

Precise **screw cutting and bar lathes**. Perfect technique, fully equipped, easy-to-operate.
“VARIO” type with frequency converter **“Made in Germany”**

Convincing arguments: quality, efficiency and price

- Hardened and ground slideways
- Camlock spindle holding fixture ASA D1 - 6”
- Hardened and ground, oil-quenched main spindle running on 2 adjustable precision taper roller bearings
- All metric thread pitches at a range from 0.2 up to 14 mm/rev and all inch-based threads at a range from 72 to 2 threads/inch may be adjusted without changing the change gears via control levers on the control panel
- Guaranteed concentricity precision of the spindle nose better than 0.015 mm
- Central lubrication at the lathe slide
- Removable bed bridge
- Right-/left-handed rotation at the lathe slide, switchable via indexing spindle
- Emergency-stop button, protective motor switch, lockable main switch

- “Vario” type with frequency converter “Made in Germany” with extreme high-torque and mostly constant torque progression
- Cover for leading spindle
- Mechanical feet spindle brake
- Adjustable scale of the threading gauge
- Halogen machine lamp with articulated arm supplied as standard
- Coolant equipment with dosing and stop valve supplied as standard
- Test certificate
- Manufactured according to DIN 8606 (toolmaker’s precision)

Model	D 420 x 1000	D 420 x 1500
Item No	340 1160	340 1165
€ VAT excl.	7'990.00	8'990.00

Model	D 420 x 1000-DPA	D 420 x 1500-DPA
Item No	340 1160DPA	340 1165DPA
€ VAT excl.	9'480.00	10'780.00

Features of performance

Electrical connection

Motor power 4.5 kW 400 V ~50 Hz

Coolant equipment 90 W

Machine data

Center height	210 mm	
Center width	1000 mm	1500 mm
Turning Ø over lathe bed	420 mm	
Turning Ø over compound slide	250 mm	
Turning Ø without bed bridge	590 mm	
Length of bed bridge	260 mm	
Spindle speed	45 - 1800 rpm	
Spindle speed <i>Vario machines</i>	10 - 2500 rpm	
Number of steps	16 steps	
Spindle taper	MT6	
Spindle holding fixture	Camlock ASA D1 - 6”	
Spindle hole	52 mm	
Bed width	250 mm	
Top slide - travel	140 mm	
Compound slide - travel	230 mm	
Tailstock holding fixture	MT4	
Tailstock sleeve travel	120 mm	
Longitudinal feed	0.05 - 1.7 mm/rev	
Crossfeed	0.025 - 0.85 mm/rev	
Pitch - Metric (39 pitches)	0.2 - 14 mm/rev	
Pitch - Inch (45 pitches)	72 - 2 threads/1”	
Trapezoid thread (21 threads)	8 - 44	
Modular thread (18 threads)	0.3 - 3.5	
Quadruple tool holder seat height (max.)	20 mm	
Dimensions		
Length	1950 mm	2450 mm
Width x Height	910 x 1350 mm	
Net weight	1550 kg	1800 kg

D 420 x 1000-DPA / D420 x 1500-DPA

- Incl. digital position display DPA 2000
- Incl. glass scales
- Incl. assembly



i Detailed information for DPA 2000 on page 95

**Vario retrofit for
D420 x 1000-DPA
D420 x 1500-DPA**

- Incl. Vario retrofit kit 400V
- Exchange digital position display DPA 2000 to DPA 2000S
- Incl. assembly

Vario retrofit for D 420 x 1000-DPA
 Item No 340 2941
 € 3'100.00 VAT excl.

Vario retrofit for D 420 x 1500-DPA
 Item No 340 2942
 € 3'100.00 VAT excl.

D 420 x 1000
D 420 x 1500

Main spindle

- Hardened and ground
- Running in a oil quench
- Running on 2 adjustable precision taper roller bearings

Main spindle gearwheels

- Smooth running, hardened and ground

Fast acting feed gear

- Closed type
- Toothed wheels and shafts hardened and ground
- Running oil-quenched on precision bearings

Turret

- With fine adjustment acting as limit stop of lathe slide

Slide

- Precisely machined
- Top slide rotatable by 360°
- Handwheels with adjustable precision scaling of 0.04/0.02 mm
- Quadruple tool holder
- All guidings adjustable via V-ledges
- Chip protection at the top slide

Tailstock

- Adjustable by ± 13 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling

Substructure and engine plate

- Meehanite casting
- One-piece casting

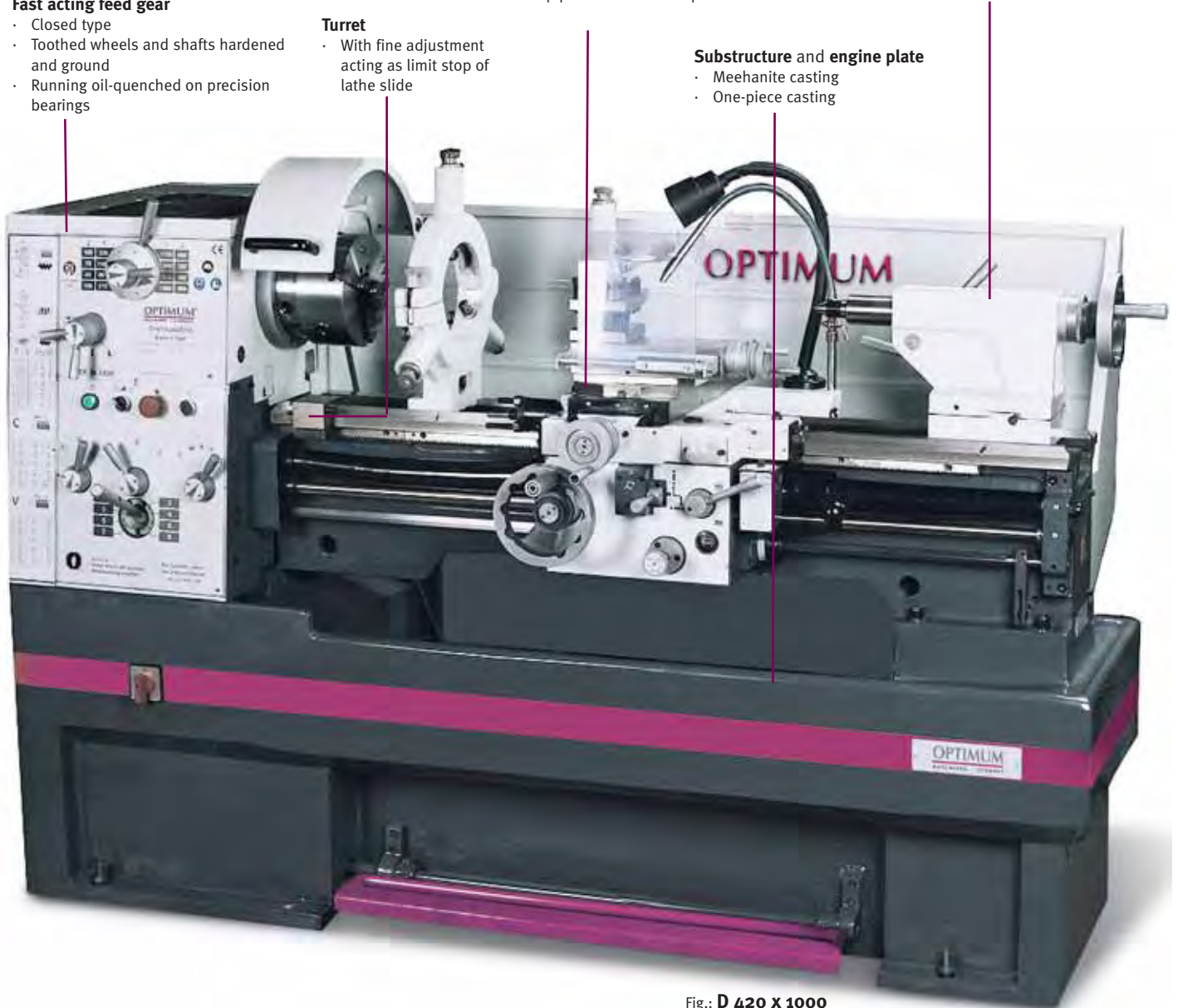


Fig.: D 420 x 1000

Turning

Extent of supply

- 3-jaw chuck Ø 200 mm
- 4-jaw chuck Ø 250 mm with universally adjustable jaws
- Plane clamping disk Ø 350 mm
- Reducing bush MT6/MT4
- 2 steady centers MT4
- Steady rest passage from 15 to 160 mm
- Follow rest passage from 15 to 70 mm
- Machine substructure
- Spindle brake
- Mounted splash board
- Lathe chuck protection
- Chip protection at the top slide
- Turret limit stop with fine adjustment
- Threading gauge
- Quadruple tool holder
- Coolant equipment
- Machine lamp
- Change gear kit
- Operating tool
- First filling with high-grade mobile oil

Accessories

Accessories	Item No	€ VAT excl.
· RÖHM 3-jaw chuck Ø 200 mm	344 1535	459.00
· RÖHM 4-jaw chuck Ø 200 mm	344 1536	525.00
· RÖHM 3-jaw chuck Ø 250 mm	344 4020	990.00
· RÖHM 4-jaw chuck Ø 250 mm	344 4021	1'080.00
· RÖHM plane clamping disk Ø 400 mm	344 4038	1'090.00
· Cutting tool HM 20 mm, 7 pcs.	344 4011	185.00
· Quick-action tool holder SWH 5 - B	338 4305	520.00
· Factory assembly SWH	900 0400	95.00
· Collet chuck kit 3 - 25 mm, 5C, 17 pcs.	344 1509	300.00
· Revolving center MT4	344 0704	60.00

More accessories from page 82 on