

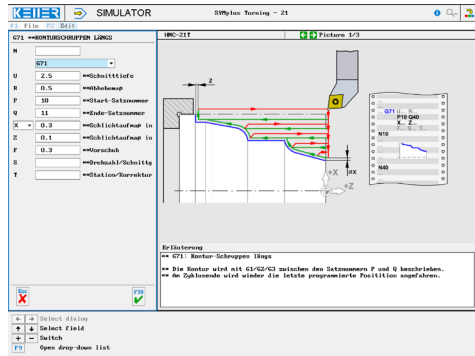
CONTROLS

Control simulator HNC 21i-T (turning)

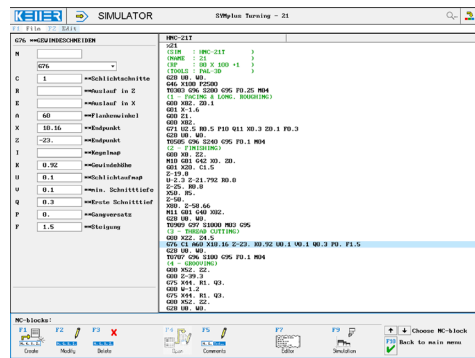


The control related simulator is an additional module for SYMplus. This simulator is used to learn the control system programming. A program generated by a postprocessor can also be edited and simulated.

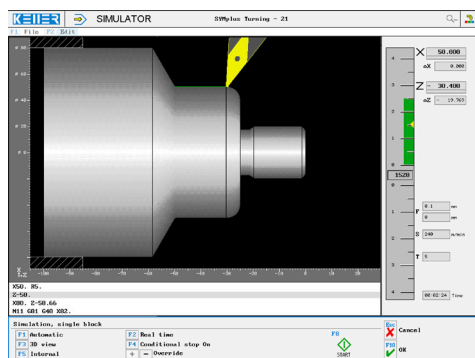
Help pictures and texts (for all input dialogues)



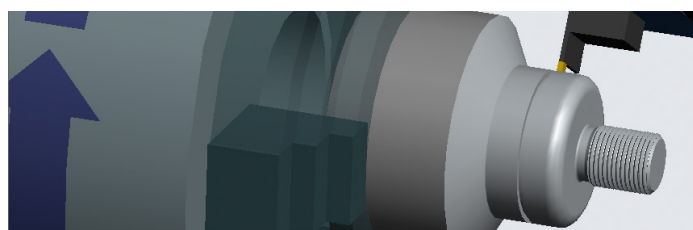
NC editor incl. input dialogue and syntax control



Perfect control due to simulation with position indicator (real time, fast mode, single block with path preview, measurement function, ...)



3D simulation with freely adjustable perspective



COMMANDS/ FUNCTIONS/CYCLES

- G00 Rapid traverse
- G01 Line
- G02 Arc, clockwise
- G03 Arc, counter-clockwise
- G04 Dwell time
- G28 Approach reference point
- G32 Thread cutting
- G40/G41/G42 Radius compensation
- G50 Speed limitation
- G53 Machine coordinates
- G54... Workpiece coordinate system
- G70 Finishing contour
- G71 Longitudinal roughing of contour
- G72 Face roughing of contour
- G73 Parallel roughing of contour
- G74 Face recessing
- G75 Longitudinal recessing
- G76 Threading
- G80 Longitudinal roughing
- G81 Face roughing
- G82 Threading cycle
- G92 Set local coordinates
- G96 Constant cutting speed
- G97 Constant speed
- G99 Feed per revolution
- T Tool call
- M Additional function
- M98 Program call
- XZ Modal commands
- Comment Explanations