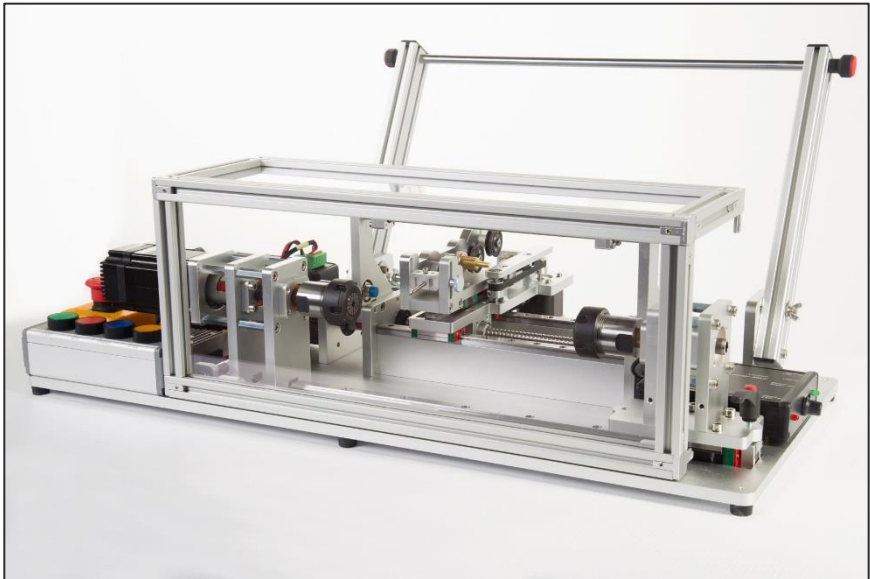


# CNC 200MM COIL WINDER MK5

## INSTRUCTIONS

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS MACHINE.





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## GENERAL INFORMATION

This manual has been compiled by CNC Design Ltd and is an integrated part of the product with which it is enclosed and should be kept with for future references.

This manual describes the purpose for which the product has been designed and contains all the necessary information to ensure its correct and safe use. We recommend that this manual is read before any operation or, before performing any kind of adjustment to the product and prior to any maintenance tasks. By following all the general safety instructions contained in this manual it will ensure both the product and operator safety, together with longer life of the product itself.

All photographs and drawings in this manual are supplied by CNC Design Ltd to help illustrate the operation of the product.

Whilst every effort has been made to ensure accuracy of information contained in this manual, the CNC Design Ltd policy of continuous improvement determines the right to make modifications without prior warning.

## DECLARATION OF CONFORMITY



### CERTIFICATE & DECLARATION OF CONFORMITY FOR CE MARKING

**Company contact details:**

CNC Design Limited  
Unit 5S Lanvale Estate, St Columb Major Industrial Estate, Cornwall, TR9 6SF, England  
Tel: +44 1637 881520 info@ukcnc.info

**CNC Design Limited declares that their:**

Desktop CNC Coil Winder Model: MK1x  
Desktop CNC 200mm Coil Winder  
Desktop Mini Coil Winder  
Desktop CNC Quad Coil Winder

**comply with the Essential Requirements of the following EU Directives:**

Machinery Directive 2006/42/EC  
Electromagnetic Compatibility Directive 2004/108/EC  
EU RoHS 2 Directive 2011/65/EU

**and further conform with the following EU Harmonized Standards:**

EN ISO 12100:2010  
EN 61000-6-3:2007+A1:2011  
EN 61000-6-1:2007

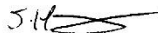
**Dated:** 6 September 2020

**Position of signatory:** Director

**Name of Signatory:** Sean Hegarty

**Signed below:**

on behalf of CNC Design Limited



## SPECIFICATION

The CNC Design Ltd policy of continuous improvement determines the right to change specification without notice.

|                                  |                                |
|----------------------------------|--------------------------------|
| Dimensions of base plate (L x W) | 700mm x 320mm                  |
| Weight                           | 25Kg                           |
| Maximum feeder travel            | Approx. 200mm                  |
| Maximum Stepper motor RPM        | 2000 RPM                       |
| Maximum bobbin diameter (Height) | 150mm                          |
| Wire range                       | 0.02mm-0.8mm(1mm single layer) |
| Feeder max resolution            | 0.0003125mm                    |

## WARRANTY

12 months Return to Base warranty is offered all assembled machines. This is on a Return to Base policy which means the customer will be liable to pay for the shipping of the faulty parts back to us and we will be liable for the cost of replacing and shipping back to the customer.

## SAFETY WARNING

Keep hands clear of moving parts during operation.

Ensure the chucks are fully tightened and the tailstock is fully locked down before operating.

Make sure the power is switched off before connecting the power supply.

## MAINTENANCE

The machine has been designed to be low maintenance.

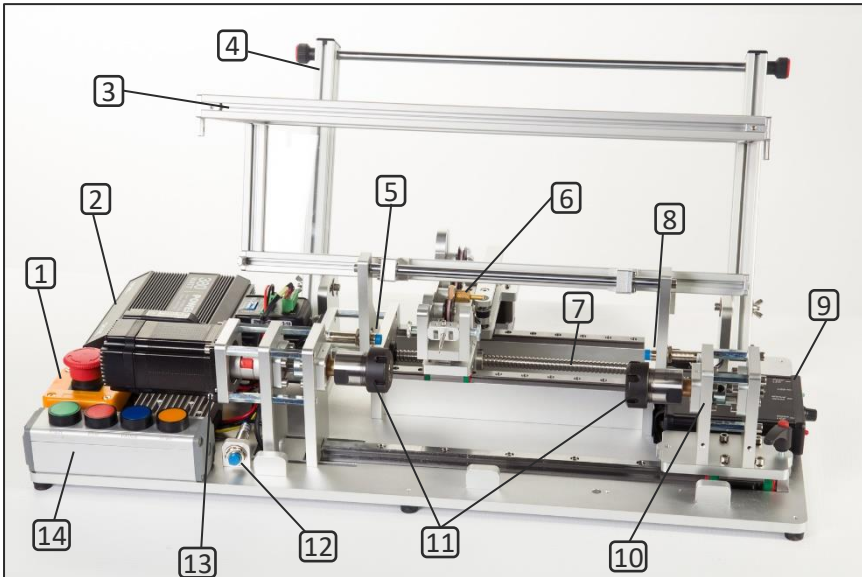
Your machine has been delivered dry as such to keep the machine as clean as we can when assembling.

Please make sure to apply grease to the Ball screw and all the rails before running the machine too hard or fast.

Any moving parts such as the feeder ball screw and the tailstock rail needs to be lightly greased periodically depending on use.

Check the tightness of all nuts and bolts.

## GETTING TO KNOW YOUR COIL WINDER



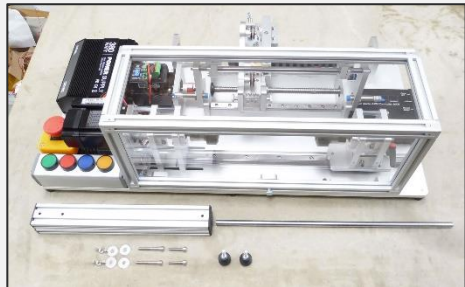
|          |                       |           |                           |
|----------|-----------------------|-----------|---------------------------|
| <b>1</b> | Emergency Stop Button | <b>8</b>  | Right Limit Switch        |
| <b>2</b> | Power Supply          | <b>9</b>  | ARM MKII Controller       |
| <b>3</b> | Safety Cover          | <b>10</b> | Tailstock                 |
| <b>4</b> | Adjustable spool bar  | <b>11</b> | ER25 Chucks               |
| <b>5</b> | Left Limit Switch     | <b>12</b> | Safety Cover Limit Switch |
| <b>6</b> | Feeder Assembly       | <b>13</b> | Closed Loop Stepper Motor |
| <b>7</b> | C5 Ballscrew          | <b>14</b> |                           |

## OPERATION AND USE

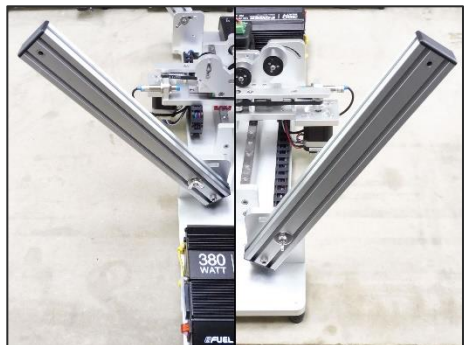
**Remove Machine from box, remove wrapping and bubble wrap.**



**Layout all items.**

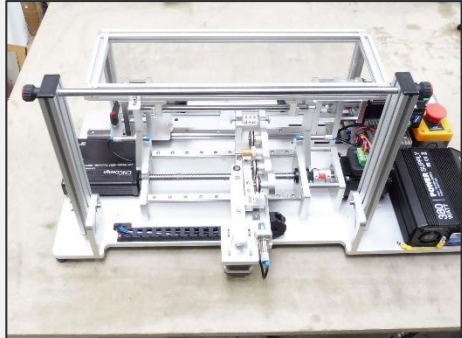


**Slot the M5 X 25mm bolts in the bottom of each arm and thread into the upright plates. Bolt the M5 x 40mm bolts with washers and wing nuts.**

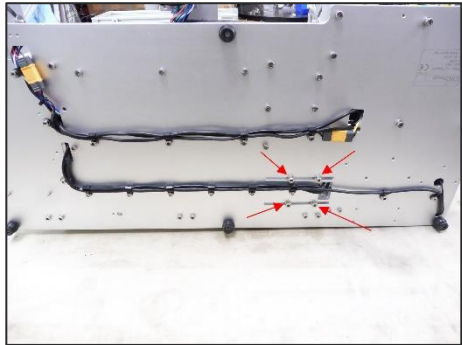


## OPERATION AND USE

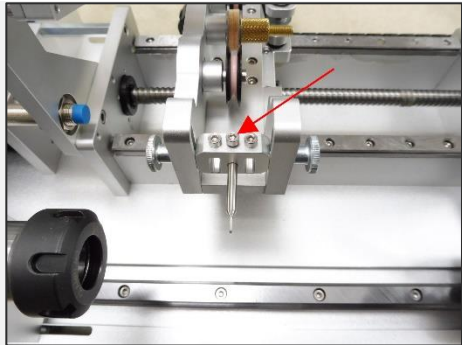
**Attach top bar as shown and tighten off knurled knobs.**



**Adjust the 4 bobbin bolts to the position you require. Make sure they're square.**



**Insert nozzle and tighten off the M3 Bolt.**





## OPERATION AND USE

**Remove the Power Supply sticker.**



**Connect the power supply to your Mains supply.**

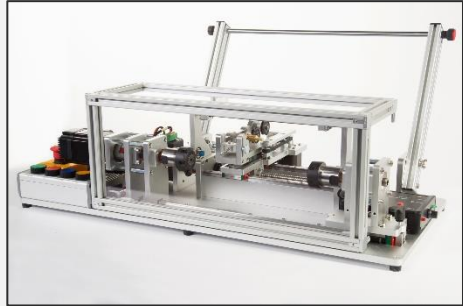


**Insert the USB lead into the controller box. Then plug the other end of the USB into computer.**



## OPERATION AND USE

**All complete and ready to run up the software and test.**

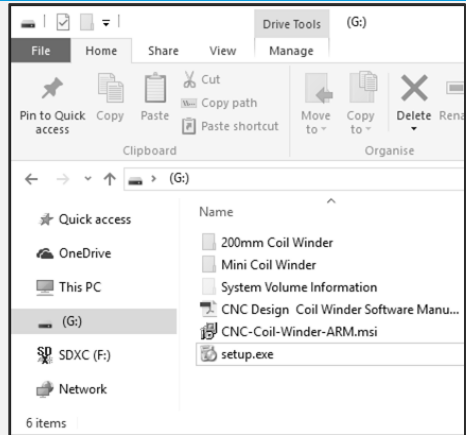


## GENERAL INFORMATION

A Larger document with clearer instructions is located on the memory stick supplied.

## INSTALLING SOFTWARE

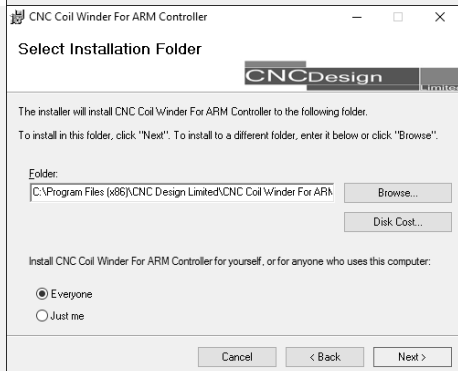
Insert the enclosed USB stick into your computer, browse to the device and run setup.exe.



Proceed through the wizard.

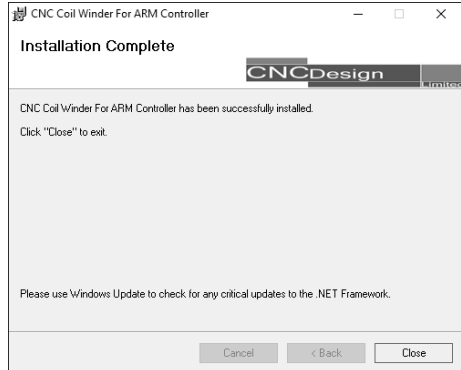


Here you can select the installation folder and choose to install this for multiple users or a single user.



## INSTALLING SOFTWARE

After installing the software click close.



Browse to your desktop for a new shortcut as shown.



All finished and ready to be used with your Coil Winder.





## CONTACT DETAILS

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# NOTES

## NOTES