

Start-up, Homing and Shutdown

DynaPath WinDelta CNC Mill 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]

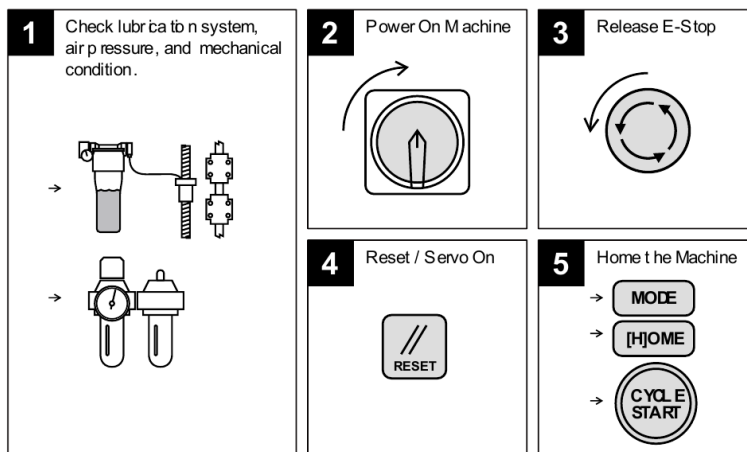
Pre-start checks Manual 4.3, 2.3

- ☐ Machine grounded, power cable undamaged
- ☐ Air supply on (if fitted), no leaks
- ☐ Axes free to travel, nothing obstructing
- ☐ Guards undamaged and closed
- ☐ Lube oil reservoir sufficiently filled
- ☐ No oil or coolant 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

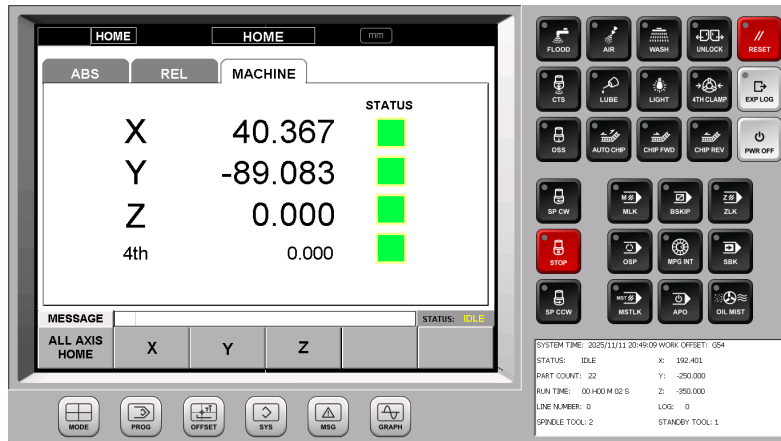


Power-on sequence [Fig. 4.4-1]

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Homing Manual 5.1



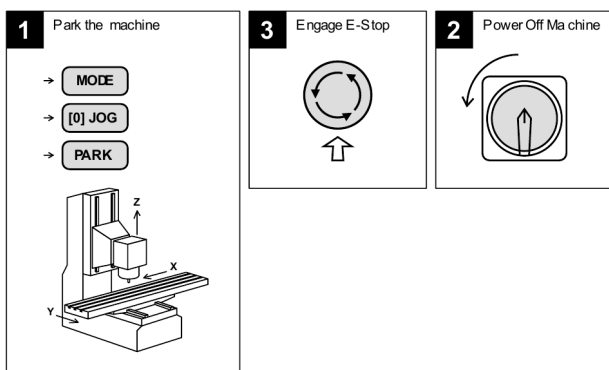
HOME screen: press CYCLE START to home [Fig. 5.1-1]

- Make sure the tool, quill, tool changer and fixtures can't hit anything on the way to home.
- Rotary axes: home these first using the C+/C-, 4+/4- or 5+/5- jog keys.
- 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.

POWER OFF



Power-off sequence [Fig. 4.5-1]