

Operation Manual

Plastic Pipe Welding Machine

61492



Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!

Due to further developments, illustrations, functioning steps, and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.



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Introduction

Thank you for purchasing this quality product. **To minimize the risk of injury we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**

Keep these operation instructions safe.

General warnings and safety information

Safety in the work area

- Make sure that your work area is clean and well-lit. Untidy and dark work areas increase the risk of accidents.
- Do not use the tool in potentially explosive areas where there are flammable liquids, gases, or dust. Power tools generate sparks that can ignite the dust or fumes.
- Keep children and other people away from the work area while operating the device. Distractions can make you lose control of the device.

Electrical safety

- The plug must match the socket. It must not be changed under any circumstances. Do not connect an earthed electrical device to the power supply using an adaptor. An unchanged plug and the matching socket reduce the risk of electric shock.
- Avoid body contact with earthed surfaces such as pipes, radiators, stoves, and refrigerators. The risk of electric shock increases when your body is earthed.
- Do not expose an electrical device to moisture or rain. Water entering an electrical device increases the risk of electric shock.
- Do not use the power cord to carry an electrical device, to hang it up or to pull the plug out of the socket. Keep the cord away from heat, oil, sharp edges, or moving parts. Damaged or tangled cables increase the risk of electric shock.
- When working outdoors, an extension cord approved for outdoor work must be used. Using such a cable will reduce the risk of electric shock.
- If the use of the electrical device in a humid environment is unavoidable, install a residual current circuit breaker. Using such a switch will reduce the risk of electric shock.

Personal safety

- Be vigilant, focus all your attention on what you are doing, and use common sense while working. Do not use the electrical device when you are tired or under the influence of alcohol, drugs, or medicine. A moment of inattention leads to the device no longer being controllable, which can result in serious injuries.
- Put on protective equipment and always wear protective goggles. Protective equipment such as a dust mask, non-slip safety shoes, a hard hat, or hearing protection reduce the risk of injury depending on the working conditions.
- Avoid unintentional use of the electrical device. Make sure that the switch is in the off position before connecting it to power and/or a battery, picking it up, or carrying it. When you carry the device, make sure that your finger is not on the on/off switch; do not plug it in with the switch on. Otherwise, an accident could occur.
- Remove any adjustment tools before switching on the device. An adjustment tool still attached to a rotating part of the device can cause serious injury.
- Avoid an unnatural posture. Stand safely and always keep your balance. This makes the device easier to control if something unexpected happens.
- Wear suitable clothing. Avoid loose clothing, do not wear jewellery. Keep hair, clothing, and gloves away from moving parts. Loose clothing, jewellery, or long hair can get caught in moving parts.
- If a dust extractor or collector can be installed, ensure that it is connected and used correctly.



Safety when using and handling the power tool

- Do not overload the device. Only use a device specifically designed for your work. The device intended for the respective work functions better and safer if it is operated in the specified performance range.
- Do not operate the device if its on/off switch is defective. An electrical device that can no longer be switched on or off at the switch is dangerous and must be repaired.
- Disconnect the electrical appliance from the power supply before adjusting it, replacing accessories, or putting it down. This avoids unintentional start-up of the device.
- Keep the electrical device out of children's reach when it is not in use. Do not allow someone to use the device who is not familiar with it or who has not read these operating instructions. If a device is put into operation by an inexperienced user, it becomes dangerous.
- Carefully maintain the power tool. Inspect its moving parts for proper function and check to see if any parts have jammed, are broken, or if anything else has occurred that could affect the proper operation of the device. Have damaged parts of the tool repaired before any further use. Many accidents occur due to poorly maintained tools and equipment.
- Only use an electrical device, its accessories, the tools used for it, etc. in accordance with these operating instructions. Also consider the working conditions and the work to be performed. If an electrical device is used for purposes other than those for which it is intended, it can become dangerous.

Maintenance and repair

Only have the electrical device repaired by a specialist and with original spare parts. This ensures that the device can continue to be operated safely.

Special warnings and safety information

- Only use an earthed outlet during use.
- Keep hands and inflammable objects at a distance during use to avoid accidents.
- The device should only be opened by a qualified electrician. To avoid electric shock, you should be qualified to open the device.
- Should the red and green lights not shine separately for a while, something seems to be malfunctioning. Stop the work and turn off the device.
- In the event of a malfunction or defect, contact a qualified technician or electrician. Never open the device yourself.
- The device is pre-set to the appropriate temperature. Please do not reset the default settings so that functionality and work performance continue to exist.
- This product can be used on thermoplastic pipes, e.g., type 20-21 pipes. The device has various features such as precise temperature regulation, safe and tack-free plastic, and ease of use.

Technical specifications

Voltage (V)	230
Frequency (Hz)	50
Power consumption (W)	2000
Temperature range (°C)	50–300
Leakage current (mA)	5
Weight (kg)	5.66
Size of heating mandrels (mm)	16, 20, 25, 32, 40, 50, 63



Commissioning

Connecting

Connect the welder to the heating element. Make sure that the heating mandrel is firmly tightened, otherwise an irregular heat transfer can occur. Prepare the pipe ends before welding. The joint surface of the pipe must be worked on according to the pipe manufacturer's instructions.

Turning on the power

Turn on the power and make sure that the green lamp is on. The red lamp then starts to light up and indicates that the heating process has started. When the welding temperature is reached, the red lamp goes out and the green one starts to light up again. The device is now ready for use.

Welding pipes

- Quickly and axially push the pipe and fitting onto the heating mandrel and the socket attached to the heating element. Fix them during the warm-up time.
- After the warm-up time has elapsed, suddenly separate the pipe and fitting from the heating mandrel and socket and push them immediately, without twisting them, up to the mark. Insert both to the required depth until the flange is visible on the joint.
- Hold the compressed connection fixed and allow it to cool.

Disposal regulations

EU guidelines regarding the disposal of scrap electric appliances (WEEE, 2012/19/EU) were implemented in the law related to electrical and electronic equipment and appliances.

All WiITec electric devices that fall under the WEEE regulations are labelled with the crossed-out wheeled waste bin logo. This logo indicates that this electric equipment must not be disposed with the domestic waste.

The company WiITec Technik GmbH has been registered in the German registry EAR under the WEEE-registration number DE45283704.

Disposal of used electrical and electronic appliances (intended for use in the countries of the European Union and other European countries with a separate collection system for these appliances).

The logo on the article or on its packaging points out that this article must not be treated as normal household waste but must be disposed to a recycling collection point for electronic and electrical waste equipment. By contributing to the correct disposal of this article you protect the environment and the health of your fellow men. Environment and health are threatened by inappropriate disposal.



Material recycling helps reduce the consumption of raw materials.

Additional information on recycling this article can be provided by your local community, municipal waste disposal facilities, or the store where you purchased the article.

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