



CNC Training Center BASIC

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

BASIC Package

- **CNC Inclined Bed Lathe**
Automatic tool changer,
hydraulic chuck, hydraulic tailstock
- **Vertical Machining Center**
Automatic 8-station tool changer
- Siemens SINUMERIK 808D on PC
- Training PC
- Video camera
- Detailed programming instructions



THE MACHINES

Ideal for vocational training and continuous employee training

- These compact CNC machines feature the same functionality as large production machines.
- This includes automatic tool changes for productive real-world training prerequisites.

Roturn 320 - CNC Inclined Bed Lathe

- Turning diameter over bed 320 mm
- Z axis travel 210 mm
- 6-station tool turret
- Machine frame is constructed as a solid heavy 45° inclined bed to ensure maximum rigidity and easy chip removal
- Rectangular guideways on Z are hardened and ground, ensuring high rigidity and accuracy even at highest loads
- V-block guides on X axis ensure high load capacity
- 6-station tool turret reduces idle times

EcoCenter 250 - CNC Milling Machine

- Travels (X / Y / Z) - 250 x 200 x 300 mm
- Main spindle drive motor 2.2 kW
- 8-station tool changer
- Compact yet heavy due to a premium cast-iron machine frame with superior rigidity
- Linear guides and preloaded ball screws with servo drives on all axes
- Wide speed range from 100 to 5000 rpm, infinitely variable
- High rapid feed with speeds up to 10,000 mm/min plus 8-station tool changer for reduced downtimes

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.