

AW240WL

Woodturning Lathe



The packaging is suitable for recycling.
Please dispose of it in a responsible manner.



EU Countries Only
Do not dispose of electric tools together with
household waste material. By law they must be
collected and recycled separately.



Fully read manual and safety
instructions before use. Save this
manual for future reference.



Eye protection
should be worn



Ear protection
should be worn



Dust mask
should be worn



Hazard

The symbols above advise the correct safety procedures when using this machine.

Original Instructions

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EU DECLARATION OF CONFORMITY

WHAT'S INCLUDED

Quantity	Item	Part	Model Number
			AW240WL
1	Woodturning Lathe	A	
1	80mm Faceplate (Fitted to Headstock)	B	
1	140mm Tool Rest (Fitted in Banjo)	C	
1	Banjo Arm (Fitted to lathe bed)	D	
1	Tailstock Operating Wheel Handle	E	
1	4 Prong Drive Centre	F	
1	Standard 60° Live Centre	G	
1	Push Rod	H	
1	3,6,8mm Hex Keys		
1	Instruction Manual		



GENERAL INSTRUCTION FOR 230V MACHINES

The following will enable you to observe good working practices, keep yourself and fellow workers safe and maintain your tools and equipment in good working order.



WARNING!! KEEP TOOLS AND EQUIPMENT OUT OF REACH OF YOUNG CHILDREN



KEEP WORK AREA AS UNCLUTTERED AS IS PRACTICAL. UNDER NO CIRCUMSTANCES SHOULD CHILDREN BE ALLOWED IN WORK AREAS.

Mains Powered Tools

- Tools are supplied with an attached 13 Amp plug.
- Inspect the cable and plug to ensure that neither are damaged. Repair if necessary by a suitably qualified person.
- Do not use when or where it is liable to get wet.

Workplace

- Do not use 230V a.c. powered tools anywhere within a site area that is flooded.
- Keep machine clean.

- Leave machine unplugged until work is about to commence.
- Always disconnect by pulling on the plug body and not the cable.
- Carry out a final check e.g. check the cutting tool is securely tightened in the machine and the correct speed and function set.
- Ensure you are comfortable before you start work, balanced, not reaching etc.
- Wear appropriate safety clothing, goggles, gloves, masks etc. Wear ear defenders at all times.
- If you have long hair wear a hair net or helmet to prevent it being caught up in the rotating parts of the machine.
- Consideration should be given to the removal of rings and wristwatches.
- Consideration should also be given to non-slip footwear etc.
- If another person is to use the machine, ensure they are suitably qualified to use it.
- Do not use the machine if you are tired or distracted
- Do not use this machine within the designated safety areas of flammable liquid stores or in areas where there may be volatile gases.
- Check cutters are correct type and size, are undamaged and are kept clean and sharp, this will maintain their operating performance and lessen the loading on the machine.
- OBSERVE.... make sure you know what is happening around you and USE YOUR COMMON SENSE.

SPECIFIC SAFETY INSTRUCTIONS FOR WOODTURNING LATHES

1. Do not use 'split' work pieces.
2. Always start at the lowest speed when starting a new task.
3. Try to render a new work piece "round" (or as close as is practical) before turning.
4. Check that the tool rest is at or slightly below the centre line of the work piece.
5. Check the work piece is securely mounted in the lathe before switching on the power.
6. Rotate the work piece by hand, to check that it is: centralised, clear of the tool rest, not 'split' or has loose knots.
7. Where lathes have the facility to be reversed; check the machine is rotating in the correct direction.
8. If your lathe has the facility to run in reverse, you must ensure that the mounting accessories (chucks, faceplates etc.) can be 'locked' onto the lathe mandrel, and in the case of chucks have some form of security device to prevent them 'unwinding' during reverse operation.
9. Make sure your tools are stored/racked away from the turning area of the lathe. Do not reach over a rotating work piece at any time.
10. Do not 'dig in' or try to take too large a cut.
11. Do not leave the lathe running unattended; or leave the machine until everything is stopped.
12. If you are turning between centres with 'softish stuff', check and reposition the tailstock centre frequently.

SPECIFICATION

Code	107673
Model	AW240WL
Rating	Home Workshop
Power	375W 230V 1 ph
Speed	(5) 700 -1000 -1400 -2000 - 2800rpm
Spindle Taper	2MT
Spindle Thread	1" x 8tpi (Ref T04M)
Taper Tailstock	2MT
Distance Between Centres	440 mm(17")
Max Diameter over Bed	240 mm
Overall L x W x H	800 x 205 x 365 mm
Weight	38 kg

ASSEMBLY

Fig 01-02-03

The machine and its accessories will arrive coated with corrosion preventative grease. This will need to be cleaned from the machine, its components and accessories prior to it being set up. Use proprietary degreaser. Wear overalls, coverall and eye protection before cleaning.

95% of the machine comes fully assembled, all that remains is to fit the four prong drive centre (F), the 60° live centre (G), see fig 01-02 and tailstock wheel handle (E). Locate the handle (E) for the tailstock control wheel and screw securely into the pre-threaded hole in the wheel rim flange, using a flat blade screwdriver, see fig 03.

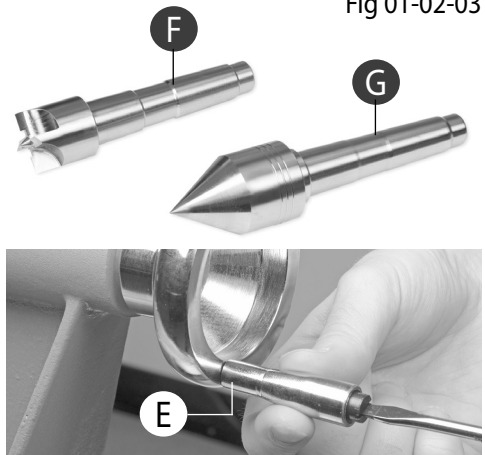
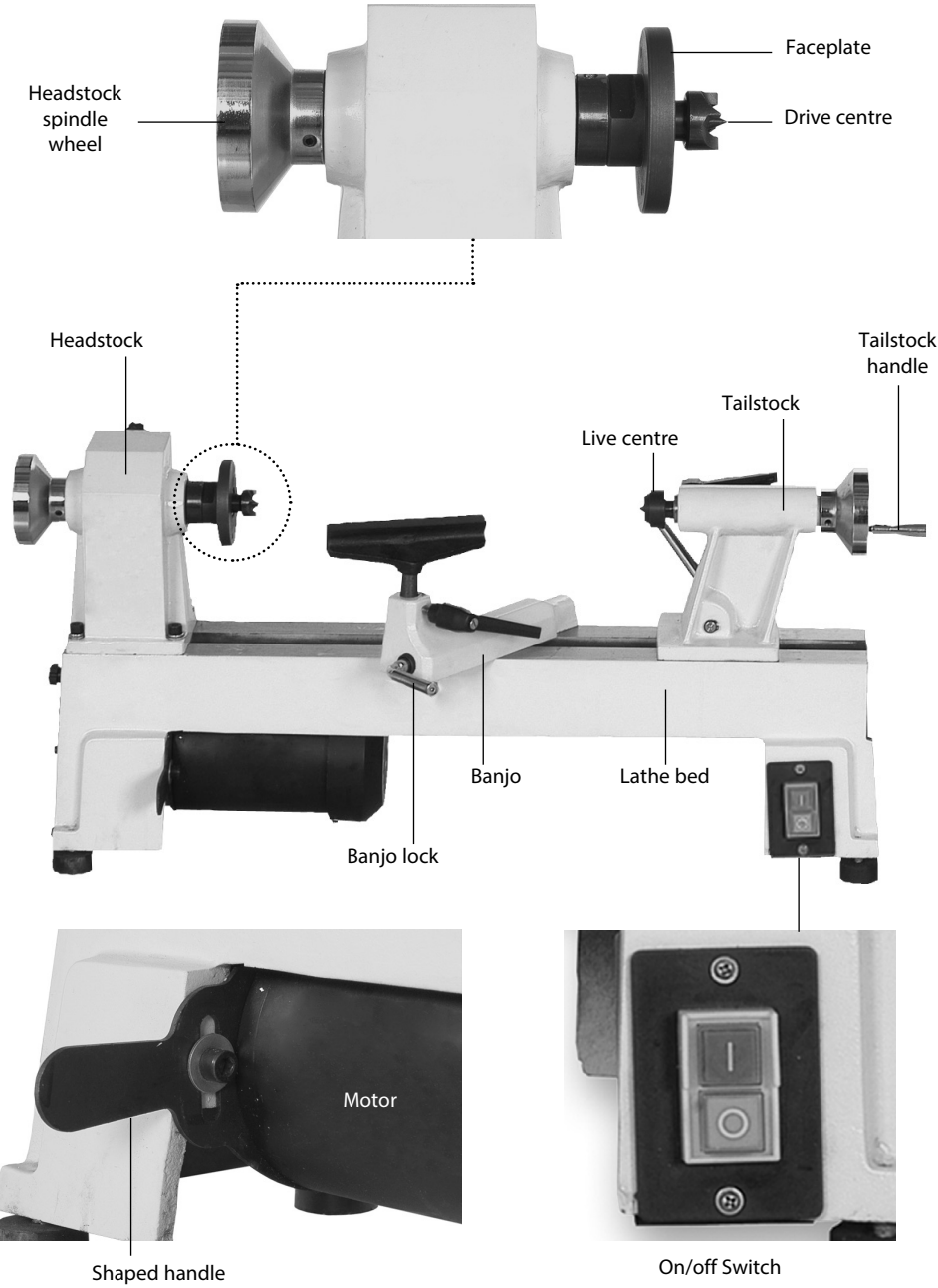
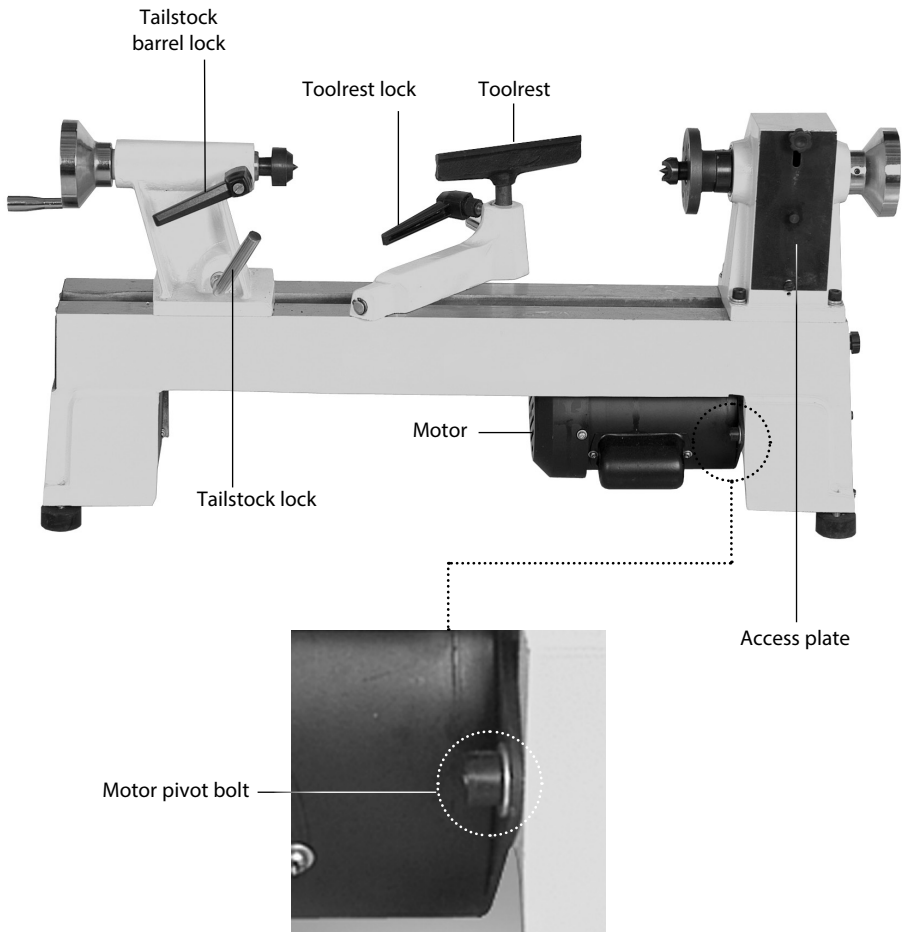


ILLUSTRATION AND PARTS DESCRIPTION

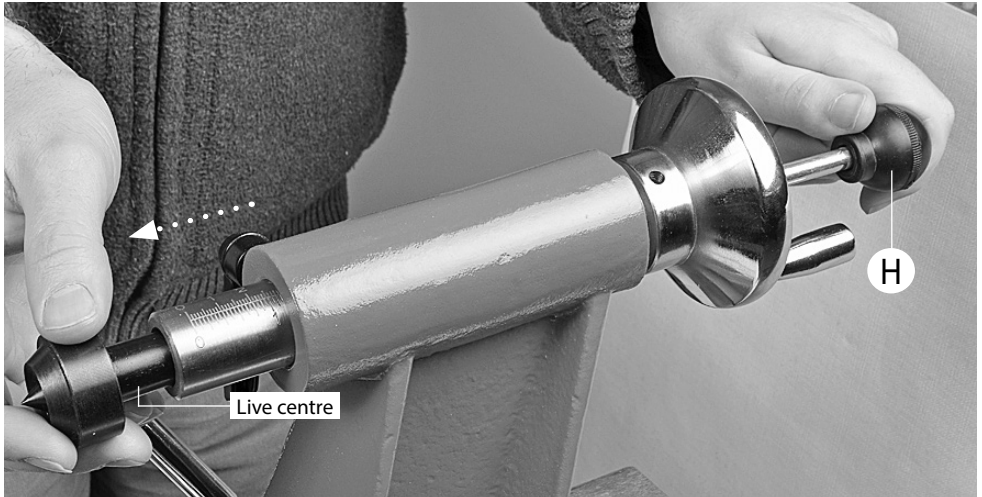




REMOVING DRIVE/LIVE CENTRES

To remove the Drive and Live Centres, locate the push rod (H), while holding the Live Centre insert the push rod through the centre hole of the ailstock wheel and push the Live Centre out, see fig 4. Repeat the procedure for the Drive Centre in the headstock.

Fig 04



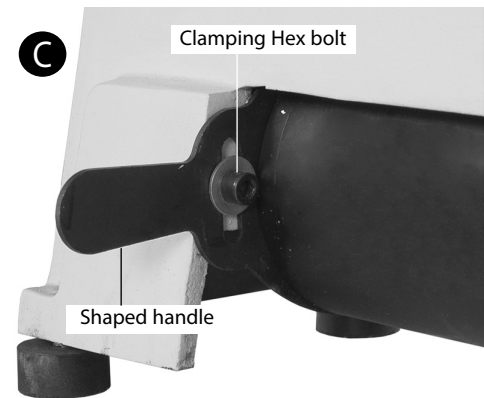
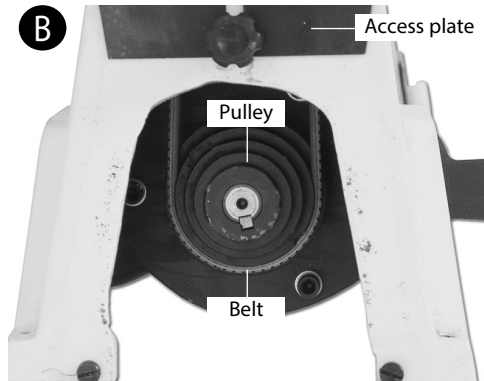
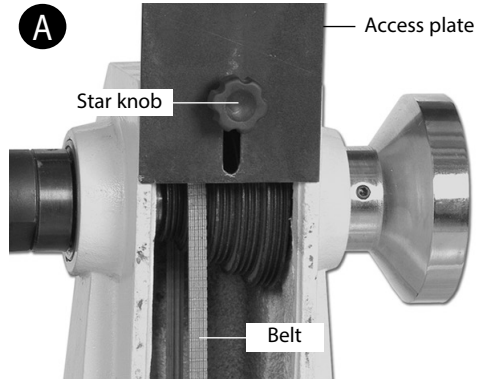
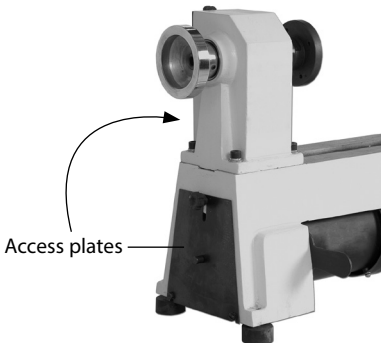
CHANGING THE SPINDLE SPEED



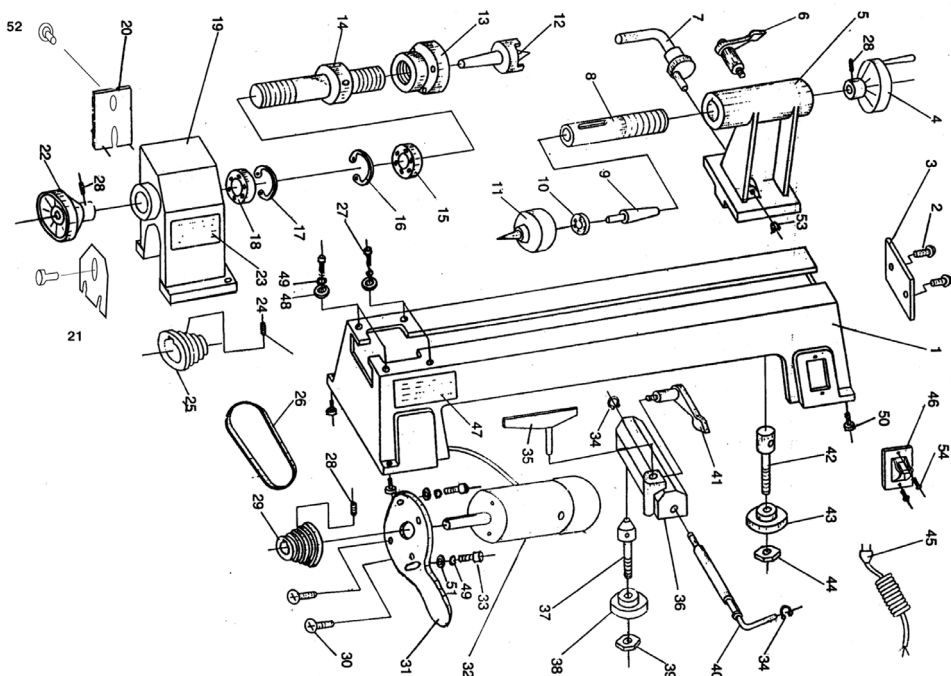
**DISCONNECT THE MACHINE
FROM THE MAINS SUPPLY!**

Note. The lowest speed pulley combination is furthest from the faceplate, i.e. smallest motor pulley diameter to largest spindle pulley diameter.

1. Loosen the 'star knobs' that secure the access plates on the headstock assembly, see figs A-B. Slide them out of the way to give you access to the belt.
2. Using the Hex key supplied, loosen the clamping Hex bolt behind the shaped handle of the motor plate, see fig C. You may need to slightly loosen the pivot bolt on the other side of the motor plate as well. Lift the motor plate up to give enough slack in the belt to enable it to be moved to the new selection. When the belt is located, turn the spindle to ensure the belt is correctly seated.
3. Check that the belt is vertical, the belt must not be run out of vertical alignment, this can cause the belt to 'jump' the pulley grooves, possibly the wrong way, and if it does manage to run, it will scuff the sides of the belt badly. When you are sure all is correct, press down on the motor plate handle to put tension on the belt.
4. Tighten up the clamping bolt to hold the motor plate in position. Replace/refit the cover plates. Reconnect the machine to the mains supply. Give the lathe a little 'burst' to check it all runs smoothly. When you are satisfied, remove any tools you may have been using; stow carefully away. The lathe is now ready to be used again.



EXPLODED DIAGRAMS/LISTS



PART NO	DESCRIPTION	QTY
1	Bed	1
2	Semicircle Head Screw	2
3	Retaining Plate	1
4	Handwheel	1
5	Tailstock	1
6	Lock Lever	1
7	Eccentric Axis	1
8	Tail Axis	1
9	Taper Rod	1
10	Bearing Ball	1
11	Cup Centre	1
12	Headstock Spur Centre	1
13	Faceplate	1

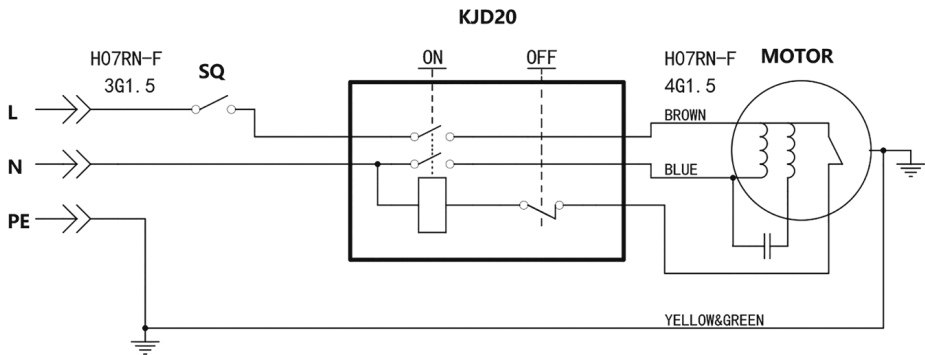
14	Headstock Spindle	1
15	Bearing Ball	2
16	Ring Retaining	1
17	Ring Retaining	1
18	Bearing Ball(202)	1
19	Headstock	1
20	Cover plate	1
21	Cover plate	1
22	Balance Wheel	1
23	Marking Plate	1
24	Hex. Socket Set Screw	1
25	Drive Pulley	1
26	Drive Belt	1
27	Hex. Socket Head Screw M8 x 25	1

EXPLODED DIAGRAMS/LISTS

28	Hex. Socket Set Screw M6 x 10	1
29	Motor Pulley	1
30	Flat Head Screw	2
31	Motor Plate	1
32	Motor	1
33	Hex. Socket Head Screw M8 x 20	1
34	Ring Retaining 12	2
35	Tool Rest	1
36	Tool Rest Base	1
37	Bolt	1
38	Plate	1
39	Hex. Nut	1
40	Lock Handle For Knife Base	1

41	Lock Lever	1
42	Bolt	1
43	Lock Plate	1
44	Hex. Nut	1
45	Power Cord	1
46	Switch	1
47	Warning Label	1
48	Washer 8	4
49	Spring Washer 8	6
50	Rubber Washer	4
51	Big Washer 8	2
52	Star Screws	1
53	Ring Retaining 10	1
54	Semicircle Head Screw M5 x 10	2

WIRING DIAGRAM



SQ: LIMIT SWITCH

KJD20: ELECTRO-MAGNETIC SWITCH

Declaration of Conformity



Nationality	
GB	The object of the declaration described is in conformity with the relevant GB/EU legislation.
DE	Der Gegenstand der beschriebenen Erklärung stimmt mit den einschlägigen GB/EU-Rechtsvorschriften überein.
FR	L'objet de la déclaration décrite est conforme à la législation GB/UE pertinente.
IT	L'oggetto della dichiarazione descritta è conforme alla legislazione GB/UE pertinente.
ES	El objeto de la declaración descrita está en conformidad con la legislación GB/UE pertinente.
NL	Het voorwerp van de beschreven verklaring is in overeenstemming met de relevante GB/EU-wetgeving.
DK	Genstanden for den beskrevne erklæring er i overensstemmelse med den relevante GB/EU-lovgivning.
SE	Föremålet för den beskrivna deklarationen överensstämmer med den relevanta GB/EU-lagstiftningen.
CZ	Předmět popsaného prohlášení je v souladu s příslušnými právními předpisy GB/EU.
PL	Przedmiot opisanej deklaracji jest zgodny z odpowiednimi przepisami GB/UE.
POR	O objeto da declaração descrita está em conformidade com a legislação GB/UE relevante.
NOR	Gjenstanden for den beskrevne erklæringen er i samsvar med den relevante GB/EU-lovgivningen.
FI	Määritellyn ilmoituksen kohde on asiaankuuluvan Ison-Britannian/EU: n lainsäädännön mukainen.
IS	Hluturinn í lýsingunni er í samræmi við viðeigandi lög GB/ESB.

Object of the Declaration: Axminster Workshop AW240WL Wood Lathe		
UK: Supply of Machinery (Safety) Regulations 2008 as amended Electromagnetic Compatibility Regulations 2016 as amended	EU: Machinery Directive 2006/42/EC EMC Directive 2014/35/EU	UK Address: Newhow Limited. Trading as Axminster Tools Weycroft Avenue Axminster. Devon EX13 5PH
Standards used or references to the other technical specifications in relation to which conformity is declared: ISO 12100:2010, EN 60204-1:2018 EN IEC 61000-3-2:2019, EN61000-3-3:2013+A1		European Address: Newhow Limited. Trading as Axminster Tools A-201. Haagsche Hof Parkstraat 83 The Hague 2514 JG Netherlands
Date: 7/3/2025 Place: Axminster	 Charlie Cross Operations Director	