

Tornos DECO 10

Application type: CNC sliding headstock automatic lathe

Machine type: Swiss-type CNC turning machine

Year: 2010

Numerical control: Fanuc 16i-TB

Number of CNC axes: 9

Sliding headstock design

Maximum bar diameter approx. 10 mm

Collet chuck system F13

Main spindle speed up to 16,000 rpm

Counter spindle speed up to 12,000 rpm

Independent counter spindle S4

Cross slide with 4 tool positions T11–T14 with vertical and horizontal movement

Cross slide with 4 tool positions T21–T24 with vertical and horizontal movement

Front tool unit with 3 tool positions T31–T33

Additional cross slide with horizontal and vertical movement for counter spindle operations

Three independent pneumatic cylinders for fast positioning

Motor for driven tools up to 12,000 rpm

Swiveling workpiece pick-off device at counter spindle

Workpiece unloading system into collection container

4 positions for back working tools

Fully enclosed working area

Compressed air preparation system

Coolant pump with variable flow rate

Machine work light with magnetic base

Service and maintenance tool set

Electrical interface cuts for safety system

Conformity with EC and CEM standards

Absolute measuring system

99 tool geometry offsets

31 tool corrections per axis

Operating and setup functions via control panel

Operating hours display and parts counter

Override functions

Ethernet interface

RS232 interface

PCMCIA card interface

Programming software TB-DECO ADV

Tool radius compensation

Standard cycle for threading

Cutting monitoring during parting

Initialization cycle for new bar material

Bar feeder interface prepared for LNS loader

Motorization for driven tool units on tool carrier X2-Y2

Preparation for driven tool units

Oil tank included

Chip collection container included

Operating manual in German

Electrical connection 380-420 V / 50 Hz

Maintenance and service history:

Machine commissioning 2010

Hydraulic system installed during commissioning

Coolant system installed during commissioning

Compressed air system installed during commissioning

Hydraulic pump for bar end activated

Coolant pump head replaced after pump seizure

Relay replaced due to magazine error "clamp not opened"

C-axis S1 and S4 activated

LCD monitor replaced

Main spindle overhauled and reinstalled