

# ***Phoenix™ Software*** ***Version 8.50.14***

## **Release Notes**

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## Release Notes for Phoenix Software V8.5 Series

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Hypertherm provides regular updates to the Phoenix software and recommends that you check for updates on a regular basis. Additionally, you should update to the latest software revision after restoring a ghost image. You can download the most current software from the website [www.hypertherm.com](http://www.hypertherm.com). Search for “Phoenix software updates” to find the Phoenix software updates page, then choose the Version 8 tab.

 All CNCs that run Phoenix 8.50.12 or later require that you install the English upgrade before installing any other language.

### Updating additional languages

To update additional languages on the CNC, you must update each language one at a time:

1. Choose Setups > Password > Special Setups to open the Special Setups screen.
2. Select the target language for the update. The CNC will restart in the target language.
3. Download the Phoenix software in the target language from [Hypertherm.com](http://Hypertherm.com).
4. Transfer the update.exe file to the root folder of the memory stick.
5. Connect the memory stick to a USB port on the CNC.
6. Choose Setups > Password > Special Setups to open the Special Setups screen.
7. Choose the Update Software soft key. The CNC will update the software and restart after the update completes.

## Release Notes for Phoenix Software Version 8.50.14

### Plasma support

#### Software enhancements

Added new cut processes:

True Hole®

- ❑ 80 A, 8 mm
- ❑ 80 A, 5/16 inch

True Bevel™

- ❑ 200 A, Bevel, 10 mm, 12 mm, 16 mm
- ❑ 200 A, Bevel, 3/8 inch, 1/2 inch, and 5/8 inch



ProNest® users who would like an updated setup that supports these new True Hole or True Bevel thickness/consumable combinations should contact CAM support at (716) 434-3755, menu option 3 or [TechSupportVoiceMail@hypertherm.com](mailto:TechSupportVoiceMail@hypertherm.com).

- Phoenix supports the Powermax125® plasma supply cut charts and serial communications. The Change Consumables screen does not display graphics of the Powermax125 consumables.
- Resolved an issue in HPR® diagnostics where if the HPR reported an error 12 to 17, Phoenix displayed a Test Result Unknown message. Phoenix now displays the correct error message for errors 12 to 17.

## Release Notes for Phoenix Software Version 8.50.13

### Software Enhancements

- Phoenix supports the new cut charts added for the MAXPRO200® plasma power supply.



A serial communication link with the MAXPRO200 requires Phoenix version 9.73.0 (or later).

- The scope of the cut charts has been expanded, and the stability of the cut charts has been improved.
  - ❑ The HPRXD™ Change Consumables screen now displays HyDefinition® inox (HDi) labeling, when applicable.
  - ❑ Phoenix now supports specialized HPRXD cut charts for the following processes:
    - HDi thin stainless steel cutting
    - Thick stainless steel moving pierce
    - Fine Feature mild steel cutting
    - 200 A bevel cutting for mild steel

- Underwater mild steel cutting



The underwater processes are specifically designed for cutting mild steel up to 75 mm (3 inches) below the surface of the water. Do not attempt to cut in water if the surface of the workpiece is deeper than 75 mm (3 inches). In addition, the True Hole™ process is not compatible with underwater cutting. If you are using a water table with the True Hole process, the water level should be at least 25 mm (1 inch) below the bottom surface of the workpiece.

- Updated cut charts were added for the Powermax65®, Powermax85®, and Powermax105®.
- For HPRXD standard and bevel cut charts, all True Hole™ part programs now use a single designation (specific material 99) for True Hole cut charts that covers both metric and English thicknesses.
- CNC support is now available for Bosch IndraDrive IDN S-269.

### Software Resolutions

- Phoenix now checks and scales metric speed potentiometer changes properly to ensure the entire range is handled correctly as speed values increase.
- Phoenix will stop THC motion when the raise/lower switch is turned off after screens have been changed. Raise/lower touchscreen functions will also terminate the raise/lower motion when screens are changed.
- Phoenix now properly displays Duramax as a Torch Type option on the Plasma Process screen for Powermax systems.

## Release Notes for Phoenix Software Version 8.50.12

### Software Enhancements

#### Plasma support

- Phoenix fully supports the Powermax 105, including:
  - New cut charts for the Powermax 105
  - Full support for the 105A process
  - Support for the new Low Speed (LS) FineCut™ torch type
  - Support for all Powermax 105 consumables
  - New screens for Powermax 65, 85, and 105 consumables in the CutPro™ Wizard

### Safety Enhancements

- Powermax torches no longer will fire during the IHS down motion.
- The CNC now pauses all motion prior to displaying any pop-up message dialog boxes. This change prevents motion from continuing in the background while the message box is active. The concern was identified for specific configurations, and more detailed information has been issued separately. The update of the software is strongly recommended. Contact your table manufacturer if you have further questions.

### Software Resolutions

#### Ease of Use and Embedded Process Expertise

- On the Station Configuration screen, the drop-down lists no longer display any blank lines in between the power supplies that appear in the lists.
- When an operator searches for a file within a folder, the search results now return the specified file even when the operator does not include the file extension in the search criteria.

## Release Notes for Phoenix Software Version 8.50.10

### Software Enhancements

- Added support for the HyPro2000™ torch for the MAX200®.
- Remote Help now uses Microsoft® Lync™.

### Software Resolutions

- The CutPro™ Wizard Verify Process screen has been updated to display only the new process if there are no G59 codes in the part program.
- During Teach Trace, the torch moves but does not fire.
- Resolved Return to Start issue when previewing both English and Metric part programs.
- Prevent MCC error or Phoenix error when removing a cut chart material thickness.
- Prevent the software limits from activating until the homing sequence completely finishes.
- The Load Part screen now correctly handles DXF file names. The program was clearing the file name before opening the file and causing an error.
- The Return to Start soft key on the Manual screen is no longer enabled when no manual motion has been performed.
- When using the oxyfuel Quick Start feature, pierces are now being properly counted, so that the Move to Pierce feature works properly with the Quick Start feature.
- Resolved a Phoenix error when pressing Stop while certain dialog boxes are displayed.
- Bevel Scaled Rotator Scale Factor value can be entered as a signed value.
- Resolved issue with a two-Sensor THC system, where one THC does not perform IHS if it is below the Start/Crossover IHS Height at the beginning of the IHS.
- Resolved an issue where Phoenix displays the Traversing message after a part program is stopped with the Stop key and then Fast Stop input and Cancel key activate in succession.
- Improved the motion planner to handle additional specialty parts with minimum corner speeds.
- the Sensor THC Off motion is no longer initiated when the Drive Disabled output activates.
- Part program G04 Dwell segments no longer change the Cut Mode to Trial mode, if the part program is stopped during a dwell.
- Improved the joystick rip cutting feature to prevent inadvertent stops and starts.
- Resolved an MCC error when using Resume Part at a pierce point.
- Resolved Resume Part issue with a part program start position when changing between English and Metric units before using the Resume Part feature.
- Resolved a Resume Part issue when changing the Cut Mode before using the Resume Part feature.

