




**ULTIMATE
FORCE**



USER'S MANUAL

Variable Speed Jigsaw with Laser and 6 Blades ET1378US

THIS INSTRUCTION BOOKLET CONTAINS **IMPORTANT** SAFETY INFORMATION. PLEASE READ AND KEEP FOR FUTURE REFERENCE.

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Contact our friendly customer service department for help first.

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Before You Start

- ⚠ Please read all instructions carefully.
- ⚠ Retain instructions for future reference.
- ⚠ Separate and count all parts and hardware.
- ⚠ Read through each step carefully and follow the proper order.
- ⚠ We recommend that, where possible, all items are assembled near to the area in which they will be placed in use, to avoid moving the product unnecessarily once assembled.
- ⚠ Always place the product on a flat, steady and stable surface.
- ⚠ Keep all small parts and packaging materials for this product away from babies and children as they potentially pose a serious choking hazard.



Description of Symbols

The rating plate on your tool may show symbols. These represent important information about the product or instructions on its use.



Wear hearing protection
Wear eye protection
Wear breathing protection
Wear head protection



Wear hand protection



Read instruction manual



Double insulated for additional protection



Environmental Protection

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

Specification

Voltage:.....120V~60Hz
Power:.....800W
No load speed:.....0 - 3000 rpm
Bevel range:.....45° (left and right)
Blade type:.....Bayonet
Protection class: ☒ IP20
Ingress protection:.....IP20

Max cutting capacities:

Wood 80mm
Steel 10mm

WARNING: Always wear ear protection where the sound level exceeds 85dB(A) and limit the time of exposure if necessary. If sound levels are uncomfortable, even with ear protection, stop using the tool immediately and check the ear protection is correctly fitted and provides the correct level of sound attenuation for the level of sound produced by your tool.

WARNING: User exposure to tool vibration can result in loss of sense of touch, numbness, tingling and reduced ability to grip. Long term exposure can lead to a chronic condition. If necessary, limit the length of time exposed to vibration and use anti-vibration gloves. Do not operate the tool with hands below a normal comfortable temperature, as vibration will have a greater effect. Use the figures provided in the specification relating to vibration to calculate the duration and frequency of operating the tool.

Sound and vibration levels in the specification are determined according to EN60745 or similar international standards. The figures represent normal use for the tool in normal working conditions. A poorly maintained, incorrectly assembled, or misused tool, may produce increased levels of noise and vibration. www.osha.europa.eu provides information on sound and vibration levels in the workplace that may be useful to domestic users who use tools for long periods of time.

Carefully read and understand this manual and any label attached to the tool before use. Keep these instructions with the product for future reference. Ensure all persons who use this product are fully acquainted with this manual.

Even when used as prescribed it is not possible to eliminate all residual risk factors. Use with caution. If you are at all unsure of the correct and safe manner in which to use this tool, do not attempt to use it.

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.

WARNING: This appliance is not intended for use by persons (including children) with reduced, physical or mental capabilities or lack of experience or knowledge unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children must be supervised to ensure that they do not play with the appliance.

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

- Keep work area clean and well lit. Cluttered or 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**

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**
- NOTE:** The term "residual current device (RCD)" may be replaced by the term "ground fault circuit interrupter (GFCI)" or "earth leakage circuit breaker (ELCB)".

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. 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 & 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 tool's 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, 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**

Jigsaw Safety

WARNINGS: Before connecting a tool to a power source (mains switch power point receptacle, outlet etc.) be sure that the voltage supply is the same as that specified on the nameplate of the tool. A power source with a voltage greater than that specified for the tool can result in serious injury to the user, and damage to the tool. If in doubt, do not plug in the tool. Using a power source with a voltage less than the nameplate rating is harmful to the motor.

For safety relating to protective clothing/equipment and general health hazards relating to power tools; refer to General and Electrical Safety sections in this manual

- Do not let anyone below 18 years of age operate this jigsaw
- Ensure there is adequate lighting
- Rags, clothes, cord and string etc should not be left around the work area
- Keep the area free of tripping hazards
- Inspect the workpiece and remove all embedded objects before starting work
- Support or clamp the workpiece to avoid vibration, and ensure a good cut
- See specification section of this manual for the correct type of blade. Incorrect blades may not be secured correctly, causing a safety hazard
- Only use blades that are in good condition
- To avoid the possibility of an electric shock, always hold the saw using the insulated handles
- If you are interrupted when operating the saw, complete the process and switch off before looking up
- Keep your hands away from the underside of the workpiece
- Ensure that an appropriate blade is used for the material being cut
- Ensure all supports and power cables are completely clear of the cutting path
- Where guards exist, ensure they are in place
- Do not put pressure on the tool. Allow the blade to cut at its own pace. This will produce better results and maximise the service life of the tool
- Before cutting, check that there is sufficient clearance for the blade under the workpiece
- Always keep the shoe pressed against the workpiece
- Do not attempt to cut material thicker than detailed in the specifications section of this manual
- Do not force the blade to bend or twist whilst cutting
- If a cut does not extend to the edge of the workpiece, allow the blade to come to a complete stop before lifting it from the workpiece
- Do not use your hands to remove sawdust, chips or waste close by the blade
- Do not reach over the blade to remove waste or off-cuts
- Blades heat up during use. Allow to cool completely before handling
- If a blade jams, disconnect the machine from the power supply prior to releasing the blade
- Periodically check that all nuts, bolts and other fixings, tighten where necessary

Cutting Tool Safety

Use the correct cutting tool

- Ensure the cutting tool is suitable for the job. Do not assume a tool is suitable without checking the product literature before use

Protect your eyes

- Always wear appropriate eye protection when using cutting tools
- Spectacles are not designed to offer any protection when using this product; normal lenses are not impact resistant and could shatter

Protect your hearing

- Always wear suitable hearing protection when tool noise exceeds 85dB

Protect your breathing

- Ensure that yourself, and others around you, wear suitable dust masks

Be aware of others around you

- It is the responsibility of the user to ensure that other people in the vicinity of the work area are not exposed to dangerous noise or dust and are also provided with suitable protective equipment

Hidden objects

- Inspect the workpiece and remove all nails and other embedded objects before cutting
- Do not attempt to cut material that contains embedded objects unless you know that the cutting tool fitted to your machine is suitable for the job
- Walls may conceal wiring and piping, car body panels may conceal fuel lines, and long grass may conceal stones and glass. Always check the work area thoroughly before proceeding

Beware of projected waste

- In some situations, waste material may be projected at speed from the cutting tool. It is the user's responsibility to ensure that other people in the work area are protected from the possibility of projected waste

Fitting cutting tools

- Ensure cutting tools are correctly and securely fitted and check that wrenches / adjusters are removed prior to use
- Only use cutting tools recommended for your machine
- Do not attempt to modify cutting tools

Beware of heat

- Cutting tools and workpieces may become hot in use. Do not attempt to change tools until they have been allowed to cool completely

Control dust / swarf

- Do not allow dust or swarf to build up. Sawdust is a fire hazard, and some metal swarf is explosive
- Be especially careful when cutting wood and metal. Sparks from metal cutting are a common cause of wood dust fires
- Where possible, use a dust extraction system to ensure a safer working environment

Product Familiarisation

1	Speed Control Dial
2	On/Off Trigger Switch
3	Lock-On Button
4	Dust Extraction Port (shown with adapter fitted)
5	Base
6	Pendulum Action Selector
7	Blade
8	Guide Locking Screw
9	Blade Locking Bolts
10	Parallel Guide Fence
11	Bevel Locking Screws
12	Laser Switch

Intended Use

Variable speed pendulum action jigsaw for light to medium duty cutting tasks of wood, plastic and thin sheet metal (when using appropriate blades).

Unpacking Your Tool

- Carefully unpack and inspect your tool. Fully familiarise yourself with all its features and functions
- Ensure that all parts of the tool are present and in good condition. If any parts are missing or damaged, have such parts replaced before attempting to use this tool

Before Use

Fitting a blade

- Always check that a suitable blade is selected for the job that is to be done (refer to the blade manufacturers information before use)
- Only fit blades that are in perfect condition. Blunt, bent and cracked blades should be discarded
- Invert the jigsaw, remove the guard and loosen the Blade Locking Bolts (9)
- Position the blade between the two locking bolts, so that the blade rests against the guide roller

Note: ALWAYS apply a lubricant between the blade and the roller, if you plan on cutting metal or other hard materials.

- Tighten the Blade Locking Bolts (9) and replace the guard
- Ensure that the blade is fully secure before use
- To remove the blade, remove the guard and loosen the blade locking bolts then withdraw the blade from the underside of the saw

Connecting the dust extraction system

- This jigsaw is equipped with a Dust Extraction Port (4). Connecting the tool to a vacuum cleaner or workshop dust extraction system is the preferred method of dust extraction
- If vacuum dust extraction is unavailable, you must fit a generic dust bag (not included)

WARNING: Take special care when cutting some woods (such as beech, oak, mahogany and teak), as the dust produced is toxic and can cause extreme reactions. Always wear appropriate respiratory protection.

WARNING: DO NOT use a dust bag when cutting metal. Hot metal particles and sparks could ignite residual wood dust, or cause the bag to catch fire. Always connect the jigsaw to a workshop dust extraction system when cutting metal. Always clean the tool THOROUGHLY when switching from cutting wood to cutting metal, and vice versa.

Setting pendulum action

- This jigsaw features a pendulum cutting function. Pendulum action enables more efficient cutting
 1. For fast cutting and thick material, set the Pendulum Action Selector (6) to a high number
 2. For fine cutting and thin material, set the Pendulum Action Selector (6) to a low number

Note: Practice using different pendulum settings to achieve the best finish for your material.

Setting bevel angle

- This jigsaw is equipped with a tilting Shoe (5). This allows bevel cuts to be made up to 45° to the left or right hand side
 1. To alter the angle of the shoe, invert the jigsaw and loosen the Bevel Locking Screws (11). The shoe is now free to pivot
 2. Adjust the shoe to the required angle and then tighten the Bevel Locking Screws

Note: Ensure that the shoe is secured firmly in position prior to use.

Setting cutting speed

- To alter the cutting speed, rotate the Speed Control Dial (1). A high number indicates a high cutting speed
- Always set the machine speed to suit the material being cut
- For soft materials use a high cutting speed
- For hard materials use a low cutting speed. If cutting metal, use a suitable coolant/cutting fluid

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