

# TURBO 4X

## 4-axis CNC Tool Grinding Machine For The Re-grinding of Cutting Tools



For mass production of various materials, the surface quality of the final product is decided in the moment that the cutting edge meets the workpiece. That is why it is essential to have tools that are always optimally prepared and ready to regrind whenever necessary. The TURBO Series is a very efficient, fully automatic solution for this issue. All you need to do is clamp the tool onto the grinding machine and enter the processing parameters using the CNC control panel. TURBO 4X does the rest all by itself.



**abm**  
*Grinding Technologies*

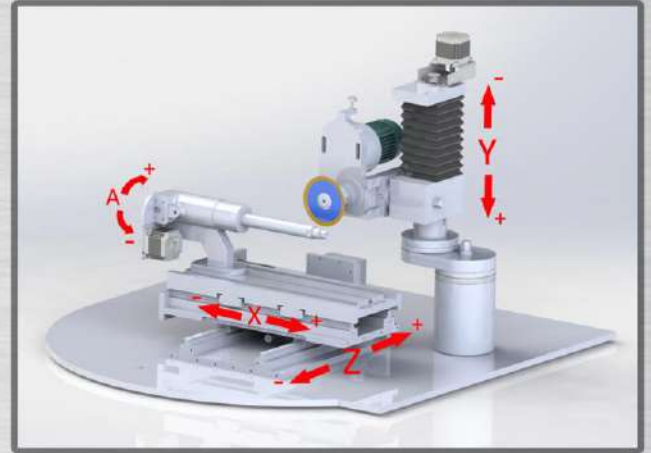
# TURBO 4X

## 4-axis CNC Tool Grinding Machine

TURBO 4X is ideally suited to the re-sharpening of cutters, hobs, end mills, router bits, finger jointing knives and planing heads and profiled moulders. Optional accessories are available depending on the application type and for increasing productivity.

### GENERAL FEATURES

- High precision CNC technology.
- Automatic CNC 4 axes tool grinder
- Windows operating system, PC controlled.
- CNC linear bearing system extends machine lifetime and enhances grinding quality.
- 17" LCD screen control panel.
- Neat oil coolant system.
- Central lubrication.
- Updating a program through internet connection if demanded.
- 360° rotatable dividing head.
- Max.260mm grinding length.
- Rigid machine base.
- Production conformed with CE standards.
- Minimum space required.
- Non-corroding and hardening plating on all mechanical components.

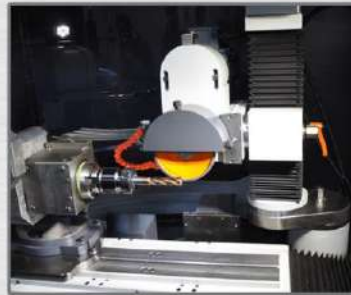


### OPTIONALS

- Fire detection camera
- Air filtration system (MIST X)
- Oil filtration system (FILTRON)
- Oil coolant system

### TECHNICAL SPECIFICATIONS

Longitudinal axis (X)	260mm
Infeed axis (Y)	260mm
Vertical axis (Z)	250mm
Dividing head (A)	360°
Rotation of grinding head (C)	+/- 180°
Grinding motor	1,1 kW
Maximum wheel diameter	150mm
Weight	1000 kg
Dimensions	140x170x180 cm



Helical Tool Grinding



17" HMI Screen



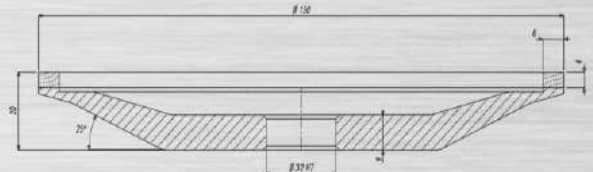
Hand Wheel for accurate positioning of selected axis

### Cutting Tools



### Grinding Wheel

CBN/Diamond Wheel



D: Ø150mm  
H: Ø32mm