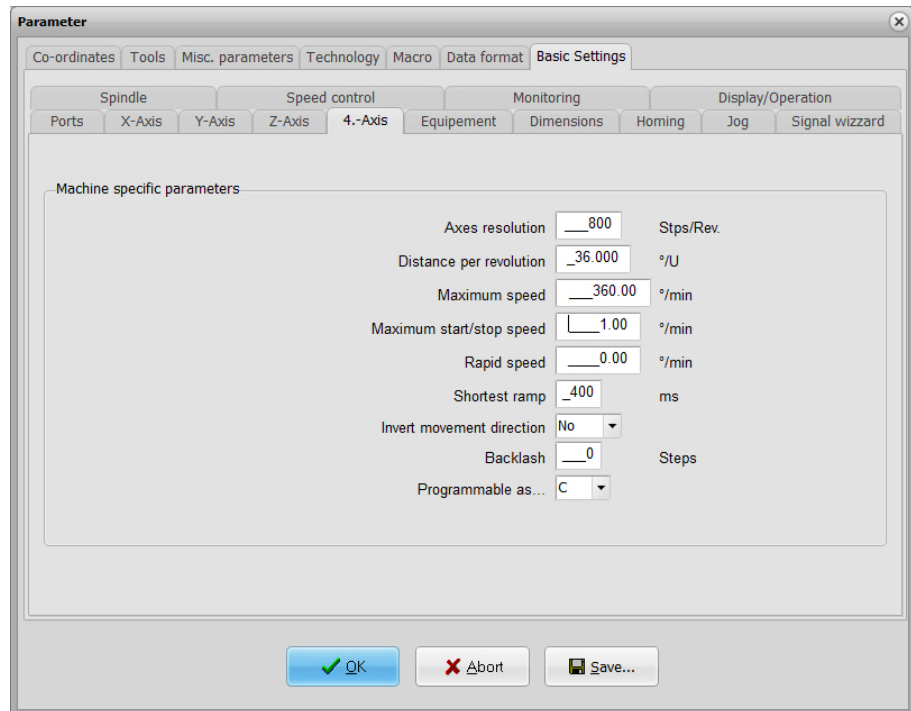


Basic settings- 4.-axis



Parameter Basic settings 4.-axis

WinPC-NC USB is able to manage and process a 4th axis. Programming can be effected, for example, by a Gcode program. An other possibility is the automaic direction rotation of the tangential axis by **WinPC-NC**.

Prior to use the 4th axis has to be enabled. Otherwise the parameter settings are not available.

Some of the paramters as speeds, invertng the dircection and reference switch are acting in the same way as for axes XYZ and not explained at this place.

Parameter settings and programming of parallel axis with letters U, V and W are made in mm and mm/sec. Settings of rotary axis with letters A, B and C are made in degree and degree/sec.

Axis resolution/distance per rotation

The resolution parameters operate in the same way as the standard X, Y, Z axes. If you enter 360 or 36 as the distance per rotation, then you can program the 4th axis as a rotational axis in degrees or 1/10 of a degree.

Programmable as...

*Letter for
programming*

The 4th axis can be addressed in G code programs using various axis letters. Axes parallel to X, Y, Z are normally designated U, V, W, while rotational axes in the X, Y, Z direction are programmed with A, B or C.

With 3D applications in most cases the 4th axis for filament feed is already programmed as E-axis.