# NC powerdrive basic 2

## NCpowerdrive-Hardware

- Ready to use solution for 4 axes
- Industrial power amplifiers up to 6 A
- Jumperless configuration by software
- USB interface
- Defineable inputs and outputs
- Emergency off for the integration in the machine
- 0 - 10 V analog output für amplifier / spindle
- 230 V electric socket switchable
- Safe connections by industrial plugs for motor and reference switch
- Flexible integration of reference switches (mechanical, inductive)

## NCdrive-Software

- Manual and automatic mode
- Control for 3 linear axes and 4th linear or rotational axis
- Import of programs accr. to DIN 66025
- Separate configuration of feeds, gears and rampf for each axis
- Unlimited look ahead
- Override for spindle speed and feed
- Procedures for a comfortable definiton of zero points
- Geometry cycles for manual milling of contours and pockets
- Administration for zero points
- Consideration of reverse play
- Control of tool changer and coolant
- Integrated Control für switching outputs or macros
- Correction of radius
- Manual methods to run the machine by the keyboard or mouse, override driven by potis
- Direct Input for G-commands
- Comfortable handling by hotkeys, adaptable for keyboard or external switches
- Optional linkage of pre processors for the direct import of e. g. NCP-programs
- Survey of emergency stop

## Simulation mit NClyzer light

- OpenGL-simulation for the control of the tool paths and material removal
- 3D-illustration von workpiece and tool
- Error display and program preview
- Optinally with feed optimizer, multi side processing and error analysis