

The small-scale lathe with electronically controllable speed

Facts that impress in terms of quality, performance and price

- ▶ Direct current motor
- ▶ Ribbed grey cast prism bed, induction tempered and ground
- ▶ Tempered and polished z-axis guideway
- ▶ Guaranteed concentricity of spindle nose better than 0.015 mm
- ▶ Chuck concentricity max. 0.05 mm
- ▶ Leading spindle for thread tapping or automatic longitudinal turning
- ▶ Longitudinal, cross and top slides
- ▶ Automatic longitudinal/leading spindle drive
- ▶ Large thread tapping area thanks to interchangeable gear set
- ▶ Three-jaw lathe chuck included in standard scope of delivery
- ▶ Fast and easy speed change through V-belt
- ▶ Safety switch in cover
- ▶ Right-handed/left-handed rotation switchable via control panel
- ▶ Chuck protection with microswitch
- ▶ Hand wheels with adjustable fine scaling 0.04 / 0.01 mm
- ▶ All guides adjustable without play using cleats
- ▶ Emergency stop button
- ▶ Low-voltage electronics
- ▶ EMC filter class C1



Model	TU 1503V
Article no.	3420260
Technical specifications	
Electrical connection	230 V / 1 Ph ~50 Hz
Drive motor	450 W
Spindle	
Spindle taper	MT 1
Spindle bore	Ø 11 mm
Spindle seat	cylindrical Ø 22 mm
Dual tool holder chuck height	12 mm
Work areas	
Centre height	75 mm
Centre width	265 mm
Max. turning diameter	150 mm*
Bed width	70 mm
Speed range	120 - 3 000 rpm
Number of speeds	Electronic speed control
Travel	
Top slide travel	40 mm
Cross slide travel	55 mm
Feed and pitch	
Longitudinal feed within the range	0.05 - 0.1 mm/rev (2 feeds)
Metric pitch	0.5 - 1.5 mm/rev (8 pitches)
Tailstock	
Tailstock seat	MT 1 short
Tailstock - quill stroke	30 mm
Dimensions L x W x H	570 x 340 x 300 mm
Weight	23 kg

Scope of supply
> Three-jaw lathe chuck Ø 80 mm, centre clamping
> Fixed centre MT 1
> Splashguard
> Chip tray
> Replaceable gear set
> Dual tool holder
> Operating tool

Lathe chuck	Article no.
Three-jaw lathe chuck Ø 80 mm, single clamping	3440287
Four-jaw lathe chuck Ø 80 mm, individual clamping	3440286
Four-jaw lathe chuck Ø 80 mm, centre clamping	3442808
> Information about lathe chucks from page 184	

Accessories	Article no.
Follow rest passageway max. Ø 45 mm	3440210
Steady rest passageway max. Ø 40 mm	3440211
Lathe tool set 8 mm, 5-part	3441662
Lathe tool set 8 mm, 11-part	3441601
Information on „Lathe tool set HM 8 mm“ on page 189	
Travelling centre MT 1	3440700
Collet chuck ER 16, Ø 22 mm, cylindrical	3440281
Collet kit ER 16, 1 - 10 mm, 12-part	3440282
> More accessories for lathes from page 188	