140 mm
bridge length	250 mm	190 mm
bed width	250 mm	250 mm
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	52 mm	52 mm
spindle mount	Camlock D1-6	Camlock D1-6
spindle taper	MT 6	MT 6
Feed		
X axis feed	0.025 - 0.85 mm/rev	0,025 - 0,85 mm/rev

	410/1000	410/1500
Z axis feed	0.05 - 1.7 mm/rev	0,05 - 1,7 mm/rev
Thread Cutting		
thread cutting - metric	(39) 0.2 - 14 mm	(39) 0,2 - 14 mm
thread cutting, diametric	(21) 8 - 44 DP	(21) 8 - 44 DP
thread cutting, module	(18) 0.3 - 3.5 mm	(18) 0,3 - 3,5 mm
thread cutting, Whitworth	(45) 2 - 72 TPI	(45) 2 - 72 GPZ
Tailstock		
tailstock quill diameter	Ø 50 mm	Ø 50 mm
tailstock taper	MT 4	MT 4
tailstock quill stroke	120 mm	120 mm
tailstock cross adjustment	± 13 mm	± 13 mm
Drive Capacities		
main motor rating	5.5 kW	5,5 kW
power supply	400 V	400 V
Dimensions/Weight		
dimension	1940 x 1060 x 1360 mm	2042 x 810 x 1350 mm
weight	1550 kg	1800 kg
Part No.	300 820	300 821

Standard Equipment

- 3-axis position indicator	- coolant system	- splatter guard	- thread gauge
- 4-jaw face chuck Ø 250 mm	- follow rest and steady rest	- support guard	- operating tools, operator manual
- face plate with 350 mm diam.	- turret stop	- chuck guard	
- change gears	- micrometer stop	- foot brakes	
- 4-station tool holder	- chip tray	- halogen work lamp	

SPECIFICATIONS



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 200 mm, Camlock 1-6, 4000 rpm	146 372
- 4-jaw chuck, Ø 200 mm, Camlock 1-6, 4000 rpm	146 472
- quick-change tool holder set WB	103 195
- plus assembly	103 315
- live center MT 4	106 755
- live Centers, assortment MT 4	106 790
- oscillation element LT 33 (per piece)	103 321
- clamped Turning Tool Set 16/20/24 mm, 9-pc	108 780
- clamped turning tool set 25 mm	108 670
- indexable Insert Set 16 / 20 / 24 mm, 30-pc	108 782
- indexable insert set, 25 mm, 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
- chuck flange CAMLOCK 1-4 160	100 655

3-axis position indicator

X.pos 3

For machines with constant cutting speed

- increased accuracy
- lower error rate
- higher production safety
- significant time savings
- increased productivity
- easy to read display
- user-specific functions
- good keyboard layout
- resolution 0.01 / 0.005 mm
- default coordinates
- maintains the axis position when the display is turned off
- storage for 10 tools
- radius / diameter toggle
- mm/inch conversion
- 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

