

## OPTIturn® TU 2406 / TU 2406V

### Lathes for DIY.

TU 2406V with electronic speed control

#### Facts that impress in terms of quality, performance and price

- ▶ Precision workmanship
- ▶ Tempered and polished z-axis guideway
- ▶ Guaranteed concentricity of spindle nose better than 0.009 mm
- ▶ Roll-milled trapezoidal spindles
- ▶ Leading spindle borne on two sintered bearings
- ▶ Two tapered roller bearings in P5 quality
- ▶ Precision slide
- ▶ Hand wheels with adjustable fine scaling 0.04 / 0.01 mm
- ▶ Quadruple tool holder
- ▶ All guides adjustable using cleats
- ▶ Chuck concentricity better than 0.05 mm
- ▶ Leading spindle for thread tapping or automatic longitudinal turning
- ▶ Right-handed/left-handed rotation switchable via control panel
- ▶ Tailstock adjustable  $\pm 5$  mm for turning spheres
- ▶ Tailstock spindle sleeve and handwheel with adjustable fine scaling 0.02 mm
- ▶ Fast, easy adjustment without tools thanks to clamping lever
- ▶ Emergency stop button
- ▶ Thrust bearings
- ▶ Comprehensive range of accessories
- ▶ Three-jaw lathe chuck included in standard scope of delivery
- ▶ Lasting value

#### TU 2406 V

- ▶ Speed change easily adjustable via potentiometer
- ▶ Digital speed display
- ▶ EMC filter class C1

Accessories  
**Machine chassis**  
 Art. no. 3440409

**Vibration dampers machine base SE 1**  
 (6 pcs. needed)  
 Art no. 3381012

**Levelling platen SE 55**  
 (6 pcs. needed)  
 Art no. 3352981

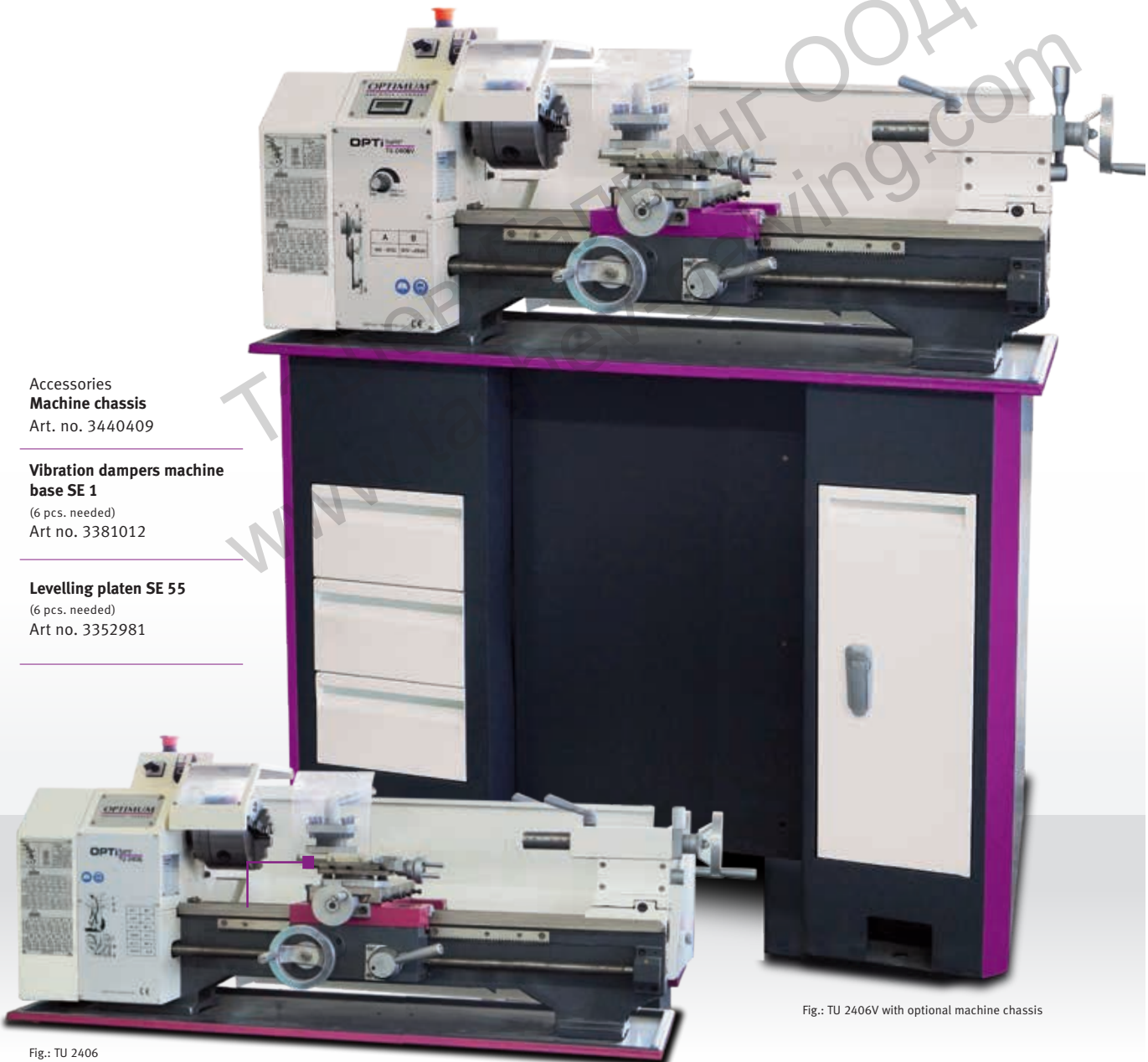


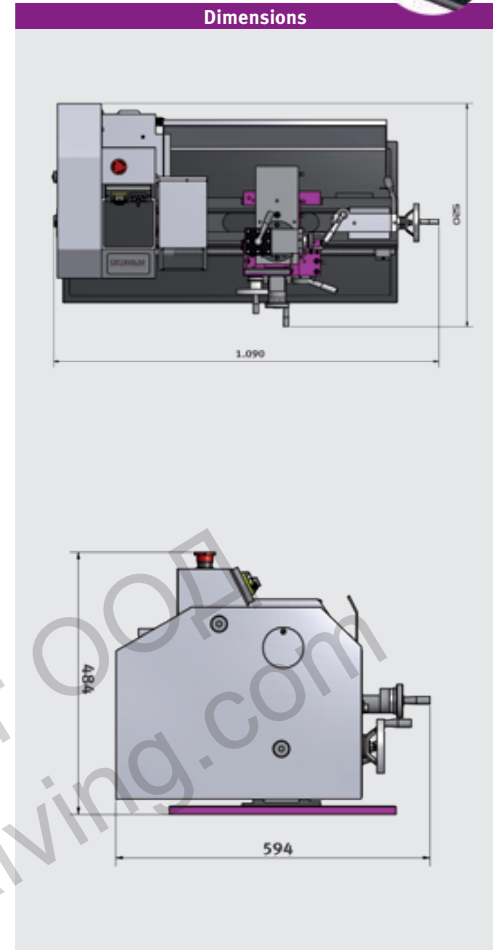
Fig.: TU 2406V with optional machine chassis

## Technical specifications, accessories and dimensions



Model	TU 2406	TU 2406V**
Article no. (230 V)	3420350	3420355
Article no. (400 V)	3420353	-

Technical specifications		
Electrical connection	230 V / 1 Ph ~ 50 Hz 400 V / 3 Ph ~ 50 Hz	230 V / 1 Ph ~ 50 Hz
Drive motor	750 W	1.1 kW
<b>Spindle</b>		
Spindle taper	MT 3	
Spindle seat	cylindrical Ø 52 mm	
Spindle bore, bar passage diameter	Ø 21 mm	
Quadruple tool holder mounting height	14 mm	
<b>Work area</b>		
Centre height	125 mm	
Centre width	550 mm	
Swing Ø over machine bed	250 mm	
Bed width	135 mm	
<b>Speed range</b>		
Spindle speed	125 - 2 000 rpm	150 - 2 500 rpm
Number of speeds	6 speeds	2-speed, electronic speed control
<b>Travel</b>		
Top slide travel	75 mm	
Cross slide travel	120 mm	
<b>Pitches</b>		
Pitch - metric in range	0.4 - 3.5 mm/rev (14 pitches)	
Pitch - inch in range	44 - 10 turns/inch (12 pitches)	
<b>Tailstock</b>		
Tailstock seat	MT 2	
Tailstock - quill stroke	70 mm	
<b>Dimensions</b>		
Length x width x height	1 090 x 594 x 484 mm	
Weight	125 kg	



Lathe chucks and accessories	Art no.
<b>Four-jaw lathe chuck</b> Ø 125 mm, centre clamping (Chuck flange 3440511 required)	3442812
<b>Four-jaw lathe chuck</b> Ø 125 mm, individual clamping (Chuck flange 3440511 required)	3442874
<b>Chuck flange</b> lathe chuck Ø 125 mm (lathe chuck 3442812/3442874)	3440511
<b>Clamping disc</b> Ø 220 mm	3440552
› Information about lathe chucks from page 184	

Scope of supply
› Three-jaw lathe chuck Ø 125 mm,
› Centre clamping
› Fixed centre MT 2 and MT 3
› Splashguard
› Chip tray
› Quadruple tool holder
› Replaceable gear set
› Operating tool

Accessories	Art no.
<b>Steady rest</b> passageway max. Ø 50 mm	3441315
<b>Follow rest</b> passageway max. Ø 34 mm	3441310
<b>Quick change tool holder</b> SWH 1-A	3384301
<b>Factory assembly</b> SWH 1-A	9000401
<b>Spare tool holder</b> 20 x 90 type D for square chisels	3384302
<b>Spare tool holder</b> 20 x 85 type H for round chisels	3384321
<b>Lathe tool set</b> 10 mm, 11-part (see page 189)	3441602
<b>Lathe tool set</b> 12 mm, 11-part (see page 189)	3441603
<b>Lathe tool set</b> 12 mm, 5-part (see page 189)	3441666
<b>Lathe tool set</b> 12 mm, 5-part "Made in Germany"	3441212
Information on „Lathe tool set“ from page 190	
<b>Collet chuck</b> ER 25, cylindrical	3440505
<b>Collet chuck</b> ER 32, short taper	3440506
› More accessories for lathes from page 188	

Accessories	Art no.
<b>Digital position display</b> DRO 5 incl. 3 magnetic sensors	3383975
<b>Magnetic strip</b> length 1 100 mm	3383978
<b>Factory assembly</b>	9000420
› Information about position display on page 252	



\*Important information on „General notes on operating our machines“ on page 253

\*\*The lathe (frequency converter) complies with the DIN EN 55011 standard: class C1 - Note for operation with frequency converter on page 253