



nccad milling software	nccad basic	nccad professional
Type of control		
2½ D interpolation, i.e. 2 axes can be displaced simultaneously , the 3rd axis can be advanced when required	●	●
3D interpolation, i.e. 3 axes can be displaced simultaneously, the 4th axis used for controlling the NC-rotary table	○	●
Support of microstepping, i.e. smooth run and high position resolution	●	●
Look A-head, i.e. an anticipatory program process	○	●
Dialog-oriented operator guidance		
dialog-oriented operator guidance	●	●
Program input		
graphical programming	●	●
according to DIN 66025 with G- and M-functions	●	●
Automatic creation of CNC programs		
on the basis of a designed contour according to DIN 66025	●	●
Data import		
DXF-files from a CAD system e.g. Auto CAD	●	●
HPGL files e.g. from Corel Draw	●	●
Import of 3D objects in STL-format	○	●
Contour generation by using the CAD module		
Drawings can be created directly	●	●
Coordinates can be entered or edited, e.g. commands can be changed, added and/or deleted	●	●
these functions are available: drawing of straight lines, curves, circles, polygons, engraved text etc.	●	●
Contours can be e.g. shifted, rotated, copied, mirrored and trimmed	●	●
Contour generation by means of mouse or keyboard	●	●
CAD special features like e.g. toothed wheel, ellipses, curve interpolations, engraved texts and circuit board milling	●	●
the drawings can be dimensioned	●	●
Technology values		
Input of technology values for the drawn contour e.g. feed, tool Ø, total depth, part in-feed, the lapping factor of the tool in the case of pocket milling, processing sequence etc.. Machining via single part, pocket angle parallel and contour parallel, track correction inside or outside	●	●
Graphic simulation		
for easy checking of programming errors	●	●
Graphic simulation with 3D view		
Simulation with the represented tool	○	●
for easy checking of programming errors	○	●
Workpiece can be rotated during the simulation for a better view	○	●

● yes ○ no

nccad milling software	nccad basic	nccad professional
Machine zero point		
Machine zero point is queried by means of a reference travel via limit switches	●	●
Workpiece zero points		
19 workpiece zero points can arbitrarily be set	●	●
Tool administration		
Tool administration	●	●
Tool memory		
Administration of up to max. 20 tools	○	●
Definition of tools e.g. diameter, cutting edge length	○	●
Manual control panel		
for displacing the individual axes without inputting a programm	●	●
Direct input of the travel value either by means of the keyboard or via the arrow keys in the manual control panel	●	●
Display of the current values on the screen	●	●
Help		
Manual integrated in the software	●	●
Direct help via the F1 key for the functions displayed in the menu bar	●	●
System requirements		
starting from Pentium 2 at least 600 MHz,	●	●
Working memory min. 64 MB RAM, CD drive	●	●
serial interface (RS232)	●	●
Graphic resolution 1024 x 786	●	●
60 MB left on hard drive	●	●
the 3D simulation requires a graphic card with a large memory such as GeForce2 made by NVIDIA	○	●
Operating systems		
Windows XP, Windows NT and Windows 7	●	●
Tool spindle		
Tool spindle can optionally be turned on or off via the software	●	●
Network		
compatible	●	●
Update		
to nccad professional is possible (provided that ball screws are used)	●	○
NC-rotary table		
(optional) for controlling the 4th axis	○	●
Electronic handwheel		
(optional) for the zero point travel	○	●

● yes ○ no