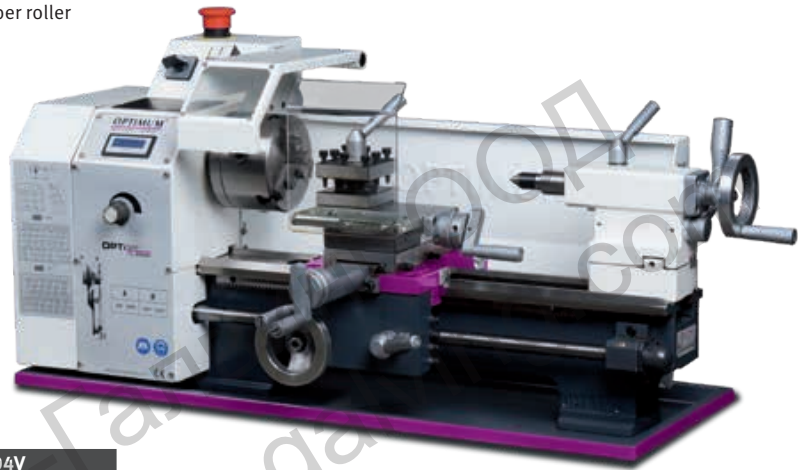


## OPTIturn<sup>®</sup> TU 2004V

### Modelbuilding lathe with electronic speed control and digital speed display

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

- ▶ Precision workmanship
- ▶ Ribbed cast steel prism bed with strong ribbing, induction tempered and precision ground
- ▶ Tempered and polished z-axis guideway
- ▶ Tempered spindle nose (DIN 6350)
- ▶ Guaranteed concentricity of spindle nose better than 0.009 mm
- ▶ Automatic longitudinal/leading spindle drive
- ▶ Roll-milled trapezoidal thread on lead spindle
- ▶ Leading spindle borne on two sintered bearings
- ▶ Longitudinal, cross and top slides
- ▶ Right-handed/left-handed rotation switchable via control panel
- ▶ Tempered main spindle borne on adjustable precision taper roller bearings
- ▶ Tapered roller bearings in P5 quality
- ▶ Cylindrical centring mount
- ▶ Tempered spindle nose with  $\varnothing$  21 mm spindle bore
- ▶ Lathe chuck concentricity better than 0.04 mm
- ▶ Tailstock adjustable 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
- ▶ Chuck protection
- ▶ Thrust bearings
- ▶ Gearbox with interchangeable gearwheels
- ▶ Quadruple tool holder, rotating
- ▶ Interchangeable gear set as standard enables large thread tapping area
- ▶ Three-jaw lathe chuck included in standard scope of delivery
- ▶ EMC filter class C1



Model	TU 2004V
Article no.	3420310
<b>Technical specifications</b>	
Electrical connection	230 V / 1 Ph ~ 50 Hz
Drive motor	600 W
<b>Spindle</b>	
Spindle taper	MT 3
Spindle bore	$\varnothing$ 21 mm
Spindle seat	cylindrical $\varnothing$ 72 mm
Passageway three-jaw chuck	$\varnothing$ 20 mm
Quadruple tool holder mounting height	12 mm
<b>Work areas</b>	
Centre height	100 mm
Centre width	300 mm
Max. turning diameter	200 mm*
Swing over cross slide	110 mm
Bed width	100 mm
<b>Speed range</b>	
Spindle speeds	150 - 2 500 rpm
Number of speeds	2 speeds. Electronic speed control
<b>Travel</b>	
Top slide travel	55 mm
Cross slide travel	75 mm
<b>Feed and pitches</b>	
Longitudinal feed within the range	0.1 - 0.2 mm/rev (2 feeds)
Pitch - metric in range	0.25 - 3 mm/rev (14 pitch)
Pitch - inch in range	44 - 8 turns/inch (12 pitches)
<b>Tailstock</b>	
Tailstock seat	MT 2
Tailstock - quill stroke	65 mm
<b>Dimensions L x H x W</b>	
Weight	830 x 425 x 360 mm 61 kg

#### Scope of supply

- › Three-jaw lathe chuck  $\varnothing$  100 mm, centre clamping
- › Fixed centre MT 2 and MT 3
- › Splashguard
- › Chip tray
- › Replaceable gear set
- › Quadruple tool holder
- › Operating tool

#### Lathe chuck

Lathe chuck	Art. no.
<b>Four-jaw lathe chuck</b> $\varnothing$ 100 mm, centre clamping (Chuck flange 3440312 required)	3442810
<b>Four-jaw lathe chuck</b> $\varnothing$ 100 mm, individual clamping (Chuck flange 3440312 required)	3442872
<b>Chuck flange</b> for lathe chuck $\varnothing$ 100 mm (3442810/3442872)	3440312
<b>Clamping disc</b> $\varnothing$ 170 mm	3440295
› Information about lathe chucks from page 184	

#### Accessories

Accessories	Art. no.
<b>Follow rest passageway</b> max. $\varnothing$ 40 mm	3440230
<b>Steady rest passageway</b> max. $\varnothing$ 50 mm	3440231
<b>Collet chuck ER 25</b> $\varnothing$ 72 mm	3440305
<b>Quick change tool holder</b> SWH-AA	3384311
<b>Factory assembly</b> SWH-AA	9000401
<b>Spare tool holder</b> 12 x 50 type D for square chisels	3384312
<b>Spare tool holder</b> 12 x 50 type H for round chisels	3384320
<b>Lathe tool set</b> 10 mm, 11-part	3441602
<b>Lathe tool set</b> 10 mm, 5-part	3441664

Information on „Lathe tool set“ from page 190

- › More accessories for lathes from page 188