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Beta Software for Ubuntu Linux and Rapsberry pi

Coil Winder Arm Controller MKIII V1-0

Bobbins Manual Winding Settings Debug

Enter Bobbin Width Enter Total Windings Enter Winding Speed Enter Wire Size

Bobbin Direction: ☒ Forward ☐ Reverse Wire Direction: ☒ Right ☐ Left

Ramp Configuration: Ramp Pause Ramp Step

Calculations: Calculated Winds Per Layer Calculated Wire/Pitch Size Calculated Total Layers Calculated Bobbin Width

Load Bobbin Save Bobbin Path: C:\Users\sean\Documents\ ☐ Manual Speed Dial Control

Controls: Disable Motors Start STOP Pause Home Offset Bobbin Motor Jog Feeder Motor Jog Wire Guide Jog Home Wire Guide Offset

Travel rev Travel mm Travel mm ☐ Home Wire Guide With Feeder Home ☐ Move Wire Guide Each Layer 0.1

Display: Winds Completed Feeder Position Guide Position RPM

Reply: x Connection Status: ☒

We have released a Beta version of our software that will work on the Raspberry pi ARM 64bit and Ubuntu20 Linux and Ubuntu 24 Linux 64bit. This software should work with the Mini Coil Winder, 200mm Coil Winder and Quad Winder that have either the ARMI or ARMI controller installed that is running firmware 2.6.

At the moment we have just the Bobbins Winding and Manual Winding tab and will add the Scripting engines in future version if the demand is there.

To Install simply download the version to suit your computer OS.

Next extract the file and you should have the following files:

CoilWinderRaspV1-BETA-X64.exe for the Raspberry pi. Have tested on pi3 and pi4.

CoilWinderUBUNTU20V1-BETA-X64.exe for Ubuntu 20

CoilWinderUBUNTU24V1-BETA-X64.exe for Ubuntu 24

69-hid.rules rule file that will be installed by the install script below

installhidrules.sh is a quick install script that will copy and enable the 69 rules file to allow the Coil Winding Machine USB HID to be used and also it will install Microsoft fonts to be used with the application.

Also there are the latest firmware files for the controller. Check your machine is already on firmware V2.6 and if not upgrade with the files below:

ARM-CW-Firmware-MKII-2-6-M1.dfu latest firmware for the ARM MKIII controller

ARM-CW-Firmware-MKII-2-6-M1.hex latest firmware for the ARM MKIII controller

You will need to make sure the main ***.exe*** file permissions are set to allow it to be executed and also the ***installhidrules.sh*** file.

Once the permissions are set you can run the install file in a terminal window. First change to the path where you extracted the files to and then run as sudo
sudo ***./installhidrules.sh***

Next to run on a Raspberry pi use the command:

./CoilWinderRaspV1-BETA-X64.exe

To run on Ubuntu 20

./CoilWinderUBUNTU20V1-BETA-X64.exe

And on Ubuntu 24

./CoilWinderUBUNTU24V1-BETA-X64.exe

As stated this is Beta and so please do not hesitate to contact us with any bugs
support@ukcnc.net