

Fully equipped lathes for mechanics. TH 3610D with DPA 21 digital position display

Facts that impress in terms of quality, performance and price

- ▶ Tempered and polished z-axis guideway
- ▶ Spindle collet Camlock DIN ISO 702-2 no. 5
- ▶ Guaranteed concentricity of spindle nose better than 0.015 mm
- ▶ Gears and shafts tempered and ground, running in oil bath on precision bearings
- ▶ Motor circuit breaker, lockable main switch
- ▶ Clockwise/anti-clockwise rotation switchable on bed slide
- ▶ Leading spindle cover
- ▶ Machine chassis with tool compartments
- ▶ Emergency stop device with foot pedal
- ▶ Safety hand wheels with release function in the X and Z axis

TH 3610D

Digital position display DPA 21

- > User-friendly membrane keyboard, splash water protected, sealed and dazzle free
- > Greater operation accuracy
- > Reduction of error quota
- > X, Z, Z axis each with 8-digit display
- > Glass scales

Main spindle

- Running in oil bath
- Gearwheels easy action, tempered and ground

Slide

- Precise workmanship
- Hand wheels with adjustable fine scaling 0.04 / 0.02 mm
- Four x tool holder
- All guides adjustable using wedge rails
- Adjustment range top slide $\pm 90^\circ$

TH 3610D

- Digital position display DPA 21

Switch

- With lifecycle calculation
- tested in accordance with EN ISO 13849

Hand wheels

- Decoupled
- tested in accordance with EN 23125

LED machine lamp

- Integrated into chip guard

Prism bed

- With pronounced ribbing
- Grey cast iron
- Induction tempered and precision ground

Tailstock

- Adjustable ± 10 mm for turning balls
- Tailstock spindle sleeve and handwheel with adjustable fine scaling 0.025 mm

Clockwise/anticlockwise switch

- Two channel
- tested in accordance with EN 23125

Control cabinet

- 24 Volt DC adapter
- All contactors und relays by Siemens or Schneider



Chip tray

- Pulls out
- Guide rails

Machine chassis

- Tool compartments on both sides



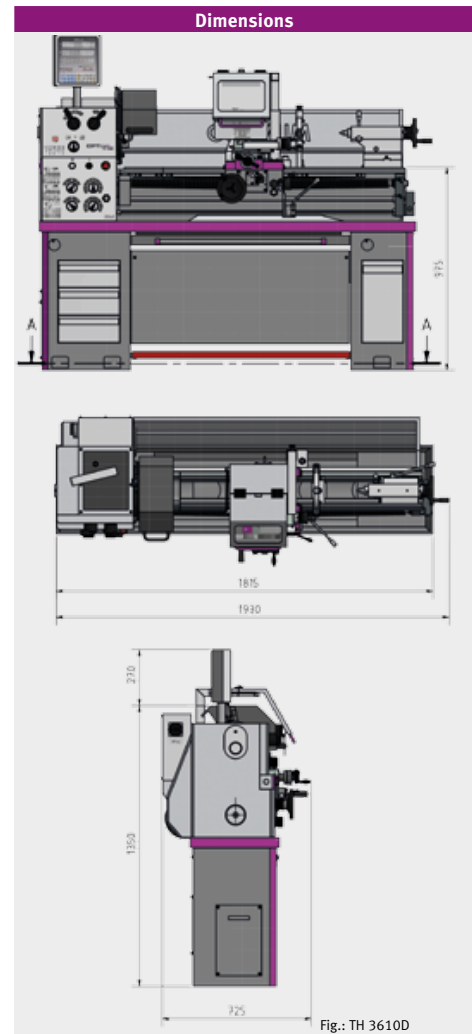
Fig.: TH 3610D - Shown with optional lathe chuck

Technical specifications, accessories and dimensions

Model	TH 3610	TH 3610D
article no.	3402050	3402060
Technical specifications		
Electrical connection	400 V / 3 Ph ~50 Hz	
Spindle		
Drive motor	1.5 kW	
Spindle taper	MT 6	
Spindle holder	Camlock DIN ISO 702-2 No. 5	
Spindle bore, bar passage diameter	Ø 52 mm	
Four x tool holder mounting height	max. 16 mm	
Work area		
Max. height	180 mm	
Max. width	980 mm	
Orbit Ø above machine bed	356 mm ⁽¹⁾	
Orbit Ø in the bed bridge	516 mm	
Turning length in bed bridge	160 mm	
Bed width	187 mm	
Speed range		
Spindle speed	70 - 2,000 rpm	
Number of gears	8 gears	
Strokes		
Top slide stroke	100 mm	
Cross slide stroke	170 mm	
Feeds and pitches		
Longitudinal feed within the range	0.052 - 1.392 mm/rev (32 feeds)	
Cross feed within	0.014 - 0.38 mm/rev (32 feeds)	
Pitch - metric in range	0.4 - 7 mm/rev (26 pitches)	
Pitch - inch in range	56 - 4 turns/inch (34 pitches)	
Tailstock		
Tailstock chuck	MT 3	
Tailstock spindle sleeve diameter / stroke	Ø 42 mm / 120 mm	
Dimensions		
Length x width x height	1,930 x 725 x 1,350 / 1,620 mm	
Net weight	610 kg	
Transport packaging flat rate**	TPFR 2	

Accessories	Art no.
▶ lathe chuck	
OPTIMUM Four-jaw lathe chuck Ø 200 mm no. 5, centric	3442845
OPTIMUM Four-jaw lathe chuck Ø 200 mm no. 5, individual	3442880
BISON three-jaw lathe chuck Ø 200 mm no. 5, centric	3450315
BISON Four-jaw lathe chuck Ø 200 mm no. 5, centric	3450365
▶ Tool holders and lathe tools	
Quick change tool holder SWH 3-E	3384303
Factory assembly SWH 3-E	9000400
Spare tool holder 20 x 100 type D for square chisels	3384304
Spare tool holder 30 x 100 type H for round chisels	3384322
NEW Lathe tool set 16 mm, 11-part	3441604
Lathe tool set 16 mm, 5-part	3441668
Lathe tool set 16 mm, 5-part "Made in Germany"	3441216
Lathe tool set 16 mm, 5-part	3441610
Information on „Lathe tool set“ on page 152	
▶ Accessories	
Collet chuck 5C	3441555
Spring collet set 3 - 25 mm, 5C, 17-part	3441509
Vibration-damping machine base SE 2 (6 pcs. required)	3381016
Position stop with granular adjustment	3441523
▶ More „Accessories Turning“ on page 148	

** PTO for an explanation of the packaging surcharges; details of TPFR plus VAT.
(1) Explanation see „General notes on operating our machines“ on page 211



**Remember to order
a lathe chuck**

Scope of Delivery
• Fixed steady passageway max. Ø 100 mm
• Travelling steady passageway max. Ø 95 mm
• LED machine lamp
• Reduction sleeve MT 6 - MT 3
• Two fixed centres MT 3
• Four x tool holder
• Set of interchangeable gears
• Machine chassis
• Machine initially filled with premium grade oil
• Operating tool