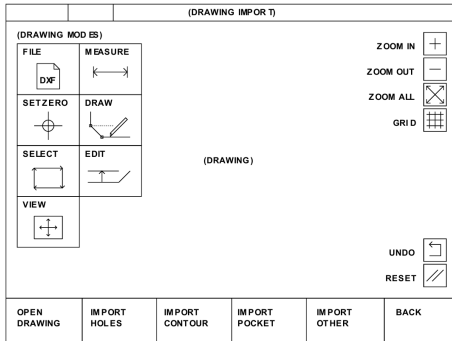


CAD Drawing Editor (DXF)

DynaPath WinDelta CNC Mill · Conversational Programming Quick Guide

The drawing window in the editor opens or creates DXF drawings and lets you pick holes and paths straight into events. **Set part zero on the drawing to match the work offset on the machine before you select anything.** [16]



Drawing window: drawing modes top left, zoom right, import buttons along the bottom [Fig. 16.3-1]

Drawing workflow Manual 16.2

- 1** **FILE** → **OPEN** a DXF from USB (HDD2) or the program folder (copy it over with SEND / RECEIVE), or **FILE** → **NEW** and type a name.
- 2** **VIEW**: SCALE, ORIENT (rotate about part zero) or MIRROR X / Y if needed. Check sizes with **MEASURE**.
- 3** **DRAW / EDIT**: add or tidy geometry.
- 4** **SET ZERO** at the point that matches your work offset (G54 etc.).
- 5** Add events and pick their geometry with **SELECT**.

NOTE Prepare DXFs on the PC first: keep only the geometry you need, delete tables and notes, and EXPLODE blocks and text that don't show into lines and arcs. [16.2]

Set zero and select Manual 16.5, 16.6

Function	Use it to
SET ZERO → POINT / INTERSECT / MEDIAN	Put part zero on an end, mid, quadrant or key point; on the intersection of two segments; or at the centre of several segments
SELECT → CIRCLES (+ BATCH SELECT)	Pick holes. Drag a box to group circles by size, then pick a group (last block = all)
SET Z ZERO / SET Z	Read hole start and end depths from a side view on the drawing
SELECT ARC	Pick arcs instead of full circles
SELECT SEGMENTS	Build a path segment by segment, open or closed; SELECT NEW PATH starts the next one
SELECT PATHS	Click one segment and its direction; the path follows connected segments automatically (choose at branches)
OFFSET SELECTED PATH	Offset the picked path by a distance

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Draw and edit tools Manual 16.8–16.10

Mode	Tools
MEASURE	Length, diameter, radius, angle, XY position from part zero
DRAW	Line (fixed angle / length), 3-point or start-centre-end arc, circles (centre + Ø, centre + point, 2 or 3 points), rectangles, trim, join, tangent line / arc, extend, delete, batch delete
EDIT	Fillet, chamfer (D1 + D2 or D1 + angle), copy, offset, move, rotate (with origin and copy), mirror (with axis and copy)
FILE	New, reload (discard changes), save, save as

Batch delete: dragging left-to-right deletes only what is fully inside the box; right-to-left also deletes anything it touches. [16.9]