



CNC-Training Center SMARTLAB

For basic CNC knowledge and skills
in the safe use of CNC machines

SMARTLAB Package

- **CNC Inclined Bed Lathe**
with automatic 4-station
tool changer and tailstock
- **Vertical Machining Center**
with automatic 4-station
tool changer
- Siemens SINUMERIK 808D on PC
- Detailed programming instructions



THE MACHINES

Ideal for vocational training and continuous
employee training

- These mobile CNC machines offer full functionality
- This includes automatic tool changes for productive real-world training prerequisites.

LabTurn 2028 - CNC Inclined Bed Lathe

- Turning diameter over bed 200 mm
- Travel Z-axis 175 mm
- 4-station tool changer
- Rigid cast-iron inclined bed design ensures good stability and efficient chip removal
- Precision linear guides ensure high stability and accuracy
- Central lubrication
- 4-station tool turret with 4 tools for inside and outside turning
- 100 mm 3-jaw chuck and rigid tailstock are included in standard equipment

LabCenter 260 - CNC Milling Machine

- Travels (X / Y / Z) 260 x 152 x 180 mm
- Motor rating main drive 1 kW
- 4-station tool changer
- Precisely machined frame made of high-quality cast iron
- Dovetail guides and preloaded ball screws with servo drives on all axes
- Max. spindle speeds up to 5000 rpm
- Electronic hand-wheel for efficient and professional set-up

THE CONTROL - SINUMERIK 808D

The ideal Entry-level CNC System

- Easy, intuitive user guidance, ideal for basic turning and milling applications.
- High performance and precision.

Siemens Sinumerik 808D

- Self-explanatory, powerful control with small footprint
- Intelligent motion control - MDynamics
- Sinumerik 808D on PC - included with standard equipment

Compact and robust with panel-based CNC design requiring minimal interfaces, and a resistant IP65 control panel make the SINUMERIK 808D the perfect control for dirty and harsh workshop environments. Additional features of the SINUMERIK 808D are low-profile chicklet key caps for effortless operation and the familiar SINUMERIK soft-key touch and feel.

The SINUMERIK 808D is optimized for turning and milling functions and its technology-specific features make it the perfect control for lathes and machining centers. The range of applications extends from basic standardized milling machines or simple machining centers to cycle lathes and full CNC lathes.

Its MDynamics motion control ensures top class turning and milling results.