



NCpowerdrive **XT** - a complete CNC-solution with 5 (opt. 9) axes

The target for the development of NCpowerdrive **XT** was, to realize a plug-and-play CNC-controller, that satisfies even ambitious users. The result is a full package in a compact steelcase or as a 19"-rack, that supports in standard design up to 5 axes (step/direction). Ncpowerdrive **XT** works with a clock frequency of max. 4 Mhz and a resolution up to 10.000 steps/turning. The dynamic power amplifiers support current up to 7 A .

All parameters of the cnc-controller can be set by software. For the communication with the machine-computer TCP/IP (Ethernet RJ 45) or USB is available. The user can define all kinds of machine configurations using the integrated PLC functions (SPS).

The menus of the software - as all CNC-programs of 4CAM - are designed according to G-Code as DIN 66025 and the well-known symbols and terms of professional CNC-applications. Furtheron NCpowerdrive **XT** supports use with a touchscreen monitor. It's a good tradition of 4CAM products that the CNC-software is part of a full-integrated CAD/CAM - CNC chain working in direct combination with MegaNC. Thus the user can solve his daily tasks from design to the machining in one software system.

- Modular system up to 5 axes (optional 9 axes simultaneously)
- Connection by TCP/IP (Ethernet) oder USB
- Software NCdrive **XT**
- Working with G-Code acc. DIN 66025, direct implementation of MegaNC
- Optional: Cycles (hand mode) for a quick, interactive definition of NC-code
- 5 axes with max. 4 MHz stepping frequency, integrated processor controlled stepping drivers for an intelligent supply of 2 phases motors (1-7 A, 200 - 10.000 steps), all parameters configurable by software
- Reference switch and overrun switches for each axes with optocouplers, 24 V and 5V for active sensors
- 6 digital inputs, free configurable (optocoupler with 20 mA, 24 V)
- 6 digital outputs, partly used internally (ext. electric socket, activation of power, activation of emergency chain)
- optional 2 extension modules with 6 digital inputs and 6 dig. outputs
- 4-level safety system (Controller-, machine-, emergency- and final-position chain)

Option for customer specific solutions

... one step ahead
with NCpowerdrive **XT**

