F3 Simulator

CONTROLS
Control simulator SINUMERIK 802C (turning)
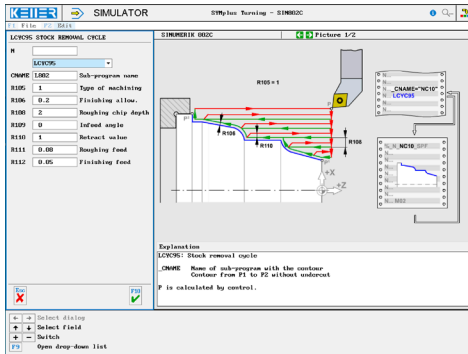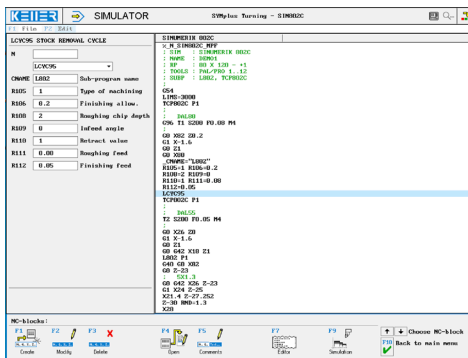
KELLER SOFTWARE

The control related simulator is an additional module for SYMplus. This simulator is used to learn the control system programming. A program generated by a postprocessor can also be edited and simulated.
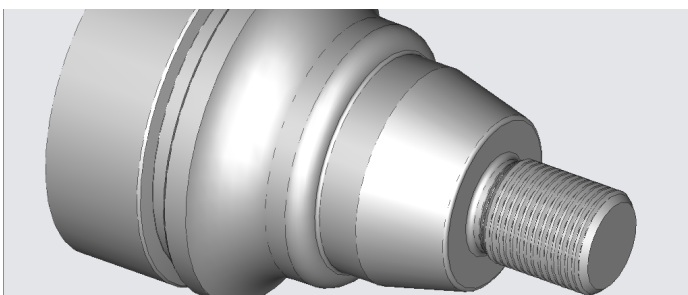
Help pictures and texts (for all input dialogues)

NC editor incl. input dialogue and syntax control

3D view with sections at any time of the simulation (with zoom and freely rotatable)

Keyboard information system:
Getting familiar with the meaning of all keys of the control system by moving the mouse cursor over the keys

COMMANDS/ FUNCTIONS/CYCLES

G0	Rapid traverse
G1	Line
G1 (A,A,X,Z)	Contour with two angles
G2	Arc, clockwise
G3	Arc, counter-clockwise
G4	Dwell time
G17/G18	Plane
G26	Speed limitation
LIMS	Speed limitation
G33	Thread cutting
G40/G41/G42	Radius compensation
G53	Zero offset off
G54-G57	Zero offset
G500	Zero offset off (modal)
G60/G64	Exact position/rounding
G90/G91	Dimensioning reference
G95/G96/G87	Feed in mm/constant cutting speed/ constant speed
G158	Zero offset absolute
G900/G901	Feed correction off/on
Comment	Explanations
UP-CALL	Sub-program call
R	Parameter list
T	Tool call
LCYC82	Drilling/countersinking
LCYC83	Deep-hole drilling
LCYC840	Tapping with
LCYC85	Reaming
LCYC93	Recessing cycle
LCYC94	Undercutting cycle
LCYC95	Stock removal
LCYC97	Thread cutting cycle
_CNAME	Sub-program name
X/Y/Z/F/S/M	Modal commands