

MILLPWR^{G2} SOFTWARE UPDATE

ACU-RITE[®]

June 5, 2015

MILLPWR^{G2} 2 & 3 Axis

(Version R3)

NOTE: HEIDENHAIN Corporation recommends making a backup of the control with the included USB Recovery Drive (684138-xx) before updating the control software. Please refer to the manual included with the drive for the backup procedure.

These enhancements/changes were made:

A display resolution setting is now available in the job setup form dialog as two separate parameters, one for inch and one for mm display. There are three options each that are not identical to MILLPWR II. Inch: 0.0001, 0.0005, 0.0010; MM: 0.001, 0.005, 0.010.

White contour lines are now drawn for all geometry at the start of the program simulation or running. - The contour lines now highlights with the tool path. - Steps that make up a contour, custom pocket, or island now highlight the contour. - The contour lines now appear in the 3D line view.

Drill markers now appear in line views.

Program functions now has a progress indicator for copying, moving and deleting files.

The background color for scroll bars has been darkened to provide more contrast when paired with a disabled window.

There is a new job setup parameter to determine the action the DRO takes when a running program pauses for a manual operation. Current behavior is to switch to INC mode and the new option is to do nothing and remain in whatever mode the user put the DRO into last.

When a tool change position is defined or taught the tool length and datum information was being applied. This was not the case with MP11. So if Z tool change position is taught at top of travel this will be offset by the length.

The capability to call up a POS step and Center Line function softkey.

A new Diagnostics feature has been added to the Installation Setup area.

When the contour is visible in one of the line views, reference points now appear as a light blue reticule.

When the teach softkey is active/available the EEF or Touch probe is active.

Single cycles now allow internal incremental references.

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Enhanced the program list view to start scrolling down when the cursor is two thirds of the way down the list as well as scrolling up when the cursor is a third of the way from the top.

Tool steper can now be defined by percent and decimal value.

Contour steps now have the option to run the finish in the reverse direction.

G-code programs now have a block form just like the MPT programs. The block info is stored in a g120 if one already exists or in an external file located in the user directory. If the block size is stored externally there is an option to insert it as a g120 at the top of the program.

"Move Table" softkey is available during "Centerline" operation. This applies only to probing from a Single Cycle step form.

Implement pilot drilling for the Custom Pocket step.

The ability to have chamfer option within can cycle

Arrow keys now work to scroll line by line through the program preview within program functions.

Program Functions now uses some new icons to improve the visual indication of various drive / folder / file types.

Further improvements to the graphics - Remember "Show Contour" flag when switching to solid view and back.

Rectangle steps that contain blends or chamfers are correctly represented in the contour now.

The Error Log softkey has been changed to Message Log to better reflect its function. Also changed references to units in some messages from "inch(s) per minute" to "in/min" and "mm(s) per minute" to "mm/min".

- Additional erroneous error were corrected

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SOFTWARE

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Version (2 or 3 axis) - The version number was updated to R3.

You can download the software release update from our web site at www.acu-rite.com. If you wish to purchase the software and operation manual from ACU-RITE contact Customer Service to place an order.

Installing the software onto your MILLPWR^{G2} system:

HEIDENHAIN Corporation recommends making a backup of the control with the included USB Recovery Drive (684138-xx) before updating the control software. Please refer to the manual included with the drive for the backup procedure.

Use a blank USB memory stick (1 GB or larger) to update the software. Do not use any memory stick with a smaller storage capacity. The software installation files are required for updating the software. These files will automatically be recognized by the installation program of the control and must be contained in a folder named “**install**” on the USB memory device with typical files called setup.zip, and setup.ini.

Procedure for updating the software

- Shut down the control software using the normal method of pressing the Shutdown soft key and then confirming the shutdown by pressing Yes.
- Wait for the screen message which indicates that it is safe to switch off power, or restart.
- Insert the USB memory device containing the folder named “install” on the USB memory device.
- Press ENTER to restart the system.
- After starting, the MILLPWR^{G2} Software Update screen will appear with a confirmation box. If necessary, use the UP/DOWN ARROW keys to select the language (e.g. English) and press ENTER.
- A confirmation box will appear. If necessary, use the LEFT or RIGHT ARROW keys to select Yes, and then press ENTER.
- The software update will now be done automatically, taking approximately 10 - 20 minutes.
- When the update is complete, it will prompt you to remove the USB drive and restart. At this time, remove the USB drive and press ENTER to restart.
- After the system has restarted, it will start up normally to the control software.

If any issues are encountered, please contact your service representative for assistance.

If the USB memory stick used for installation is not removed, then the prompt to install the software will continue to appear on subsequent power cycles.