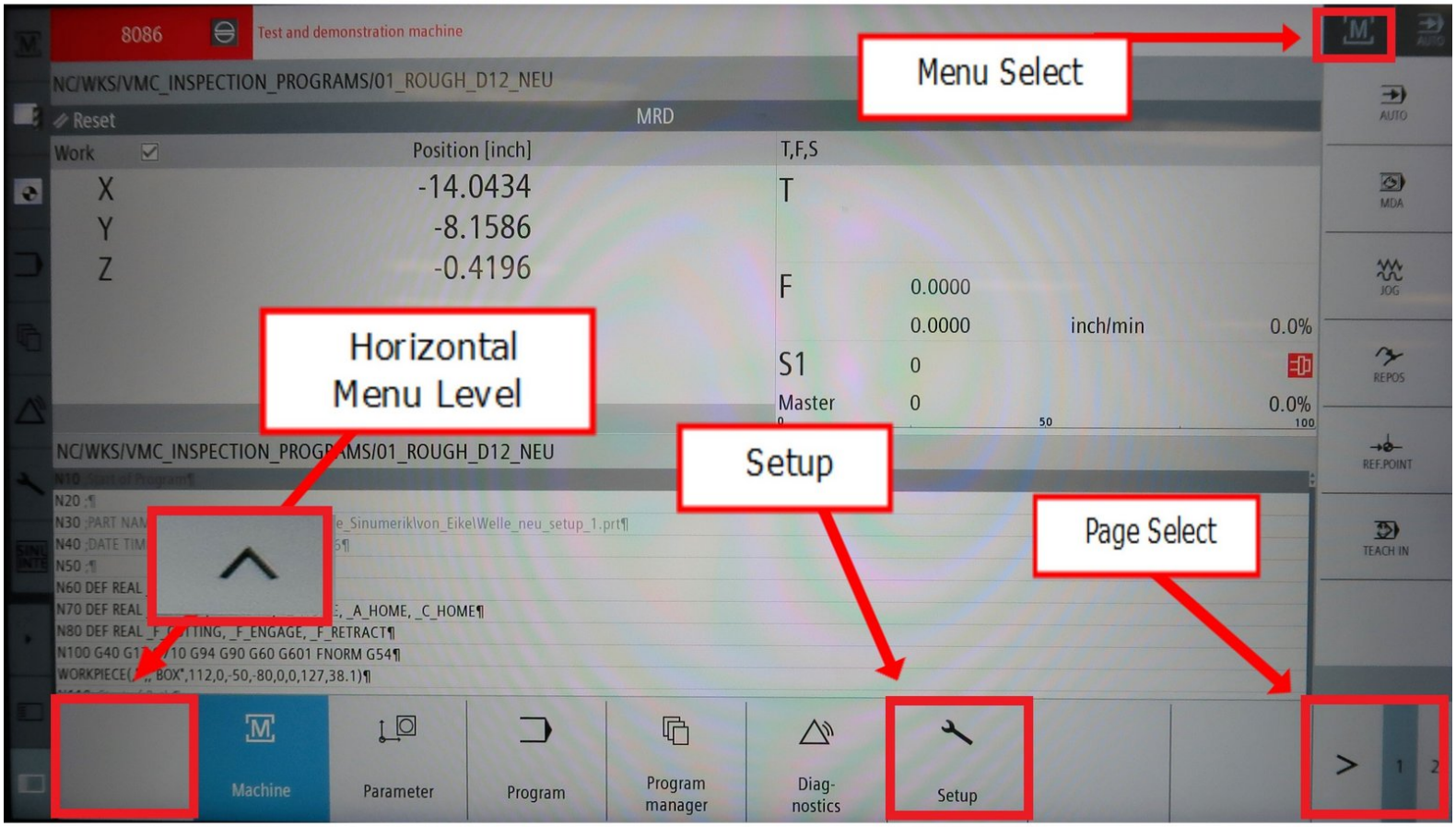
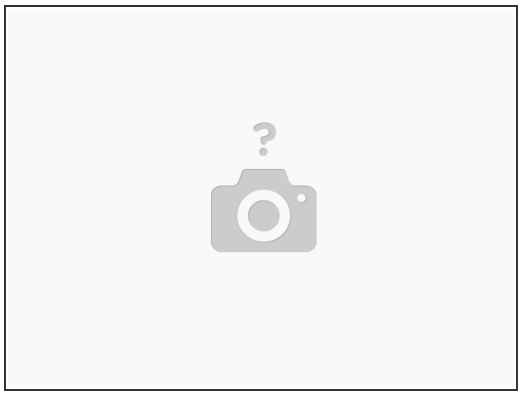
Restore From Archive

Written By: Trent Plungas



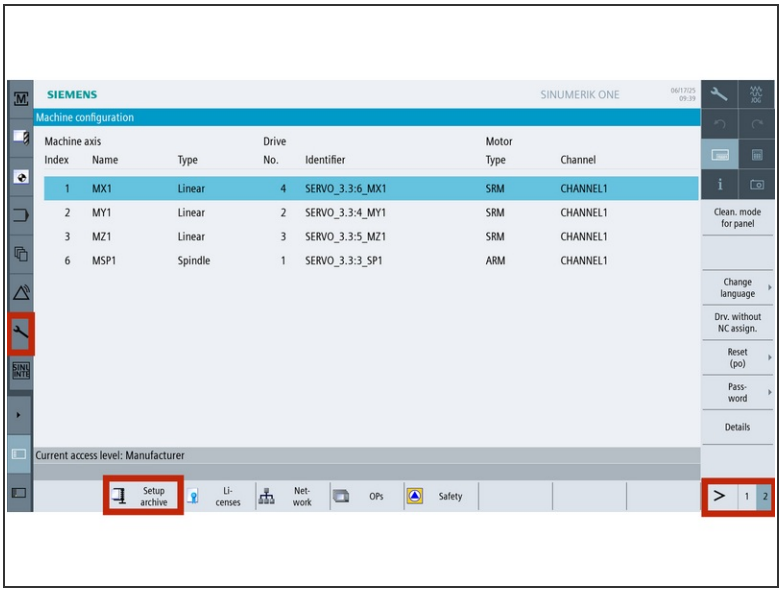
Step 1 — Understand Archive Components

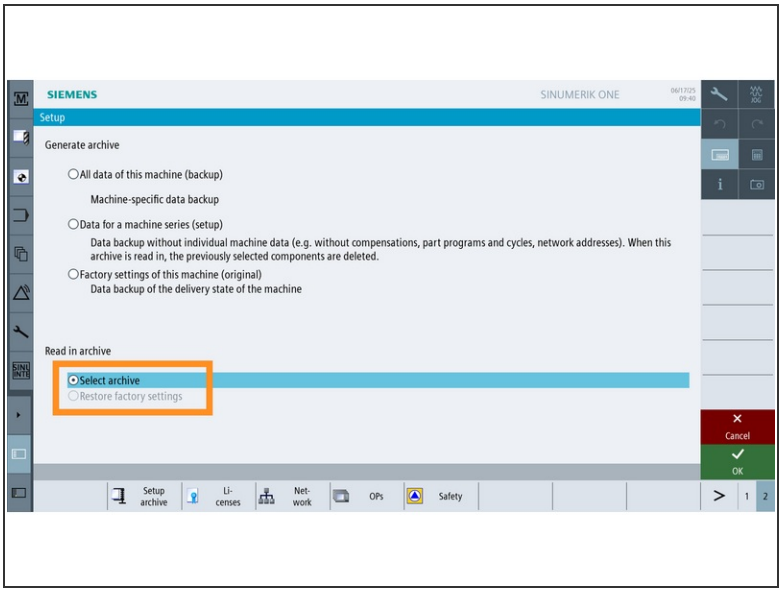


- There are five archive components. You can back up or restore any combination of these:
  - **NCK (Numeric Control Kernel)** Controls CNC system, servo loops, program execution, and G-code pathing. **Includes:** Machine data, settings, options, user data, tools, magazine data, protection zones, R parameters, offsets, workpieces, programs, cycles, macros, collision avoidance, and compile cycles.
  - **PLC (Programmable Logic Controller)** Manages machine logic and safety systems. **Includes:** PLC user program.
  - **Drives** Controls motors and executes movement. **Includes:** Sinamics servo data.
  - **HMI (Human Machine Interface)** Manages the touchscreen and user interface. **Includes:** Cycle storage, text, templates, apps, configs, logs, user views, and dictionaries.
  - **System Settings** Stores general configurations. **Includes:** Drive configs, TCU settings, IP/network settings, and screen layout (mmc.ini).

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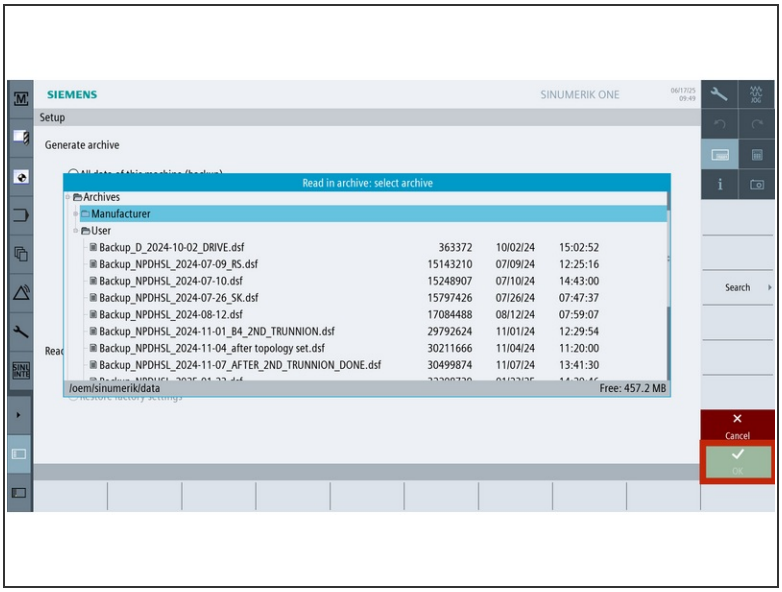
Step 2 — Enter Manufacturer Mode and Begin Archive Restore

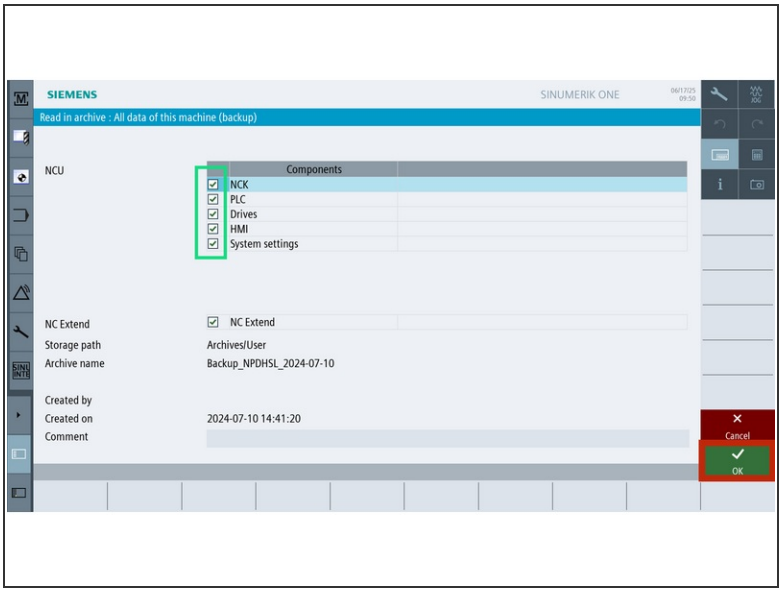




- Go to **[Setup]** (wrench icon on the left).
- Select **[Set Password]**, enter the manufacturer password, then press **[OK]**.
- Press **[E-Stop]**
- Return to **[Setup]** → **[Page 2]** → **[Setup Archive]**.
- Under "Read in Archive", press **[Select Archive]**

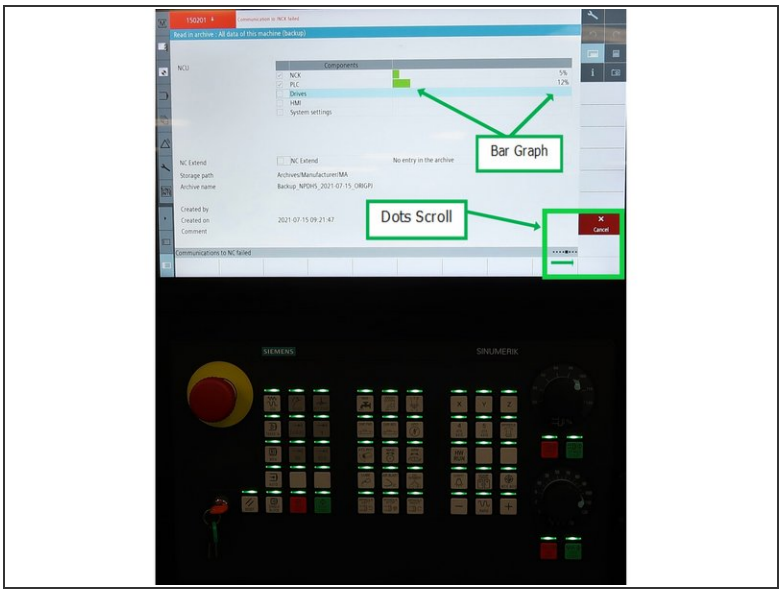
Step 3 — Select Archive File

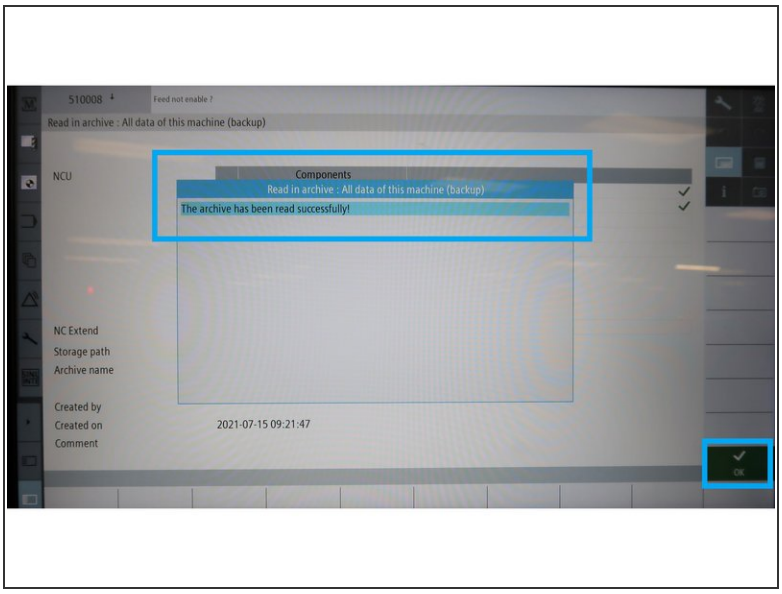




- A file browser will open. Select the desired .dsf archive file and press **[OK]**.
- Check or uncheck boxes to choose which components to restore.
  - ⓘ Tech Support may request you load in an archive with only some check boxes selected.
- Press **[OK]** to start the restoration.

Step 4 — Restore the Archived File to Controller





- The screen will display a scrolling line of dots in the lower-right corner.
- A bar graph will show restoration progress.
- All green lights on the keyboard will flash simultaneously during the process.
- When complete, a confirmation message will appear.
- Press **[OK]** to finish.
- The machine will prompt for a soft reboot. Follow the on-screen instructions to restart the system.