Maschinen
www.heinz-sanders.de

Papenburg
Heinz Sanders GmbH
Friederikenstraße 100
26871 Papenburg
info@heinz-sanders.de

Niederlangen
Heinz Sanders GmbH
Fresenburger Weg 4
49779 Niederlangen
maschinen@heinz-sanders.de

Spelle
Heinz Sanders GmbH
Robert-Bosch-Straße 9
48480 Spelle
spelle@heinz-sanders.de

OPTIMUM OPTIturn TH 5620D
(1125-2200008)

© Heinz Sanders GmbH

Control type
konventionell

Construction year
NEU

Machine no.
1125-2200008

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 ± 90°

- 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 ± 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
  andglare-free
- Glass scales

scope of delivery
- Fixed bezel passage Ø 15 - 145 mm
- Revolving bezel passage Ø 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 centrically clamping Ø
250 mm
** Quick change holder SWH5-B set

Machine attributes

turning diameter:	560 mm
turning length:	1910 mm
swing diameter over bed slide:	355 mm
Swingdiameter in the bed bridge:	790 mm
centre height:	280 mm
Turning length in the bed bridge:	170 mm
reus:	12 (25-1600) U/min
tail stock:	MK 5
quill stroke:	180 mm
diameter of quill:	75 mm
spindle taper:	DIN ISO 702-2 Nr. 8
spindle bore:	80 mm
spindle cone:	MK 7
feed:	längs 35 / 0,059 - 1,646 m/min
feed:	plan 35 / 0,020 - 0,573 m/min
total power requirement:	8,5 kW
weight of the machine ca.:	2560 kg
dimensions of the machine ca.:	3450 x 1150 x 1650 mm

Machine images