

# OPTI D 460 x 1000/OPTI D 460 x 1500/OPTI D 460 x 2000

Heavy, fully equipped **screw cutting and bar lathes**, very smooth running and low-vibration. Substructure and engine plate made of one piece each. **“VARIO”** type with frequency converter **“Made in Germany”**

**NEW**

**with advanced equipment**

Digital position display  
DPA 2000  
Glass scales  
Quick-action tool holder

## Convincing arguments: quality, efficiency and price

- Hardened and ground slideways
- Camlock spindle holding fixture ASA D1 - 6”
- Guaranteed concentricity precision of the spindle nose better than 0.015 mm
- Closed fast acting feed gear. toothed wheels and shafts hardened and ground, running in an oil quench on precision bearings
- Clearly arranged gear selector levers to switch the feed speeds
- Central lubrication at the lathe slide
- Right-/left-handed rotation at the lathe slide, switchable via indexing spindle
- Mechanical longitudinal feed switch off of the lathe slide with four adjustable cams
- Coolant equipment with dosing and stop valve
- Tailstock can be shifted by  $\pm 15$  mm for taper turning
- Emergency-stop button, protective motor switch, lockable main switch
- Digital position display DPA 2000 for a precise measuring of the travels
- Mounted glass scales with an accuracy of 5  $\mu$ m
- “Vario” type with frequency converter “Made in Germany” with extreme high-torque and mostly constant torque progression
- Quick-action tool holder with tool holder for square tools
- Cover for leading spindle
- Mechanical feet spindle brake
- Halogen machine lamp with articulated arm supplied as standard and coolant equipment with dosing and stop valve
- Adjustable scale of the threading gauge
- Prepared for subsequent add-on of a rapid feed “Rapid Speed”
- Test certificate
- Manufactured according to DIN 8606 (toolmaker’s precision)

Model	D 460 x 1000-DPA	D 460 x 1500-DPA	D 460 x 2000-DPA
Item No	340 2100DPA-B	340 2150DPA-B	340 2200DPA-B
€ VAT excl.	<b>11'500.00</b>	<b>12'780.00</b>	<b>14.040,00</b>
<b>Features of performance</b>			
<b>Electrical connection</b>			
Motor power		5,5 kW 400 V ~50 Hz	
Coolant equipment		100 W	
<b>Machine data</b>			
Center height		230 mm	
Center width	1000 mm	1500 mm	2000 mm
Turning $\varnothing$ over lathe bed		465 mm	
Turning $\varnothing$ over compound slide		270 mm	
Turning $\varnothing$ without bed bridge		690 mm	
Length of bed bridge		240 mm	
Spindle speed		25 - 2000 rpm	
Spindle speed <i>Vario machines</i>		10 - 2500 rpm	
Number of steps		12 steps	
Spindle taper		MT6	
Spindle holding fixture		Camlock ASA D1 - 6”	
Spindle hole		58 mm	
Bed width		300 mm	
Top slide - travel		128 mm	
Compound slide - travel		285 mm	
Tailstock holding fixture		MT4	
Tailstock sleeve travel		130 mm	
Longitudinal feed (40 feeds)		0.031 - 1.7 mm/rev	
Crossfeed (40 feeds)		0.014 - 0.784 mm/rev	
Pitch - Metric (53 pitches)		0.1 - 14 mm/rev	
Pitch - Inch (40 pitches)		112 - 2 threads/1“	
Trapezoid thread (50 threads)		4 - 112	
Modular thread (34 threads)		0.1 - 7	
Quadruple tool holder seat height (max.)		25 mm	
<b>Dimensions</b>			
Length	2200 mm	2750 mm	3250 mm
Width x Height		1080 x 1370 mm	
Net weight	1720 kg	1977 kg	2400 kg

Vario retrofit	Incl. Vario retrofit kit · Replace DPA 2000 by DPA 2000S · Incl. assembly		
Item No	340 2945	340 2946	340 2947
€ VAT excl.	<b>3'200.00</b>	<b>3'200.00</b>	<b>3'200.00</b>

D 460 x 1000  
D 460 x 1500  
D 460 x 2000

### Main spindle

- Hardened and ground
- Running in a oil quench
- Run 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

### Bed bridge

- Removable

### Slide

- Handwheels with adjustable precision scaling of 0.04/0.02 mm
- Quick-action tool holder
- All guidings adjustable via V-ledges
- Chip protection at the top slide
- Central lubrication of the slideways

### Digital position display

- Supplied as standard

### Substructure and engine plate

- Meehanite casting
- One-piece casting

### Tailstock

- Adjustable by ± 15 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.025 mm

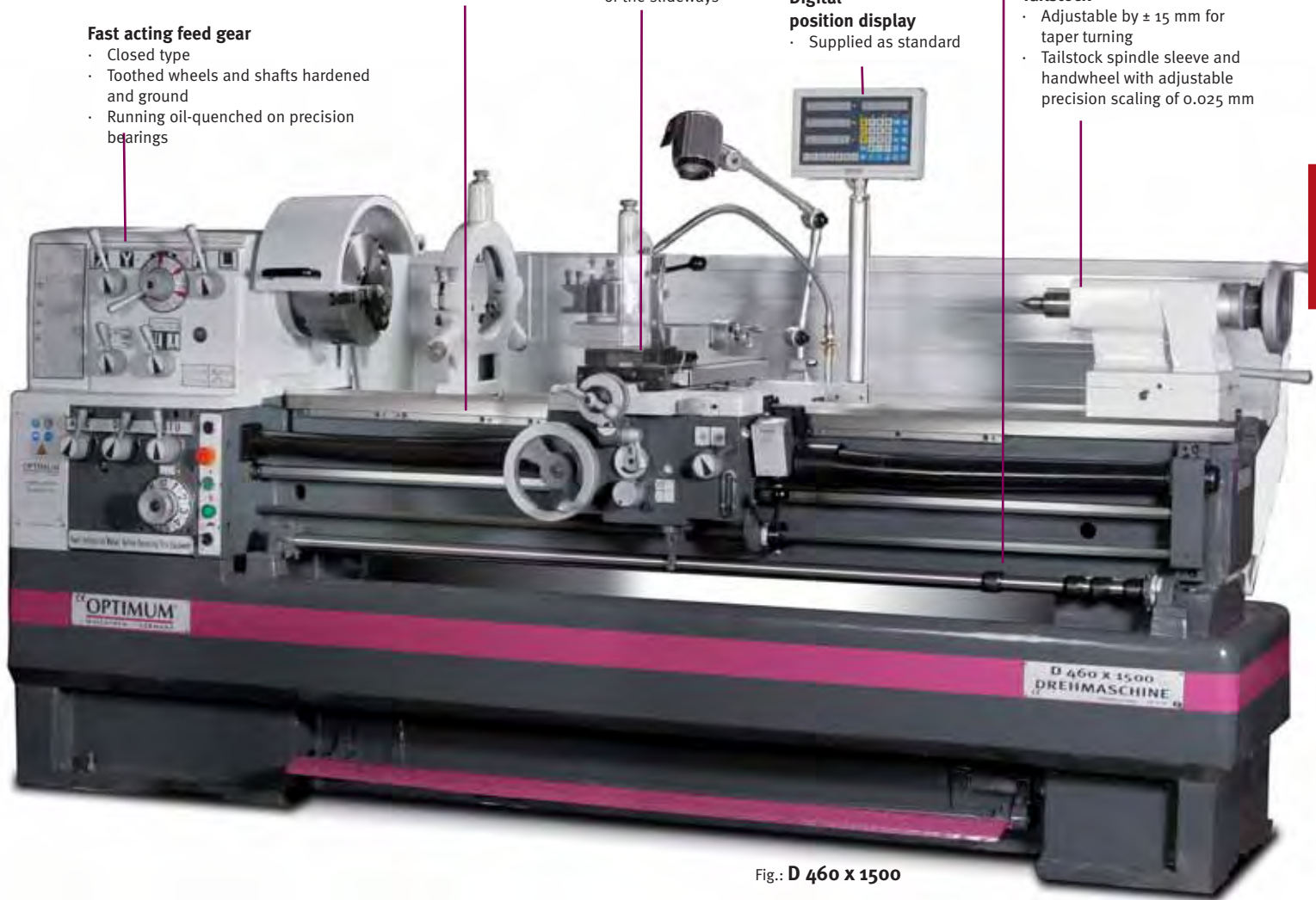


Fig.: D 460 x 1500

### Extent of supply

- 3-jaw chuck Ø 250 mm
- 4-jaw chuck Ø 300 mm with universally adjustable jaws
- Plane clamping disk Ø 350 mm
- Reducing bush MT6/MT4
- 2 steady centers MT4
- Steady rest passage from 25 to 178 mm
- Follow rest passage from 19 to 114 mm
- Digital position display DPA 2000
- Glass scales
- Machine substructure
- Spindle brake
- Splash board mounted
- Lathe chuck protection
- Threading gauge
- Quick-action tool holder
- Coolant equipment
- Machine lamp
- Change gear kit
- Operating tool
- First filling with high-grade mobile oil

### Accessories

	Item No	€ VAT excl.
• <b>ROHM</b> 3-jaw chuck Ø 200 mm	344 1535	<b>459.00</b>
• <b>ROHM</b> 4-jaw chuck Ø 200 mm	344 1536	<b>525.00</b>
• <b>ROHM</b> 3-jaw chuck Ø 250 mm	344 4020	<b>990.00</b>
• <b>ROHM</b> 4-jaw chuck Ø 250 mm	344 4021	<b>1'080.00</b>
• <b>ROHM</b> plane clamping disk Ø 400 mm	344 4038	<b>1'090.00</b>
• Universal collet chuck attachment 5C	344 4006	<b>259.00</b>
• Collet chuck kit 3 - 25 mm, 17 pcs. 5C	344 1509	<b>300.00</b>
• Cutting tool 20 mm, 7 pcs.	344 4011	<b>185.00</b>
• Position limit stop 4-stage adjustable	344 4022	<b>89.00</b>
• Revolving center MT4	344 0704	<b>60.00</b>

More accessories from page 82 on