

## OPTIMUM OPTIturn TH4215D (1125-2200001)



**Control type**  
konventionell

**Construction year**  
NEU

**Machine no.**  
1125-2200001

**Make**  
OPTIMUM

**Location**  
49779 Niederlangen

Fully equipped master and feed spindle lathes. TH 4215 with digital position indicator DPA 21 / 3462070

- Hardened and ground Z-axis guideway
- Spindle mount Camlock DIN ISO 702-2 No. 6
- Precisely crafted slide
- Hand wheels with adjustable fine scaling 0.04 / 0.02 mm
- Quadruple steel holder
- All guides can be adjusted using V-ledges
- Adjustment range top slide  $\pm 90^\circ$
- Guaranteed concentricity of the spindle nose better than 0.015 mm
- Main spindle running in oil bath
- Smooth-running gear wheels, hardened and ground with 2 adjustable Precision tapered roller bearings
- Hand wheels decoupled and tested according to EN 23125
- Two-channel right-left switch tested according to EN 23125
- Switch with life cycle calculation, tested according to EN ISO 13849

- All metric pitches in the range 0.2 to 14mm/rev and all  
Inch threads in the range of 72 - 2 threads per inch without changing the  
Change gears adjustable by shift lever in the control panel
- Clockwise/counterclockwise rotation can be switched on the bed slide via the  
switching spindle
- Central lubrication in bed slide
- Meehanite cast base and machine bed in one piece
- Lead screw cover
- Emergency stop device with foot control
- Safety handwheels with snap-out function in the X and Z axes
- Tailstock for taper turning adjustable  $\pm 10$  mm
- Tailstock quill and hand wheel with adjustable fine scaling 0.025 mm
- Quick, easy and tool-free adjustment using a clamping lever
- Heavily ribbed prism bed, induction hardened and precision ground  
cast iron
- Coolant device with separate coolant tank with level indicator and  
oil separator; easy and complete emptying and cleaning according to DIN
- LED machine lamp in the chip guard

Models TH 4210D and TH 4215D with digital readout DPA21

- User-friendly membrane keyboard, splash-proof, closed  
and glare-free
- Glass scales

scope of delivery

- Fixed bezel passage  $\varnothing 15 - 145$  mm
- Revolving bezel passage  $\varnothing 10 - 75$  mm
- LED machine light
- Reducing sleeve MT 6 / MT 4
- Fixed center MK 4
- Change gear set
- Position stop with fine adjustment
- Initial filling of the machine with quality oil
- Operating tool

\*\* Incl. special accessory OPTIMUM three-jaw lathe chuck centrally clamping  $\varnothing$   
250 mm

\*\* Quick change holder SWH5-B set

## Machine attributes

turning diameter:	420 mm
turning length:	1500 mm
swing diameter over bed slide:	250 mm
Swingdiameter in the bed bridge:	590 mm
centre height:	210 mm
Turning length in the bed bridge:	260 mm
reus:	16 (45-1800) U/min
tail stock:	MK 4
quill stroke:	120 mm
diameter of quill:	50 mm
spindle taper:	DIN ISO 702-2 Nr. 6
spindle bore:	52 mm
spindle cone:	MK 6
feed:	längs 17 / 0,05 - 1,7 m/min
feed:	plan 17 / 0,025 - 0,85 m/min
total power requirement:	4,6 kW
weight of the machine ca.:	1340 kg
dimensions of the machine ca.:	2440 x 915 x 1375 mm

## Machine images



