



VIRTUAL NC CORES

FASTCONTROL enables exact simulations of NC programs by using the full controller functionality. By the way, the simulation is independent from the employed programming system. The state of the memory has to be read out and passed to the required Virtual Core. The handling of **FASTCONTROL** is easy: Simple settings within the postprocessor of the machine and the software is called automatically.

► PRODUCT FEATURES

- Integrated in CATIA V5 (Release 16 or higher)
- Supports the following Virtual NC Cores: Siemens VNCK and Heidenhain VirtualTNC
- Reliable statements for production and process engineering
- Generating of status reports
- Functionality for logging to support the failure analysis
- Visualization of process progress
- Client server architecture
- Comfortable licensing model
- Windows 2000 platform or higher
- Execution from CATIA by simple modifications in existing PIKs (Process Implementation Kit)

► CUSTOMER BENEFIT

- Increasing efficiency and competitiveness of machine tool suppliers and users
- Exact statements about time for successful benchmarks and detailed offers
- Valuable support for the development of machine tools controlled by SIEMENS or HEIDENHAIN controllers, e. g. design of controller cycles (drilling cycle, tool change, ...)
- Optimization of part programs and sub program routines
- Shortening of non-productive time: Errors are not searched at the machine, but in the simulation
- Reduction of collision risks: Collisions are detected in the simulation. Therefore they can be avoided during offline programming
- Increasing workpiece quality because of early error detection
- Reduction of ramp-up time

- Increasing of process safety
- No machine tool costs
- No interruption of the running production

► CONCLUSION

- **FASTCONTROL** is an other, important component in the area of virtual methods. This CENIT adapter offers machine tool suppliers and user an economic method for increasing the efficiency of their machine tools

fastCONTROL
MACHINING



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