

Hermle Cxx(x)U TNC530

Machine tool support kit for NX CAM and CAM Express

fact sheet

Siemens PLM Software

www.siemens.com/nx

► Summary

A machine tool support kit is a package consisting of post-processor, simulation driver, machine tool model, CAM templates, documentation, etc. that enables out of the box post processing and simulation for a specific machine tool using NX™ CAM or CAM Express software. This machine tool support kit is tailored for the Hermle CxxxU Series 5 axes dual table milling machine tool.

Content of the machine tool support kit:

- Post-processor
- Machine tool driver for simulation
- 3D machine tool model
- Machine specific NX CAM template
- Machine specific NX CAM UDE's
- Example data (part, setup, operations)
- Documentation (installation, usage)
- Installation routine (only for Microsoft Windows)

Supported software version

- NX 5

Prerequisites

- NX CAM Base
- NX Post Exec
- ISV – Adv. Simulation

These prerequisites are for example met with the MACH 2, 3 and 4 bundles of NX.

Technology used

- Post-processor: TCL based
- Simulation driver: TCL based
- Simulation support for external NC-Programs (programs containing the same syntax as the programs generated by this machine kit)

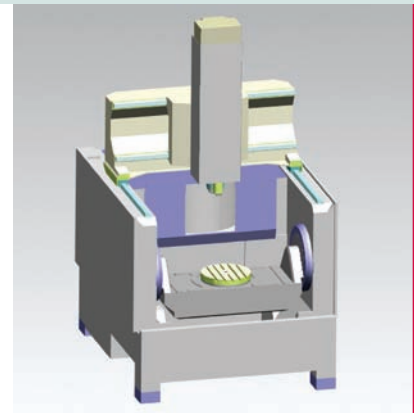
Supported machine tool configurations

- Hermle C40U with iTNC530 Controller
- Hermle C600U with iTNC530 Controller

Unit

- Metric

The supported units influence: post-processor output, simulation driver, contained NX part files.



Output and user interface in

- English

Supported capabilities

Kinematics modes

- Cycle19 (5 axis positioning)
- Plane spatial (5 axis positioning)
- M128 (5 axis simultaneous)
- Different kinematics modes in the same program
- Auto detection of needed Kinematics mode upon operation type

NC file types

- Heidenhain conventional language
- Output entire program
- Output sub programs (to be called in a job file on the controller)

General functionality

TOOL CALL	Tool change
L FMAX	Rapid move
L Fxx	Linear move
CC	Circle center
C DR+/DR-	Circular path C around circle center CC, clw/cclw
BLK FORM	Define blank form for graphic workpiece simulation
TOOL DEF	Tool list as comment in the program header
RL/RR	Cutter compensation
CYCL DEF 9.0/9.1	Delay time
CYCL DEF 32.0/32.1	Tolerance
Cycle DEF 19.0/19.1	Working plane

Canned cycle support

Cycle 201	Reaming
Cycle 202	Boring
Cycle 203	Universal drilling
Cycle 204	Back boring
Cycle 205	Universal pecking
Cycle 207	Rigid tapping new
Cycle 209	Tapping w/chip brkg

▶ Contact

Siemens PLM Software

Americas 800 498 5351

Europe 44 (0) 1276 702000

Asia-Pacific 852 2230 3333

www.siemens.com/plm

SIEMENS