

Start-up, Homing and Shutdown

DynaPath WinDelta CNC Lathe Control · Operator Quick Guide

Start with E-STOP pressed, finish with E-STOP pressed. Check the safety features at the start of every shift. [2.3]

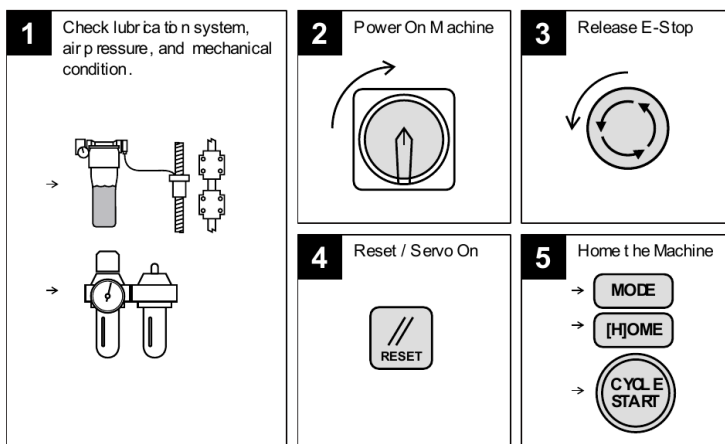
Pre-start checks Manual 4.3, 2.3

- ☐ Machine grounded, power cable undamaged
- ☐ Air supply on (if fitted), no leaks
- ☐ General mechanical condition OK
- ☐ Guards undamaged and closed
- ☐ Lube oil reservoir sufficiently filled
- ☐ No leaks under or around the machine
- ☐ E-STOP on panel and MPG stops all axis motion until released and RESET pressed
- ☐ Door stays locked while the spindle runs

Power on Manual 4.4

- 1** Press **E-STOP** (if not already down).
- 2** Switch on the main isolator on the electrical cabinet.
- 3** Wait for the control to finish booting.
- 4** Check no axis is in over-travel. If one is, see Guide 7.
- 5** Release **E-STOP**.
- 6** Press **RESET** to enable the servo drives.
- 7** Home the machine: **MODE** → **H (HOME)** → **CYCLE START**.
- 8** Clear any messages or alarms shown on screen. The machine is ready.

POWER ON

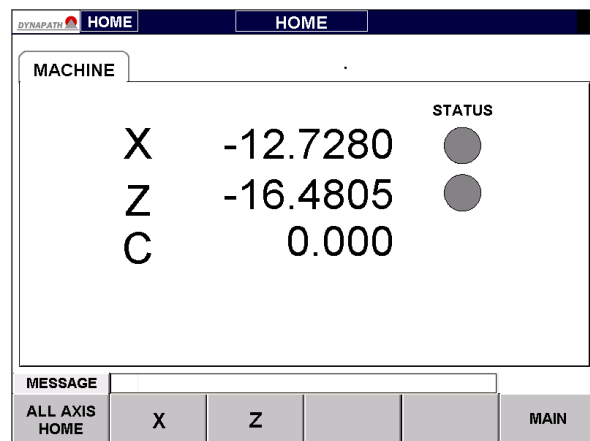


Power-on sequence [Fig. 4.4-1]

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Homing Manual 5.1



HOME screen: ALL AXIS HOME, or X and Z separately [Fig. 5.1-1]

- Make sure the tailstock, quill, turret, tools and fixtures can't hit anything on the way to home.
- **C-axis machines:** the C-axis must be homed. Press **C/S** to switch the spindle to C-axis mode, then press **C+** or **C-**.
- Axes with absolute encoders don't need homing; the jog key just moves them to their stored zero.

Shut down Manual 4.5

- 1 Press **RESET**.
- 2 In **JOG** mode, PARK the machine or bring each axis to mid-travel.
- 3 Press **E-STOP**.
- 4 Switch off the main isolator.
- 5 Unload the part and clear chips and coolant with a brush or scraper, not compressed air.