

500W
DRILL
HAMMER
LUX



REPLACEMENT WARRANTY
12 MONTHS HOME USE

XU1 Power tools

iSC GmbH, Eschenstraße 6, D-94405 Landau, Germany

Telephone: GB: 0151 294 4488 / IRL: 1850 882711

SAFETY INSTRUCTIONS

 ALWAYS WEAR EYE, FACE AND EAR PROTECTION

When operating the tool

Check that the switch is in the "OFF" position before connecting to the power supply. Switch to "OFF" immediately after completion of the task.

Keep the mains cable away from any moving parts or accessories.

Never cover the ventilation slots in the tool.

Always hold the body and auxiliary handle firmly. Otherwise, the counterforces produced during use or the jamming of a drill bit can cause inaccuracies or put the drill out of control.

Electrical safety


The electric motor has been designed for one voltage only. Always check that the power supply corresponds to the voltage on the rating plate.




Using an extension lead

Always use an approved extension lead suitable for the power input of this tool. Before use, inspect the extension lead for signs of damage, wear and ageing. Replace the extension lead if damaged or defective.

When using an extension lead on a reel, always unwind the lead completely. Use of an extension lead not suitable for the power input of the tool or which is damaged or defective may result in a risk of fire and electric shock.


Description of symbols

 Read instruction manual

 Wear eye protection
 Wear breathing protection
 Wear hearing protection

 Double insulated

General Power Tool Safety Warnings

 **WARNING!** Read all safety warnings and all instructions. Failure to follow the 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 all of the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) Work area safety

- Keep work area clean and well lit.** Cluttered and dark areas invite accidents.
- 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.
- Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2) Electrical safety

- 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.
- 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.
- Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- 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.
- 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.
- 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.

3) Personal safety

- 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.
- Use personal protective equipment. Always wear eye protection.** Personal protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- 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.
- 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.
- Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- 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.
- 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**
 - 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.
 - 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.
 - 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.**
 - 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.

- Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
 - Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
 - Use the power tool, accessories and tool bits etc. in accordance with these instructions and in the manner intended for the particular type of power tool, 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.
- #### 5) 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.

Additional safety instructions for hammer drills


The tool is recommended for use with a residual current device with a rated residual current of 30mA or less.

Before drilling into walls, ceilings etc, ensure that there are no concealed power cables or pipes in the cavity.

Always use the auxiliary handle. This gives you greater control if the drill accessory should become jammed.

Keep the cord clear of the drill accessory, do not wrap the cord around your arm or wrist.

- Wear ear protectors with impact drills. Exposure to noise can cause hearing loss.
- Use auxiliary handles supplied with the tool. Loss of control can cause personal injury.

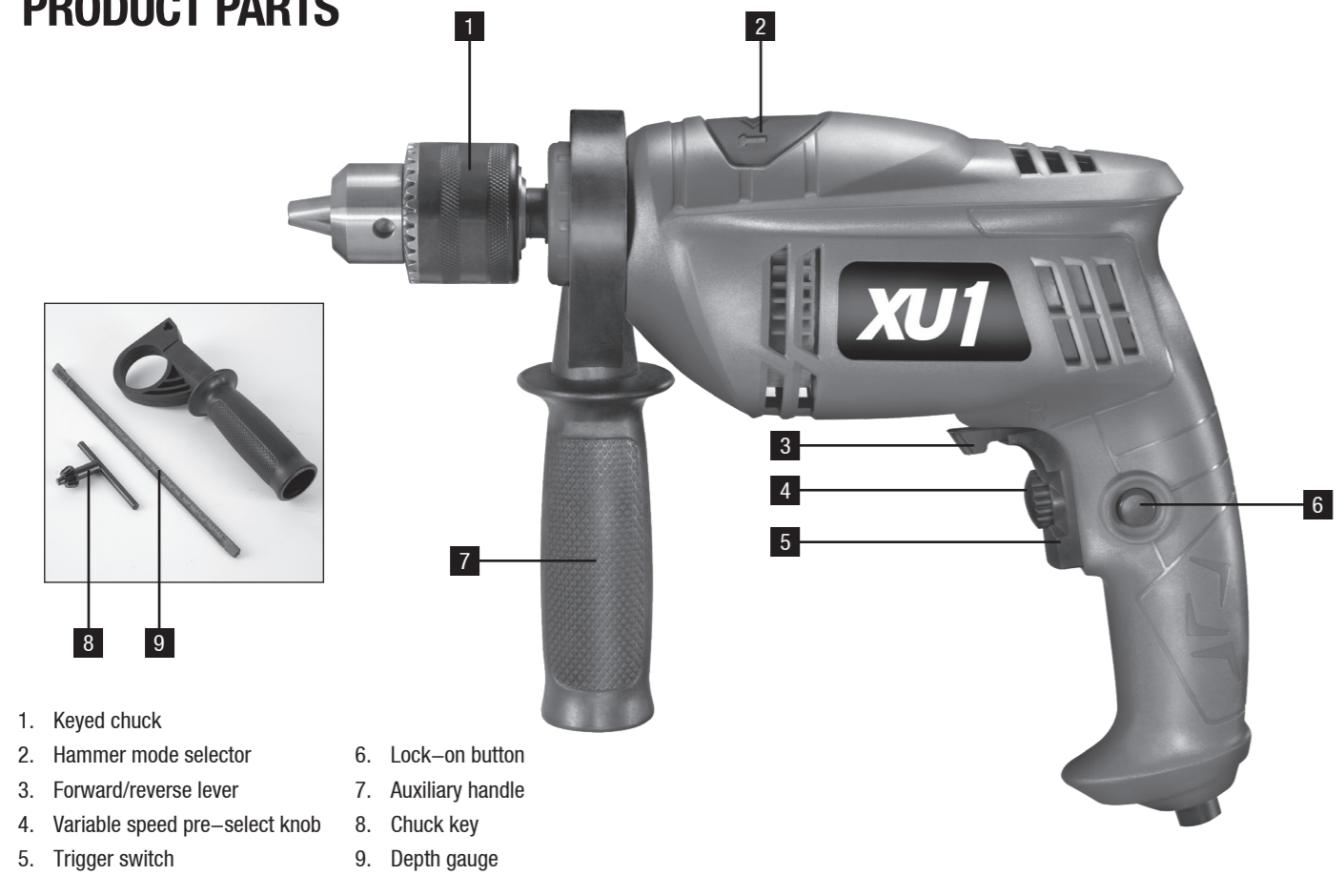
 **WARNING!** Some dust created by power sanding, sawing, grinding, drilling and other construction activities contain chemicals known to cause cancer, birth defects or other reproductive harm.

Some examples of these chemicals are:

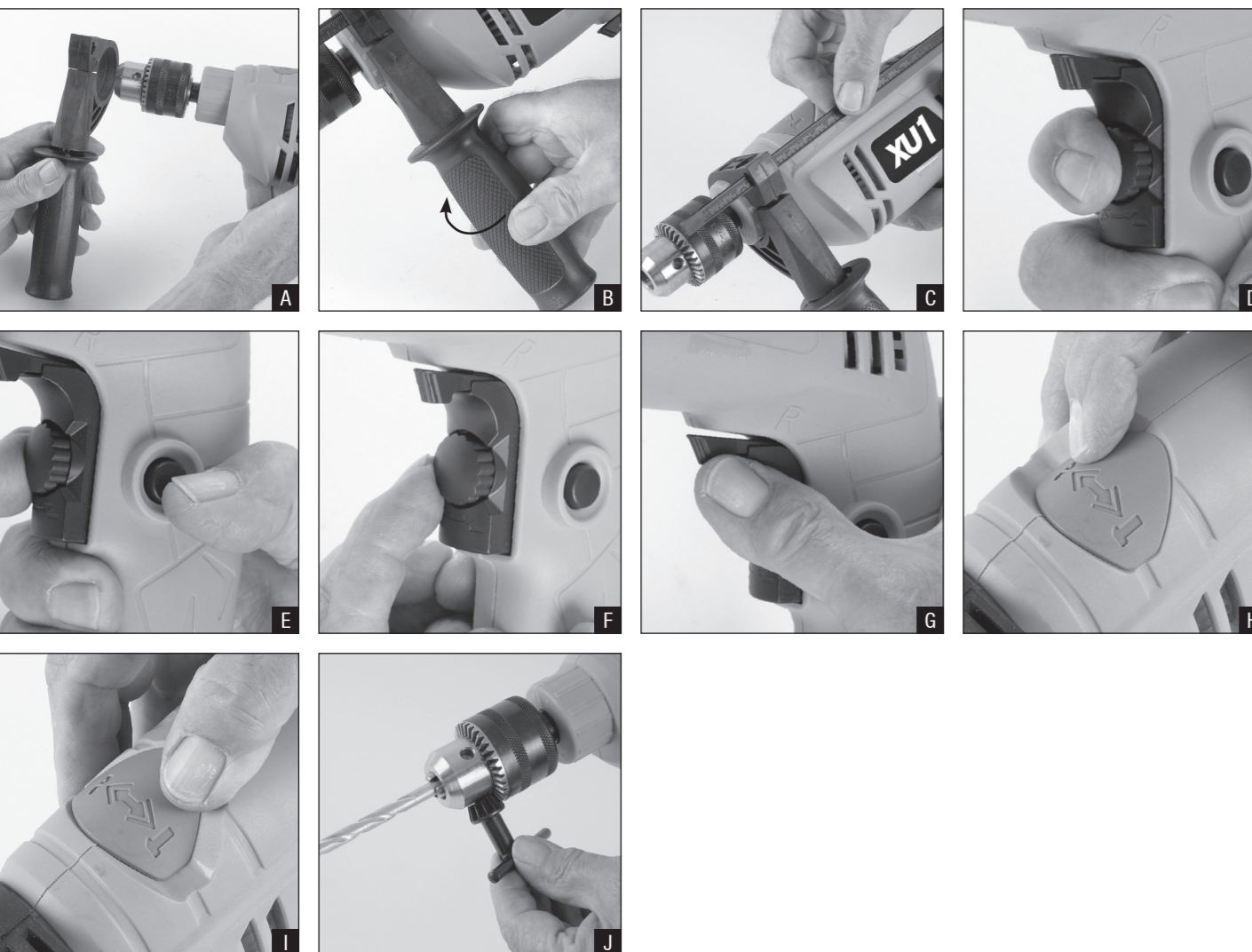
- Lead from lead-based paints
- Crystalline silica from bricks and cement and other masonry products
- Arsenic and chromium from chemically treated timber

Your risk from exposure to these chemicals varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area and work with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles.

PRODUCT PARTS



1. Keyed chuck
2. Hammer mode selector
3. Forward/reverse lever
4. Variable speed pre-select knob
5. Trigger switch
6. Lock-on button
7. Auxiliary handle
8. Chuck key
9. Depth gauge



SPECIFICATIONS

Input power:	500W
Input voltage:	230–240V~50Hz
No load speed:	0–2,800/min
Impact rate (hammer action):	0–44,800 bpm
Chuck capacity:	up to 13mm
Maximum drilling capacity	
Wood:	25mm
Steel:	10mm
Masonry:	13mm

USING YOUR HAMMER DRILL

WARNING! Be sure to disconnect the hammer drill from the power supply before fitting or removing accessory bits.

Your XU1 Hammer Drill has been designed for drilling timber and metal utilising a normal drilling action and into masonry using hammer action.

This tool is intended for use in a DIY (Do It Yourself) context or for hobbyist purposes. It is not built for continuous daily use in a trade or professional capacity.

Before using the machine, carefully read these instructions, especially the safety rules to help ensure that your machine always operates properly.

Before attempting to operate the machine, familiarise yourself with the controls and make sure you know how to stop the machine quickly in an emergency.

Save these instructions and the other documents supplied with this machine for future reference.

Getting started

Attaching the auxiliary handle

1. The auxiliary handle provides additional control, support and guidance for the drill.
2. The auxiliary handle can be set to any position around the 360° handle collar mount.
3. Loosen the auxiliary handle grip by rotating it anti-clockwise to the handle collar.
4. Slide the collar of the auxiliary handle over the chuck and onto the auxiliary handle collar mount of the drill. **Fig A**
5. Secure the auxiliary handle by turning the auxiliary handle grip clockwise. **Fig B**

Adjusting the depth rod

1. Loosen the auxiliary handle by turning it anti-clockwise.
2. Adjust the depth rod so that the drill bit extends beyond the end of the rod to the required drilling depth. **Fig C**
3. Lock the depth rod in position by turning the auxiliary handle clockwise.

Controls

It is important to understand the functions of the various controls. Please see below how and when to use the on/off switch, speed control, speed pre-selector, forward/reverse control and drill/hammer selector.

Familiarise yourself with these controls before first use of your new drill.

On/off switch

1. Turn the drill on by depressing the trigger switch. To turn the tool off, release the trigger switch. **Fig D**
2. The tool can be locked on by first depressing the trigger switch and then pressing the lock-on button. **Fig E**
3. Once the lock-on button has been engaged, the switch will remain locked on.
4. To turn the tool off, press and release the trigger switch.

Speed control

1. The speed can be varied according to the pressure applied to the trigger switch. The harder you squeeze, the faster the rotation from zero up to a pre-set maximum.

Maximum pre-set speed selection

1. The speed selection dial can be used to pre-set any required speed by turning the dial. Once you have set the dial you are then limited to the speed range of zero to the speed selected. **Fig F**

Forward/reverse lever

1. The direction of rotation of the chuck is controlled by the forward/reverse lever located above the trigger switch.
2. For forward rotation: move the lever to the left.
3. For reverse rotation: move the lever to the right.

Note. Do not change the direction of rotation while the chuck is still in motion. **Fig G**

Adjusting between hammer and drill mode of operation

1. Move the mode selector to the left (hammer icon **T**) to select the hammer mode. **Fig H**
2. Move the mode selector to the right (drill bit icon **I**) to select the drill mode. **Fig I**

Note. When drilling in hammer mode, carbide tipped drill bits should be used and the drill must be set to rotate in the forward rotation.

Inserting a bit

1. Disconnect the drill from the mains supply.
2. Twist the chuck sleeve to open the jaws slightly larger than the diameter of the bit you are inserting.
3. Insert the drill bit up to its flutes making sure it is centred in the jaws.
4. Tighten the chuck by turning the chuck sleeve.
5. Once the jaws have clamped evenly around the drill bit, use the chuck key to tighten the chuck fully. **Fig J**
6. Always tighten the chuck using all three holes. This will ensure a firm grip on the accessory.
7. Occasionally check the tightness of the chuck during drilling as it may vibrate loose.
8. Reconnect the drill to the supply, switch on and check that the bit runs true and does not wobble indicating that it is not sitting square. Adjust if necessary after again disconnecting the tool from the power supply.

Removing a bit

1. Disconnect the drill from the power supply.
2. Use the chuck key to loosen the chuck.
3. Remove the bit.

Note. Use gloves to handle drill bits and other sharp accessories. Also be aware that drill bits can be very hot after even a short period of use.

Drilling in all materials

1. Always use sharp drill bits.
2. Mark the place where the hole is to be drilled.
3. Commence with a slow speed to start the hole then increase the speed once the hole has been started.
4. Reduce your pressure on the tool when the drill bit is about to break through the material.

Drilling in metal

1. Move the mode selector to the right (drill bit icon **I**) to select the drill mode.
2. Support thin material on a scrap piece of wood.
3. Use a punch to mark the position of the hole. Careful use of the variable speed feature allows you to start holes without centre punching. Operate the drill at a low speed until you start the hole.
4. If drilling a large hole use a small drill at first to establish a pilot hole then use the required large size drill bit.
5. Use only HSS (high speed steel) drill bits or those recommended for metal use.
6. When drilling into iron or steel, use a cooling lubricant such as thin oil.
7. With aluminium, use turpentine or paraffin.
8. With brass, copper and cast iron, use no lubricant but withdraw the drill regularly to assist cooling.

Drilling in wood

1. Move the mode selector to the right (drill bit icon **I**) to select the drill mode.
2. Mark the place where you want to drill with a punch or nail.
3. To avoid splintering on breakthrough either clamp a piece of scrap wood to the back of the work piece or continue the hole from the back of the work piece when the drill bit first breaks through.

Hammer drilling in masonry

1. Move the mode selector to the left (hammer icon **T**) to select the hammer mode.
2. Hold the drill firmly and place the bit at the point to be drilled.
3. Depress the switch to start the drill.
4. Move the drill bit into the work piece applying only enough pressure to keep the bit cutting.

Note. Do not force the drill or apply side pressure to elongate a hole. Let the drill and bit do the work.

5. If the bit jams in the work piece or if the drill stalls, stop the tool immediately. Remove the bit from the work piece and determine the reason for jamming.

MAINTENANCE

1. Your tool has been designed to operate over a long period of time with a minimum of maintenance.
2. Continuous satisfactory operation depends upon proper tool care and regular cleaning.

WARNING! Before performing any maintenance, switch off and disconnect from the mains supply.

3. When not in use the drill should be stored in a dry, frost-free location not within the reach of children.
4. Keep ventilation slots of the drill clean at all times and prevent any foreign matter from entering.
5. If the housing of the drill requires cleaning do not use solvents but a moist soft cloth only.

Note. Ozito Industries will not be responsible for any damage or injuries caused by repair of the tool by an unauthorised person or by mishandling of the tool.

WARRANTY

All of our products undergo strict quality checks to ensure that they reach you in perfect condition. In the unlikely event that your device develops a fault, please contact our service department at the address shown on this guarantee card. You can also contact us by telephone using the customer service number shown. Please note the following terms under which guarantee claims can be made:

1. These warranty terms regulate additional warranty services, which the manufacturer mentioned below promises to buyers of its new products in addition to their statutory guarantee claims are not affected by this guarantee. Our guarantee is free of charge to you.

2. The warranty services only covers defects due to material or manufacturing faults on a product which you have bought from the manufacturer mentioned below are limited to either the rectification of said defects on the product or the replacement of the product, whichever we prefer. Please note that our devices are not designed for use in commercial, trade or professional applications. A guarantee contract will not be created if the device has been used by commercial, trade or industrial business or has been exposed to similar stresses during the guarantee period.

3. The following are not covered by our guarantee:

- Damage to the device caused by a failure to follow the assembly instructions or due to incorrect installation, a failure to follow the operating instructions (for example connecting it to an incorrect mains voltage or current type) or a failure to follow the maintenance and safety instructions or by exposing the device to abnormal environmental conditions or by lack of care and maintenance.
- Damage to the device caused by abuse or incorrect use (for example overloading the device or the use or unapproved tools or accessories), ingress of foreign bodies into the device (such as sand, stones or dust, transport damage), the use of force or damage caused by external forces (for example by dropping it).
- Damage to the device or parts of the device caused by normal or natural wear or tear or by normal use of the device.

4. Your Product is guaranteed for a period of 12 months from the original date of purchase and is intended for DIY (Do It Yourself) use only. Warranty excludes consumable parts, for example: cutting blade. Guarantee claims should be submitted before the end of the guarantee period within two weeks of the defect being noticed. No guarantee claims will be accepted after the end of the guarantee period. The original guarantee period remains applicable to the device even if repairs are carried out or parts are replaced. In such cases, the work performed or parts fitted will not result in an extension of the guarantee period, and no new guarantee will become active for the work performed or parts fitted. This also applies if an on-site service is used.

IN ORDER TO MAKE A CLAIM UNDER THIS WARRANTY YOU MUST RETURN THE PRODUCT TO THE PLACE OF PURCHASE WITH YOUR REGISTER RECEIPT.

Please refer to the restrictions of this warranty concerning wearing parts, consumables and missing parts as set out in the service information in these operating instructions.

CUSTOMER SERVICE HELPLINE
GB: 0151 294 4488
IRL: 1850 882711

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Unit 9 Stadium Court, Wirral International Business Park, Plantation Road, Bromborough, Wirral, CH62 3QG