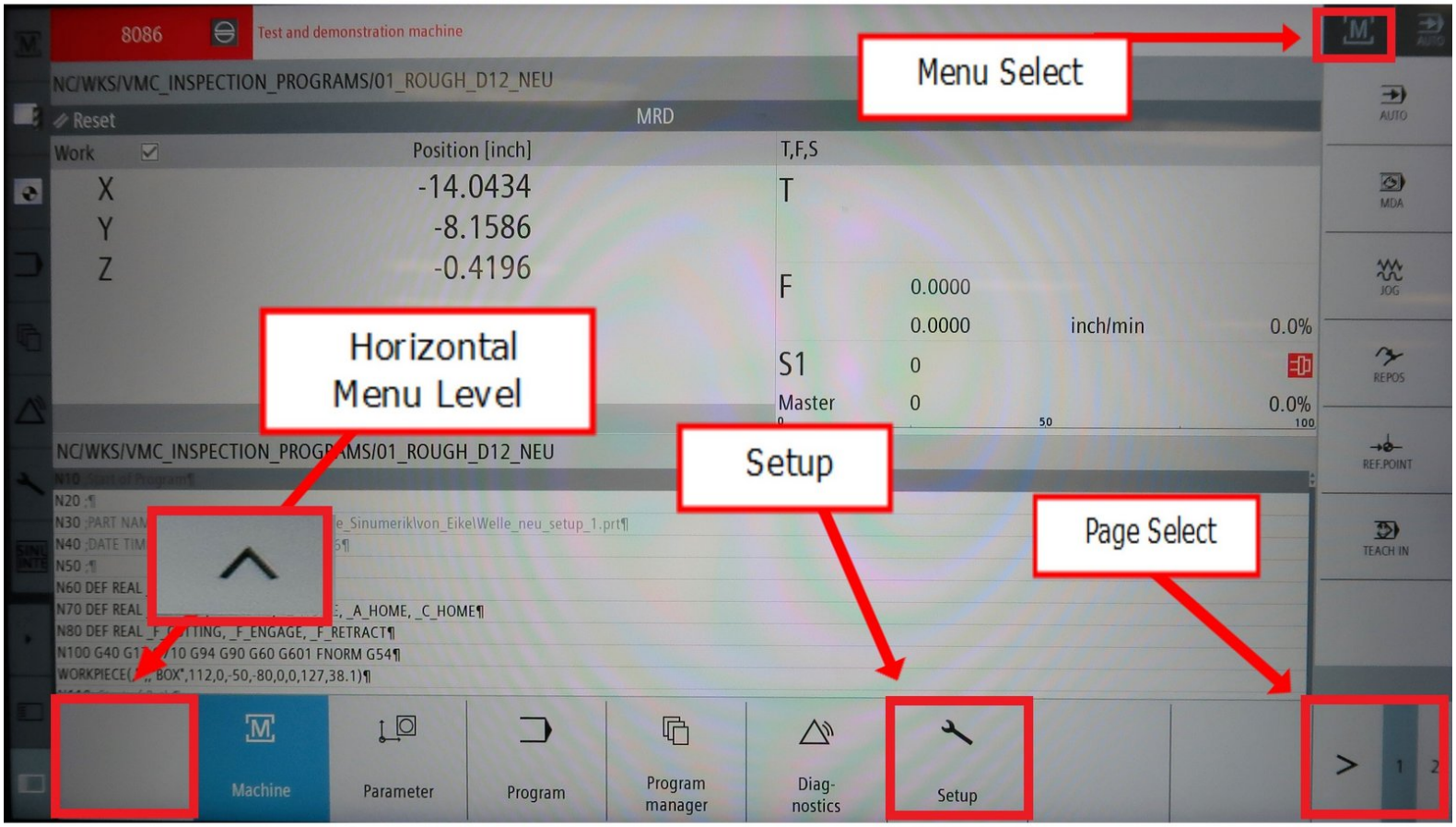
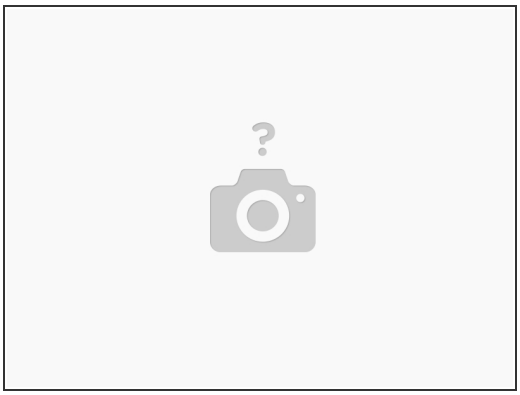
Archive Current System

Written By: Trent Plungas



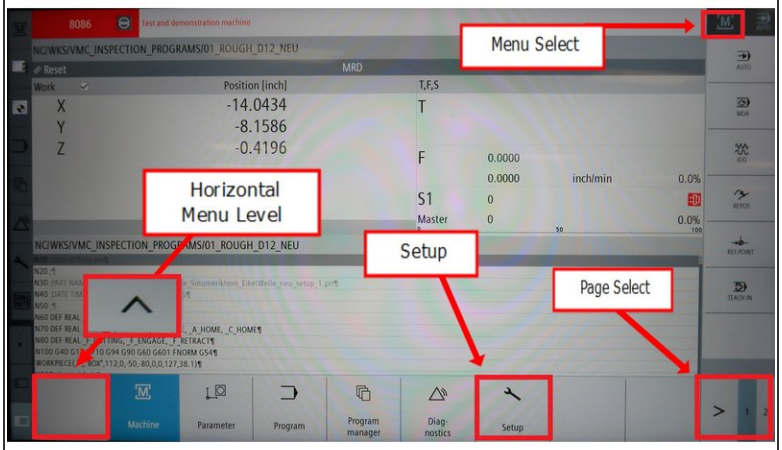
Step 1 — Understand Archive Components

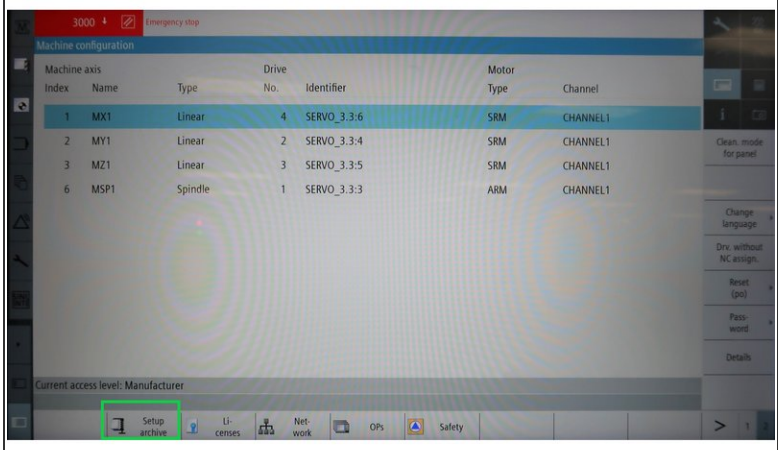


- There are five archive components. You can back up or restore any combination of these:
  - **NCK (Numeric Control Kernel)** Controls CNC system, servo loops, program execution, and G-code pathing. **Includes:** Machine data, settings, options, user data, tools, magazine data, protection zones, R parameters, 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 — Create Archive of Current System

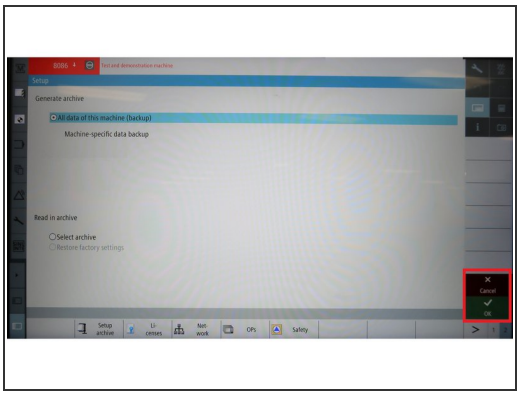


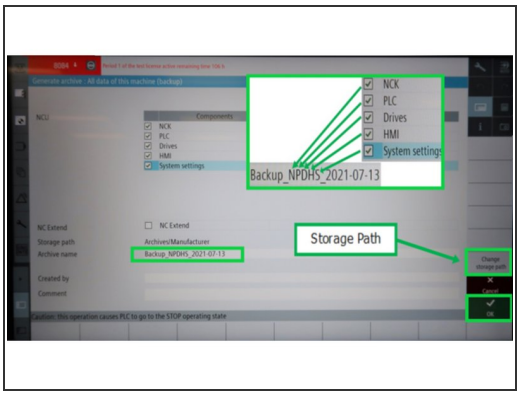


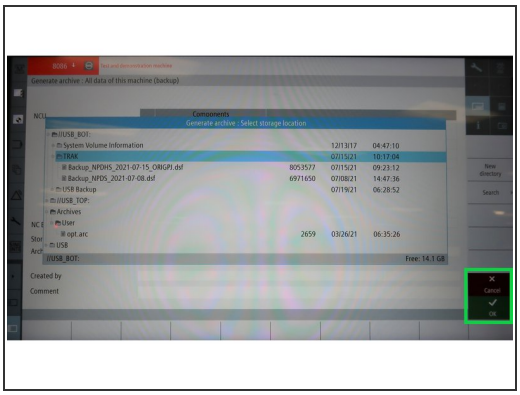
- Press **[E-Stop]**
- Go to **[Setup]** (wrench icon on the left).
- Select **[Set Password]** and enter **TRAKmt2021** as the manufacturer password.
- Press **[OK]**.
- Navigate to **[Setup]** → **[2nd Page]** → **[Setup Archive]**

ⓘ Only Service or Manufacturer level users can create or restore archives.

Step 3 — Select Directory to Store Archive

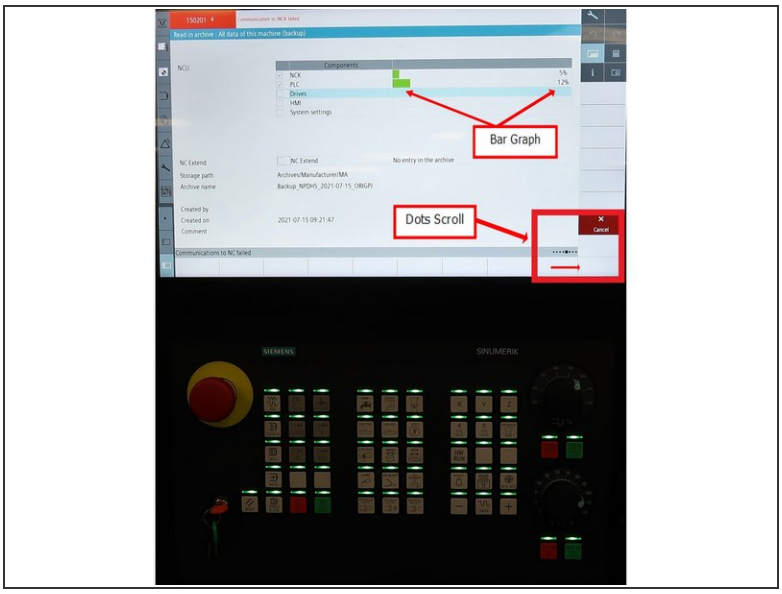


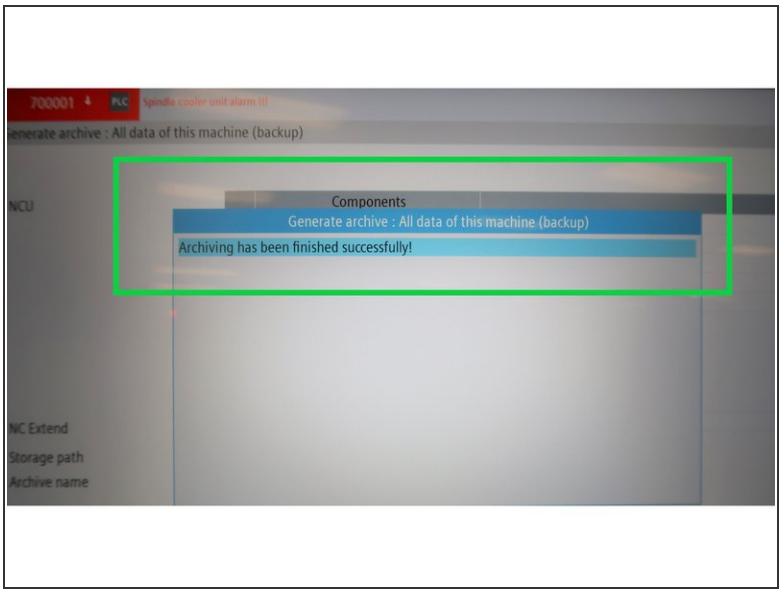




- Under Generate archive, select **[All data of this machine(backup)]**
  - Press **[Ok]**
- By default, all components will be highlighted for backup.
  - Press **[OK]** to confirm, or **[Cancel]** to exit.
- You can choose specific components or archive all by default.
- The system's default storage path is **[Archives/Manufacturer]**.
  - To change the storage location, use the pop-up window to navigate directories or select an external USB (plugged into the right edge of the pendant).
- Once ready, press **[OK]** to finalize and save the archive to the selected directory.

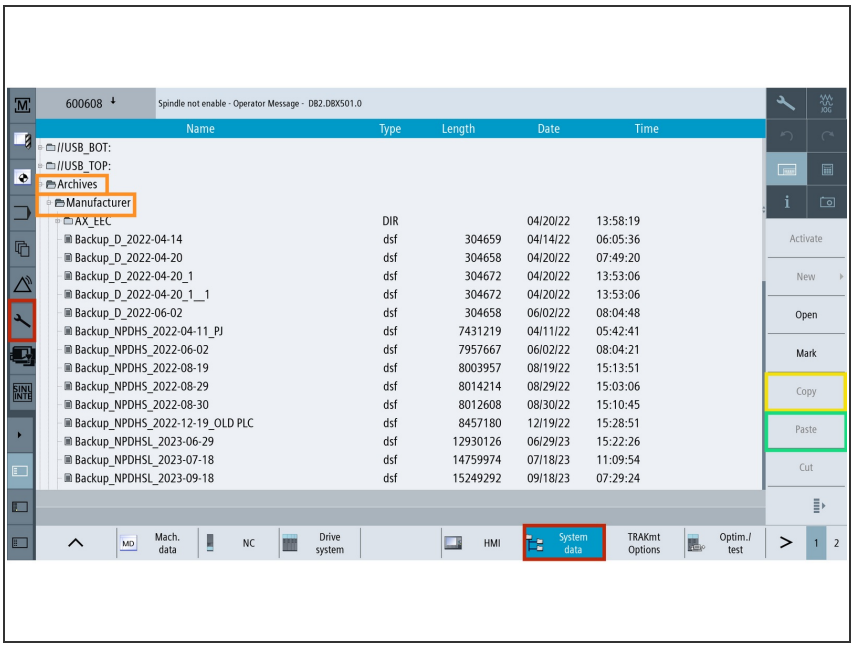
Step 4 — Archive Progression Status





- The archive operation will begin, shown by a line of **dots scrolling** across the lower right corner of the touchscreen.
  - This process may take several minutes.
- A bar graph will appear to show the archive progress.
- All green lights on the lower keyboard will flash simultaneously during the operation.
- Once the archive is complete, the system will display a confirmation message.

Step 5 — (Optional) Save Archive to USB



- Once the archive is created, you can save a backup copy to USB.
- After the machine reboots, you'll be logged out of Manufacturer Mode.
- Go to **[Setup]** (wrench icon on the left).
- Select **[Set Password]** and enter **TRAKmt2021** as the manufacturer password.
- Navigate to **[Setup]** → **[System data]**
- Then in the file structure go to: **Archives** → **Manufacture**
- Select the archive and press **[Copy]**
- Choose a storage device (USB Top or USB Bottom), then press **[Paste]** to save it.

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