

nccad turning software

	nccad basic	nccad professional
Type of control 2D interpolation, i.e. 2 axes can be displaced simultaneously	X	X
2½D interpolation i.e. 2 axes can be displaced simultaneously the 3 rd axis is intended for controlling the 8 position tool changer		X
Support of microstepping, i.e. smooth run and high position resolution	X	X
Look A-head, i.e. an anticipatory program process		X
Dialogue-oriented operator guidance	X	X
Program input <ul style="list-style-type: none"> ■ to DIN 66025 with G- and M-functions ■ graphical programming 	X	X
Automatic creation of CNC programs <ul style="list-style-type: none"> ■ on the basis of a designed contour according to DIN 66025 	X	X
Data import <ul style="list-style-type: none"> ■ DXF-files from a CAD system e.g. Auto CAD ■ HPGL files e.g. from Corel Draw 	X	X
Contour generation by using the CAD module <ul style="list-style-type: none"> ■ Drawings can be created directly ■ Coordinates can be entered or edited, e.g. commands can be changed, added and/or deleted. ■ The following functions are available: drawing of straight lines, curves, circles, polygons etc. ■ Contours can be e.g. shifted, rotated, copied, mirrored and trimmed ■ Contour generation by means of mouse or keyboard 	X	X
The drawings can be dimensioned	X	X
Input of technology values for the drawn contour e.g. feed, in-feed depth, processing sequence, fine chip removal etc	X	X
Graphic simulation <ul style="list-style-type: none"> ■ for easy checking of programming errors 	X	X
Graphic simulation with 3D view <ul style="list-style-type: none"> ■ Simulation with the represented tool ■ for easy checking of programming errors ■ Work piece can be rotated during the simulation for a better view 		X
Machine zero point is interrogated by means of a reference travel via limit switches	X	X

nccad turning software

	nccad basic	nccad professional
Workpiece zero points <ul style="list-style-type: none"> 19 workpiece zero points can arbitrarily be set 	X	X
Tool administration	X	X
Tool memory <ul style="list-style-type: none"> administration of up to max. 20 tools definition of tools e.g. edge angle, cutting edge length, cutting edge geometry, etc. 		X
Manual control panel <ul style="list-style-type: none"> for displacing the individual axes without inputting a program direct input of the travel value either by means of the keyboard or the arrow keys in the manual control panel display of the current values on the screen 	X	X
Help <ul style="list-style-type: none"> manual integrated in the software direct help via the F1 key for the functions displayed in the menu bar 	X	X
System requirements <ul style="list-style-type: none"> starting from Pentium 2 at least 600 MHz working memory min. 64 MB RAM, CD drive serial interface (RS232) graphic resolution 1024 x 768 60 MB left on hard drive 	X	X
The 3D simulation requires a fast graphic card with a large memory such as GeForce2 made by NVIDIA		X
Operating systems <ul style="list-style-type: none"> Windows XP, Windows NT and Windows 7 	X	X
Thread cutting <ul style="list-style-type: none"> in CAD/CAM mode for longitudinal metric and inch threads up to 2.5 mm pitch 		X
The speed can be controlled via the software		X
Network compatible	X	X
Update <ul style="list-style-type: none"> to nccad professional is possible (provided that ball screws are used) 	X	
8 position tool changer – (optional)		X
Electronic handwheel – (optional) for the zero point travel		X