



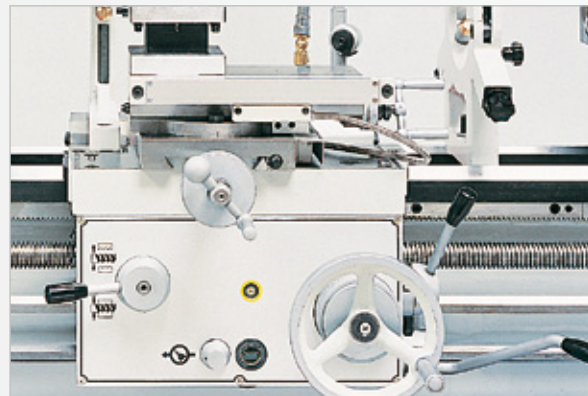
Universal Lathe DM 1000 A

**including
3-axis position indicator**

- center width 40"
- max. turning diameter over bed 16"
- large spindle capacity of 2.1"
- powerful motor, 7.5 Hp



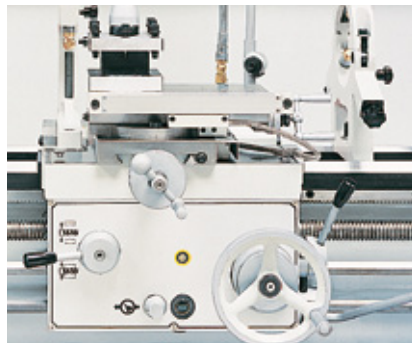
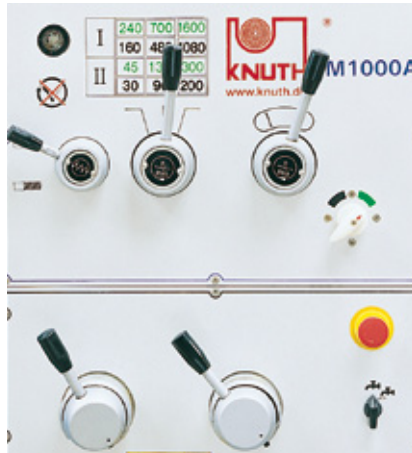
DM 1000 A





Extremely reliable and rigid standard lathe, proven over many years!

- adjustable overload clutch in the support prevents gear breaks during overload conditions
- foot brakes for instant stop and shut-down of the headstock
- chuck guard
- gears and shafts are hardened and ground
- heavy-duty bed with large dimensions, hardened and precision-ground
- support guides are adjustable via taper gibs
- gap bed with bridge
- rear headstock supported by tapered roller bearings and compression bearings
- front headstock supported by double-row cylindrical roller bearings
- headstock runs in oil-bath
- Camlock D1-6 spindle mount
- feed gears and apron gears run in oil-bath



DESCRIPTION

DM 1000 A



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Specifications DM 1000 A	
Working Area	
center width	40"
turning diameter over bed (max)	16"
turning diameter over support (max)	9.5"
turning diameter over bridge (max)	23"
X axis travel	8.9"
Z1 axis travel	5.5"
bridge length	8"
bed width	11.4"
top-slide swivel range	± 45°
Headstock	
spindle speed	(12) 30 - 1600 rpm
spindle bore	2.1"
spindle mount	Camlock D1-6
spindle taper	MT 6
Feed	
X axis feed	0.0015" - 0.043" /rev
Z axis feed	0.0022" - 0.04" /rev
Thread Cutting	
thread cutting - metric	(25) 0.02" - 0.79"
thread cutting, diametric	(30) 160 - 3 1/2 DP
thread cutting, module	(24) 0.01" - 0.4"
thread cutting, Whitworth	(35) 80 - 1 3/4 TPI
Tailstock	
tailstock quill diameter	Ø 2.4"
tailstock taper	MT 4
tailstock quill stroke	5"
tailstock cross adjustment	± 0.4"
Drive Capacities	
headstock motor rating	7.5 Hp
power supply	400 V
Dimensions/Weight	
dimensions	86" x 38" x 51"
weight	3200 lbs
Part No.	320 612

Standard Equipment
- 3-axis position indicator
- 3-jaw chuck, Ø 9.8"
- 4-jaw face chuck Ø 12.6"
- face plate 20.5" diam.
- change gears
- 4-station tool holder
- follow rest and steady rest
- splatter guard
- chuck guard
- foot brakes
- halogen work lamp
- reducing sleeve
- 2 dead centers
- operating tools
- operator manual

Optional
- 4-jaw lathe chuck 7.9"
- quick-change WB tool holder set
- live center MT 4
- oscillation element LT 33
- clamped turning tool set 0.98"
- coolant concentrate 1.32 gal
- Power Worker chip lift-off device
- turret MT 4
- knurl holder
- knurling tool kit, angled
- quick-adjusting spindle bore stop, size 6 (46-58)
- indexable insert set, 0.98" (30 pieces)
- accessory set, MT 4 (8 pieces)

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

