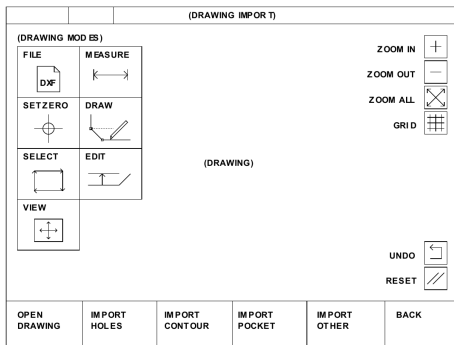


Drawing Import (DXF)

DynaPath WinDelta CNC Lathe · Conversational Programming Quick Guide

IMPORT DRAWING opens a DXF so you can pick profiles, holes and paths straight into events. Set part zero on the drawing to match the work offset on the machine: on a lathe that is normally the spindle centreline at the part's Z zero face. [16]



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

Drawing import workflow Manual 16.2

- 1 In the editor press **IMPORT DRAWING**, then **OPEN DRAWING** and choose the DXF.
- 2 **VIEW**: scale, orient or mirror if needed; check sizes with **MEASURE**.
- 3 **DRAW / EDIT**: add or tidy geometry.
- 4 **SET ZERO** at part zero (centreline at the Z zero face).
- 5 **SELECT** the geometry, then **IMPORT HOLES**, **IMPORT CONTOUR**, **IMPORT POCKET** or **IMPORT OTHER**.
- 6 For a turning profile, use **Import Path** in the Profile event (LC2).

NOTE Prepare DXFs on the PC first: keep only the half-section geometry you need, delete tables and notes, and EXPLODE blocks and text into lines and arcs. Profiles must end up in the X+ / Z+ quadrant, drawn right to left.

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 an intersection; or at the centre of several segments
SELECT → CIRCLES (+ BATCH SELECT)	Pick holes; drag a box to group circles by size
SET Z ZERO / SET Z	Read hole start and end depths from a side view
SELECT SEGMENTS	Build an open or closed path one segment at a time
SELECT PATHS	Click a segment and direction; connected segments are followed automatically
OFFSET SELECTED PATH	Offset the picked path by a distance

Draw and edit tools Manual 16.8–16.10

Mode	Tools
MEASURE	Length, diameter, radius, angle, XY position from part zero
DRAW	Lines, arcs, circles, rectangles, trim, join, tangent line / arc, extend, delete, batch delete
EDIT	Fillet, chamfer, copy, offset, move, rotate, mirror
FILE	New, reload, save, save as