OLYMPIATOOLS®
GOOD QUALITY. GREAT VALUE.

USER MANUAL

900W 76mm/3" BELT SANDER

BS900



UK CA CE

CONTENTS

SAFETY INFORMATION 3-5

SAFETY WARNING SYMBOLS 3
- Safety warning symbols - Belt sander 3
- Compliance and recycling symbols 3

SAFETY WARNINGS - GENERAL POWER TOOLS 4-5
- Work area safety 4
- Electrical safety 4
- Personal safety 4-5
- Power tool use and care 5
- Service 5

SAFETY WARNINGS - BELT SANDER 5

IN THE BOX 6

OPERATION INSTRUCTIONS 7-9
- Intended use 7
- On/off switch 7
- Switch lock-on button 7
- Variable speed control 7
- Soft grip handle 7
- Changing the sanding belt 8
- Adjusting the belt tracking 8
- Fitting the removable dust bag 8
- Replacing the drive belt 8
- Useful tips 9

TROUBLE SHOOTING 9
- If the sander will not operate 9
- If the sander does not remove material rapidly 9
- If the sanding belt wanders off the pulleys 9
- If a fault can not be rectified 9

MAINTENANCE 9

TECHNICAL SPECIFICATIONS 10-11
- Belt sander 10
- Noise/vibration information 10-11

DISPOSAL 12
- Packaging materials 12
- Electrical products 12

STORAGE 12

PLUG REPLACEMENT (UK AND IRELAND ONLY) 13

GUARANTEE 13

UK DECLARATION OF CONFORMITY 14

EU DECLARATION OF CONFORMITY 15

SAFETY INFORMATION



IMPORTANT: To reduce risk of injury, please read this user guide before assembly.

SAFETY WARNING SYMBOLS

The following warning symbols appear throughout this user guide and indicate the appropriate safety measures you should take when assembling and operating the sander.

⚠ WARNING!

This symbol marks a point of safety, indicating a warning. Ignoring this safety symbol could result in an accident to yourself or others. To limit the risks of injury, fire or electrocution, always follow the recommendations indicated.

Safety warning symbols - Belt sander



Protection Class II
(double insulated)

Compliance and recycling symbols



Complies with relevant European regulations



Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

SAFETY INFORMATION



IMPORTANT: To reduce risk of injury, please read this user guide before assembly.

SAFETY WARNINGS - GENERAL POWER TOOLS

⚠ WARNING!

Read all safety warnings and instructions. Failure to follow warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Work area safety

1. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Electrical safety

1. **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
2. **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
3. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
4. **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
5. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
6. **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

Personal safety

1. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
2. **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.



3. **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
4. **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

5. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
6. **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
7. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

Power tool use and care

1. **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
2. **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
3. **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
4. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
5. **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
6. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
7. **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

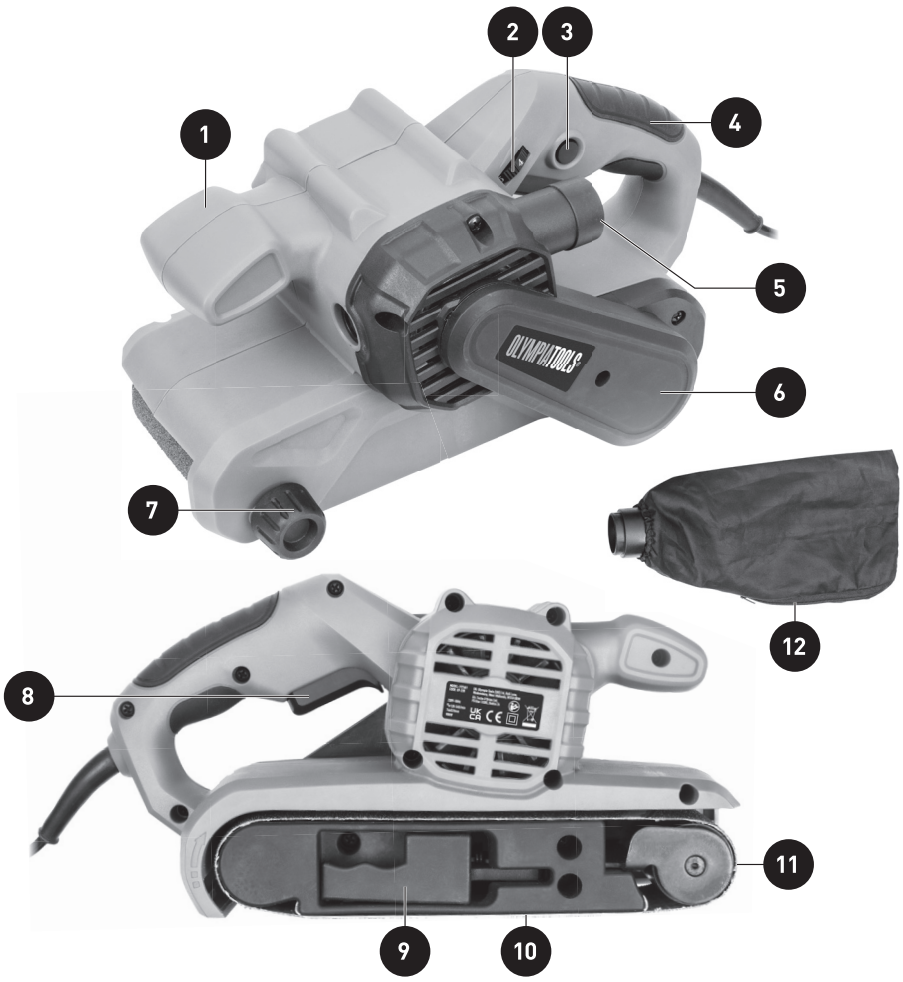
Service

Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

SAFETY WARNINGS - BELT SANDER

1. **Hold the power tool by the insulated soft grip surfaces, because the belt may contact its own cord.** Cutting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
2. **Contact or inhalation of dust generated when working with the sander may be harmful or toxic and can endanger the health of the operator and bystanders.**
3. **Never use the sander on asbestos, painted surfaces that contain lead, or woods and metals which when sanded can create harmful or toxic dust.** Risk of poisoning and dust-related hazards.
4. **Always wear personal protective equipment when carrying out grinding/sanding work, or if you are in the vicinity of someone carrying out grinding/sanding work.** Protective equipment such as goggles and a dust mask will reduce personal injuries.
5. **If operating the sander in a workshop ensure that a suitable dust extraction system is available and functioning correctly to reduce the exposure to wood dust to as low as is `reasonably practicable'.** Dust extraction systems will reduce dust-related hazards.
6. **Never sweep up or use compressed airlines as this will disturb the dust and allow it to become inhaled. Always clean up using a vacuum cleaner suitable for fine dust particles.** A suitable vacuum cleaner will reduce dust-related hazards.
6. **Never eat, drink or smoke at the workplace.** Risk of dust-related hazards.
7. **Never use a sander whilst barefoot or wearing sandals.** Risk of injury-related hazards.

IN THE BOX



1. Front handle
2. Variable speed control
3. Switch lock-on button
4. Soft grip handle
5. Dust outlet
6. Belt cover
7. Belt tracking adjustment knob
8. On/off switch
9. Tool-less belt change lever
10. Sanding plate
11. Sanding belt (fitted to machine)
12. Removable dust bag

OPERATION INSTRUCTIONS

IMPORTANT: To reduce risk of injury, please read this user guide before use.

Intended use

This tool is intended for dry sanding–with high removal capacity–of wood, plastic, metal, filler as well as varnished surfaces.

On/off switch (See fig. A)

Press to start and release to stop the tool.

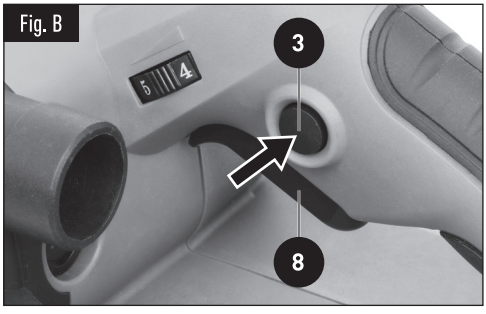
Fig. A



Switch lock-on button (See fig. B)

Press the On/off switch (8). For continuous operation, press the switch lock-on button (3) then release the On/off switch. Press the On/off switch again to release the switch lock-on button and the product switches off.

Fig. B

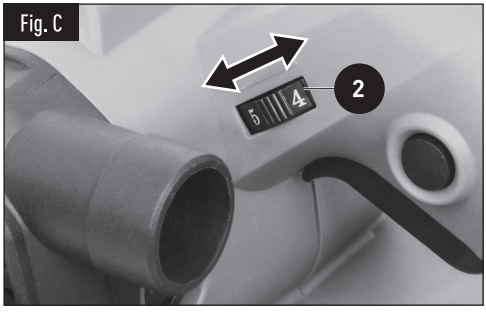


Variable speed control (See fig. C)

Adjust the variable speed control (2) to increase or decrease the speed according to the material and sanding belt specification to be used (also possible during no-load operation). See the table below for general guidance on speed selection. Avoid prolonged use at very low speed as this may damage the sander's motor.

MATERIAL	SPEED SELECTION	BELT GRIT
Solid wood	5-6	80
Veneer	2-4	150
Chipboard	1-5	60/80
Plastics	2-5	100
Steel	5-6	80
Paint removal	6	40/60
Balsa wood	1-3	100
Acrylic	1-2	100

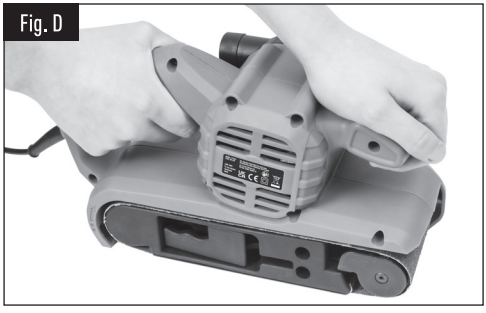
Fig. C



Soft grip handle (See fig. D)

Always hold your belt sander firmly with both hands when operating.

Fig. D

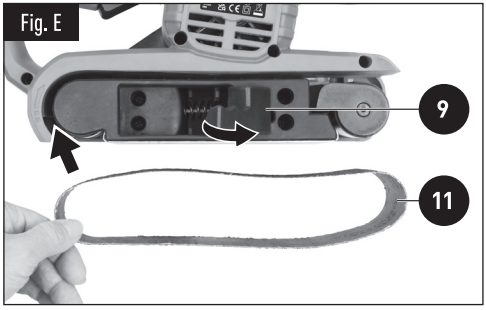


Changing the sanding belt (See fig. E)

⚠ WARNING!

Remove the mains plug from the socket before changing sanding belt. Pull the tool-less belt change lever (9) to release the belt tension. Remove and fit the new belt over both rollers (See fig. E). Ensure the direction of rotation arrows on the belt and the sander are the same. Close the lever to tension the belt.

Fig. E

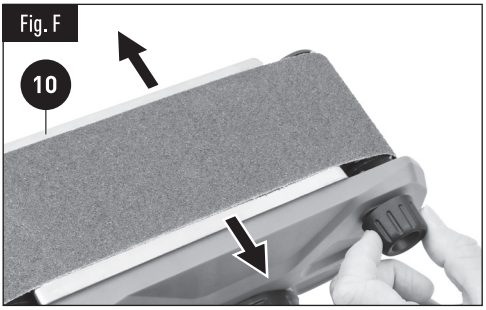


Adjusting the belt tracking (See fig. F)

⚠ WARNING!

Wear eye protection before carrying out a belt tracking adjustment. Turn the tool upside down, hold it firmly with one hand, start the motor and release the switch immediately after observing the tracking of the sanding belt. If the abrasive belt runs outward, turn the belt tracking adjustment knob (7) anti-clockwise, and clockwise if the belt runs inward (See fig. F). Adjust the belt until the outer edge of the belt is even with the outer edge of the sanding plate (10). Belt life will be greatly increased by keeping the tracking adjustment set properly.

Fig. F



Fitting the removable dust bag (See fig. G)

You must use the removable dust bag (12) provided to collect the dust produced during sanding. The plastic fitting on the dust bag slides onto the dust outlet on the belt sander. When the dust collection bag is full, remove and empty by opening the zip on the dust bag.

Fig. G



Replacing the drive belt (See fig. H & I)

⚠ WARNING!

Remove the mains plug from the socket before carrying out a drive belt replacement. Remove the screws (a) and the belt cover as shown. Carefully cut the drive belt if not already broken and remove from the belt sander. Fit the new drive belt around the large pulley. Then install onto the small pulley by rotating clockwise and pushing the drive belt around the small pulley at the same time. The drive belt will be a tight fit. Refit the belt cover and screws.

Fig. H

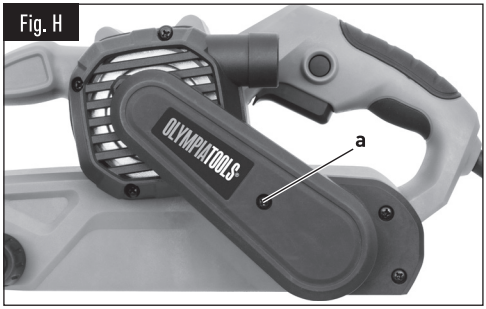


Fig. I



Useful tips

1. If your power tool becomes too hot, especially when used at low speed, set the speed to maximum and run with no-load for 2-3 minutes to cool the motor. Avoid prolonged usage at very low speed.
2. Always use a sanding belt suited to the material you wish to sand.
3. Always ensure the work-piece is firmly held or clamped to prevent movement.
4. Support large panels close to the sanding area. Any movement of the material may affect the quality of the sanding finish.
5. Start the sander before sanding and turn off only after stopping sanding.
6. For best results sand wood in the direction of the grain.
7. Do not start sanding without the sanding belt fitted.
8. Empty the dust bag every 5 minutes or sooner to ensure efficient dust collection.

TROUBLE SHOOTING

If the sander will not operate

Check the power at the mains plug.

If the sander does not remove material rapidly

Check the sanding belt. If the sanding belt is worn, replace with a new sheet and try again. The belt must be kept in a dry place, if it is allowed to become damp, the abrasive particles will lose their adhesion to the backing paper and will not remove material rapidly.

If the sanding belt wanders off the pulleys

Check and adjust the tracking as required.

If a fault can not be rectified

Return the sander to an authorised dealer for repair.

MAINTENANCE

Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.

Your power tool requires no additional lubrication or maintenance. There are no user serviceable parts in your power tool.

Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth.

Always store your power tool in a dry place.

Keep the motor ventilation slots clean. Keep all working controls free of dust.

If you see some sparks flashing in the ventilation slots, this is normal and will not damage your power tool.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

TECHNICAL SPECIFICATIONS

Belt sander

Model	YT7601 (BS900)
Code	09-230
Mains supply	220V-240V~50Hz
Power input	900W
No-load speed	120-340m/min
Belt size	76x533mm
Sanding surface	76x158mm
Protection class II	⧈
Weight	3.40kg

Noise/vibration information

Noise

A weighted sound pressure	L_{pA}: 89dB(A)
A weighted sound power	L_{wA}: 100dB(A)
	K_{pA} and K_{wA} =3.0dB(A)

⚠ WARNING!

Wear ear protection when sound pressure is over: 80dB(A)

Vibration

Vibration total values (triax vector sum) determined according to EN 62841:

Typical weighted vibration	Vibration emission value a_h = 3.41m/s^2
	Uncertainty K = 1.5m/s^2

The declared vibration total value may be used for comparing one tool with another, and may also be used in a preliminary assessment of exposure.

⚠ WARNING!

The vibration emission value during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used for example:

How the tool is used and the materials being cut or drilled.

The tool being in good condition and well maintained.

Use of the correct accessory for the tool and ensuring it is sharp and in good condition.

The tightness of the grip on the handles and whether any anti-vibration accessories are used.

The tool is being used as intended by its design and as detailed in this user guide.

This tool may cause hand-arm vibration syndrome if its use is not adequately managed.

⚠ WARNING!

To be accurate, an estimation of exposure level in the actual conditions of use should also take account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Maintain this tool in accordance with these instructions and keep well lubricated (where appropriate).

If the tool is to be used regularly then invest in anti-vibration accessories.

Avoid using tools in temperatures of 10^{0}C or less.

Plan your work schedule to spread any high vibration tool use across a number of days.

DISPOSAL

Packaging materials

Dispose of in an environmentally friendly way by adding to your recyclable waste bin, or by taking it to a public collection centre.



Electrical products

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.



STORAGE

Store the machine, operating instructions and where necessary the accessories in the original packaging. In this way you will always have all the information and parts ready to hand.

Pack the device well or use the original packaging in order to avoid transit damage.

Always keep the machine in dry place.

PLUG REPLACEMENT (UK AND IRELAND ONLY)

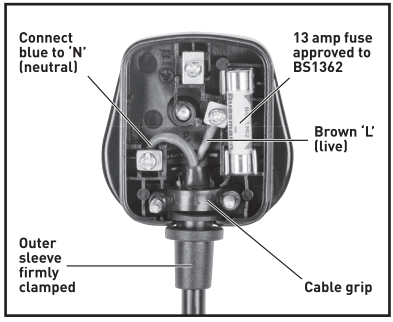
If you need to replace the fitted plug then follow the instructions below.

IMPORTANT
The wires in the mains lead are coloured in accordance with the following code:
Blue – Neutral
Brown – Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows. The wire which is coloured blue must be connected to the terminal which is marked with 'N'. The wire which is coloured brown must be connected to the terminal which is marked with 'L'.

⚠ WARNING!

Never connect live or neutral wires to the earth terminal of the plug. Only fit an approved BS1363/A plug and the correct rated fuse. Note: If a moulded plug is fitted and has to be removed take great care in disposing of the plug and severed cable, it must be destroyed to prevent engaging into a socket.



GUARANTEE

This product is selected for **DOMESTIC USE ONLY** and not for business use. This product is guaranteed against manufacturing defects for a period of 24 months. This does not cover the product where the fault is due to misuse, abuse, use in contravention of the instructions, or where the product has been the subject of unauthorised modifications or alterations, or has been the subject of commercial use. In the event of a problem with the product within the guarantee period please return it to your nearest store. If the item is shown to have an inherent defect present at the time of sale, the store will provide you with a replacement. Your statutory rights remain unaffected.

UK DECLARATION OF CONFORMITY

1. Apparatus product/model

Product: **900W 76mm/3" Belt sander**

Model: **YT7601 (BS900)**

2. This declaration of conformity is issued under the sole responsibility of the manufacturer

3. Object of the declaration

Product: **900W 76mm/3" Belt sander**

Model: **YT7601 (BS900)**

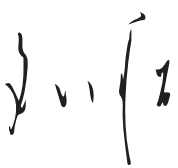
Rated voltage: **220V-240V-50Hz**

4. This 900W 76mm/3" Belt sander, model number YT7601 (BS900), fully complies with the Supply of Machinery (Safety) Regulations 2008, Electromagnetic Compatibility Regulations 2016, the Restriction of Use of Certain Hazardous Substances in Electrical & Electronic Equipment Regulations 2012, and the following standards:

EN 62841-1:2015+AC:15	EN 55014-2:2015
EN 62841-2-4:2014+AC:15	EN IEC 61000-3-2:2019
EN 55014-1:2017+A11:2020	EN 61000-3-3:2013+A1:2019

5. This declaration is made under the sole responsibility of:
SUMEC HARDWARE AND TOOLS CO., LTD.
No. 1 Xinghuo Road, Jiangbei New Arga, Nanjing, Jiansu, 210061 China

Chief Engineer
Wenjun
Date: Apr,01,2021



EU DECLARATION OF CONFORMITY

1. Apparatus product/model

Product: **900W 76mm/3" Belt sander**

Model: **YT7601 (BS900)**

---

2. This declaration of conformity is issued under the sole responsibility of the manufacturer

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3. Object of the declaration

Product: **900W 76mm/3" Belt sander**

Model: **YT7601 (BS900)**

Rated voltage: **220V-240V-50Hz**

---

4. This 900W 76mm/3" Belt sander, model number YT7601 (BS900), fully complies with the Machinery Directive 2006/42/EC, Electromagnetic Compatibility Directive 2014/30/EC, RoHS Directive 2011/65/EU and the following harmonized EU standards:

EN 62841-1:2015+AC:15

EN 62841-2-4:2014+AC:15

EN 55014-1:2017+A11:2020

EN 55014-2:2015

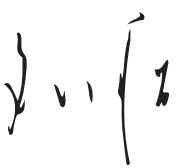
EN IEC 61000-3-2:2019

EN 61000-3-3:2013+A1:2019

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5. This declaration is made under the sole responsibility of:
SUMEC HARDWARE AND TOOLS CO., LTD.
No. 1 Xinghuo Road, Jiangbei New Arga, Nanjing, Jiansu, 210061 China

Chief Engineer
Wenjun
Date: Feb,25,2021



OLYMPIATOOLS®
GOOD QUALITY. GREAT VALUE.

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Magna Business Park, Citywest Road,
Dublin D24 FNY0, Ireland

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