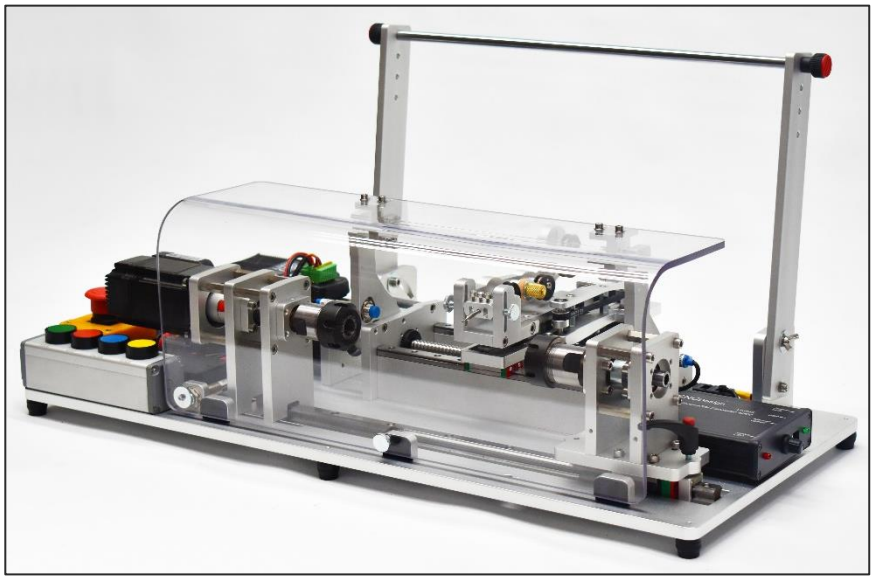
CNC 200MM COIL WINDER MK6

INSTRUCTIONS

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



CE

Version 1 – 10/02/2022

CONTENTS

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.

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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.

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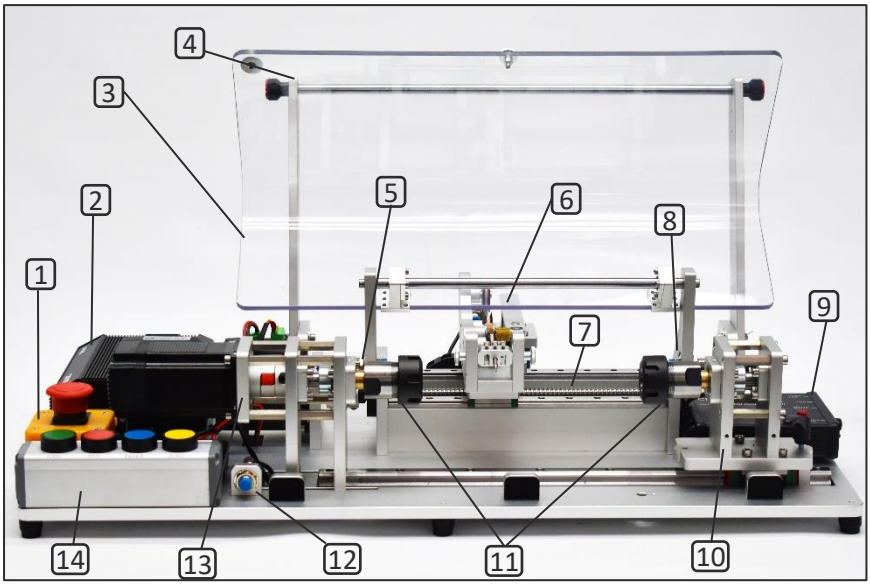
GETTING TO KNOW YOUR COIL WINDER



1	Emergency Stop Button	**8**	Safety Range Limit Switch
2	Power Supply	**9**	ARM MKII Controller
3	Safety Cover	**10**	Tailstock
4	Adjustable spool bar	**11**	ER25 Chucks
5	Homing Limit Switch	**12**	Safety Cover Limit Switch
6	Feeder Assembly	**13**	Closed Loop Stepper Motor
7	C5 Ballscrew	**14**	Control Box

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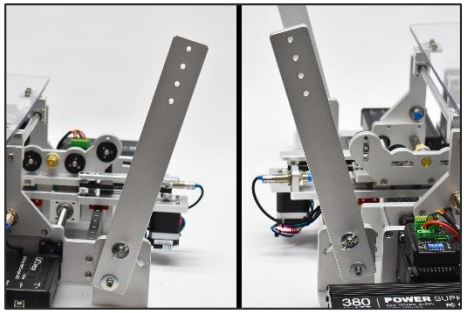
OPERATION AND USE

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.



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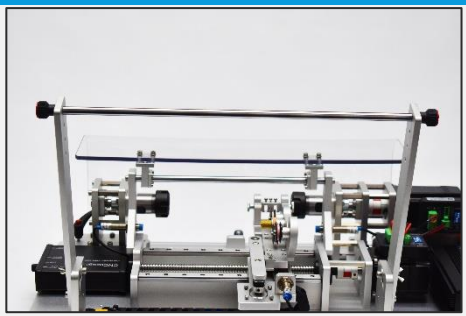
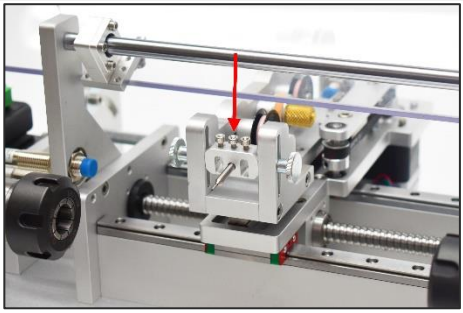
OPERATION AND USE

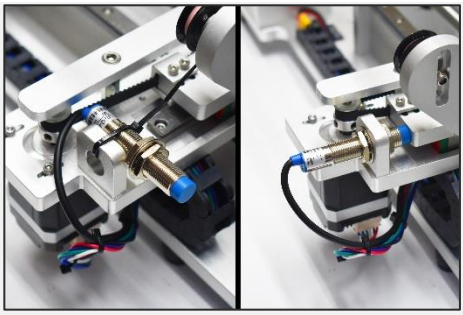
Attach top bar as shown and tighten off knurled knobs.



Insert nozzle and tighten off the M3 Bolt.



Mount the limit switch at the back of the machine.



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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.

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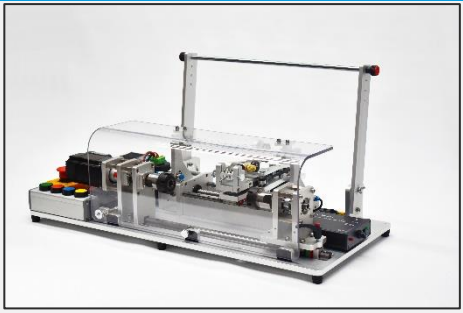
OPERATION AND USE

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

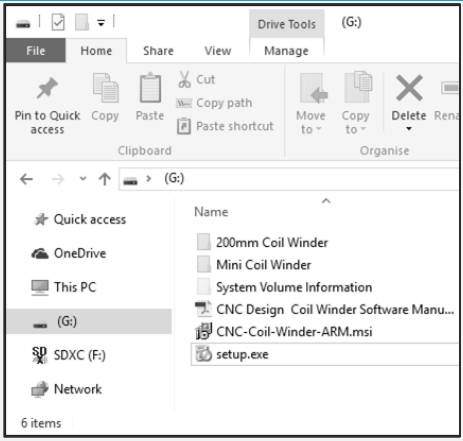


GENERAL INFORMATION

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

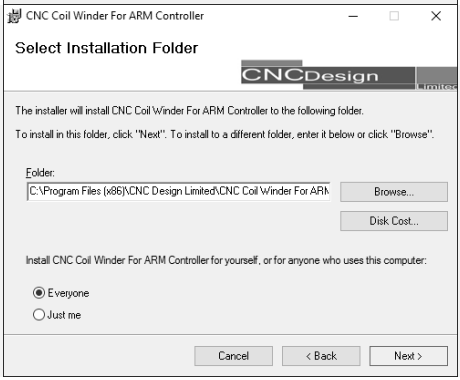
INSTALLING SOFTWARE

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



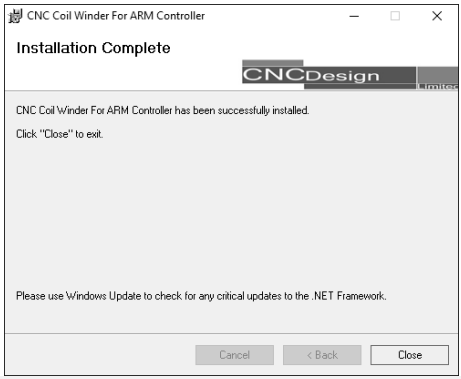
Proceed through the wizard.

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



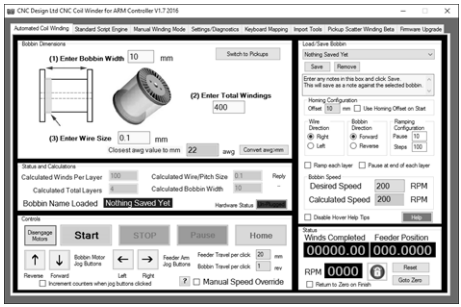
INSTALLING SOFTWARE

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.



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