



说明书材质要求: 105g 有光铜版纸	说明书成品尺寸: 105*143mm
第一: 专色用6级防晒油墨+CMYK油墨要求: 1. PANTONE137C专色油墨 (专色用6级防晒油墨): 如果自己配色, 油墨配比为: 酒联中黄 (防晒) 2000g 酒联金红 (防晒) 225g 2. C色油墨: 酒联天蓝墨 3. M色油墨: 酒联金红墨 4. Y色油墨: pantone123C专色油墨 5. K色油墨: 酒联黑墨	第二: 特别注意: 1. 印刷时看样请参考我司提供的实物样品颜色。不得偏色 2. 137C的专色 不得 参考C=0, M=35, Y=90, K=0对应的四色 色谱颜色来看样印刷 Pantone 137C Black (两色印刷)
折叠方式: 风琴折 (20P以下 用风琴折)	备注:

特别注意: 此页内容不印刷

风琴折 + 对折 页面顺序

16P 页面顺序

9	10	11	封面
12	13	14	封底

1	2	3	4
5	6	7	8

20P 页面顺序

11	12	13	14	封面
15	16	17	18	封底

1	2	3	4	5
6	7	8	9	10

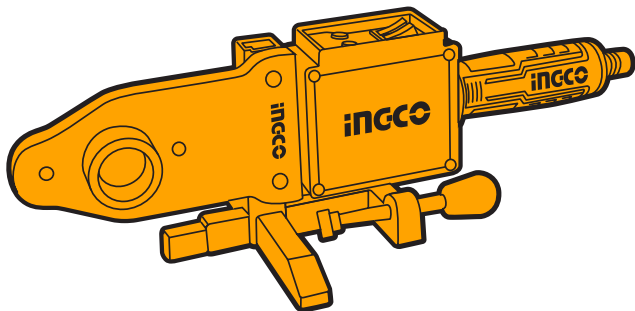
更改记录	1. 更新封面封底线稿 2. 增加专业款标记			1. 更新颜色 2. 参数页220V~240V~ 50Hz 改为220V~240V~ 50Hz/60HZ			1. 去掉CE		
	0324.V08	2024.3.2	CXY	0725.V09	2025.07.25	yilia	0426.V10	2026.4.20	Cici
	版本号	日期	设计师	版本号	日期	设计师	版本号	日期	设计师

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PRODUCT MANUAL

PLASTIC TUBE WELDING TOOLS



PTWT215002 PTWT215002xy
x(blank,1,2,3,4,5,6,7,8,9,E,S,A,M)
y(blank,-1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)



SCAN FOR VIDEO

GENERAL POWER TOOL SAFETY WARNINGS

⚠ WARNING: Read all safety warnings, instructions, illustrations and specifications provided with this power tool. *Failure to follow all instructions listed below 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.

1) Work area safety

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

2) Electrical safety

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

- a) **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.*
- b) **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.*
- c) **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.*
- d) **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.*
- e) **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*
- g) **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.*
- h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*

4) Power tool use and care

- a) **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.*
- b) **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.*
- c) **Disconnect the plug from the power source and/or remove the battery**

pack, if detachable, 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.*

- d) **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.***
- e) **Maintain power tools and accessories. 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.***
- f) **Keep cutting tools sharp and clean. *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.***
- g) **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.***
- h) **Keep handles and grasping surfaces dry, clean and free from oil and grease. *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.***

5) Battery tool use and care

- a) **Recharge only with the charger specified by the manufacturer. *A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.***
- b) **Use power tools only with specifically designated battery packs. *Use of any other battery packs may create a risk of injury and fire.***
- c) **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. *Shorting the battery terminals together may cause burns or a fire.***
- d) **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. *Liquid ejected from the battery may cause irritation or burns.***

- e) **Do not use a battery pack or tool that is damaged or modified.** *Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.*
- f) **Do not expose a battery pack or tool to fire or excessive temperature.** *Exposure to fire or temperature above 130 °C may cause explosion.*
- g) **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** *Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.*

6) Service

- a) **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.*

THE SYMBOLS IN INSTRUCTION MANUAL

	Read the instruction manual before using.
	CE conformity.
	Safety alert. Please only use the accessories supported by the manufacturer.
	Wear safety glasses, hearing protection and dust mask.
	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.

ADDITIONAL SAFETY WARNING

Additional safety warnings

1. Always wear ear protection, if the noise pressure level at the place of work exceeds 85dB.
2. Wear protective glasses or goggles.
3. Your plastic tube welding tools is a high- speed, fast cutting power tool.
4. The electrical connection and cutting tools are potential sources of danger. Therefore, special safety precautions must be observed to reduce the risk of personal injury.
5. Never allow children or people unfamiliar with these instructions to use the plastic tube welding tools.
6. The operator or user of this plastic tube welding tools is responsible for accidents or hazards occurring to other people or their property.
7. Keep children and bystanders away. Never use the plastic tube welding tools while people near here.
8. Always wear substantial footwear and long trousers.
9. Do not operate this plastic tube welding tools when barefoot or wearing open sandals.
10. Never use the plastic tube welding tools with a damaged guard or with- out the guard in place.
11. Never work with a plastic tube welding tools while under the influence of alcohol or drugs.
12. Never attempt to modify your plastic tube welding tools in any way since it may increase the risk of personal injury. Do not use wire or metal rein- forced line. This excludes all liability for personal injury or damaged to property caused by use or impermissible modification.
13. Do not run with the Plastic tube welding tools.
14. Only use your Plastic tube welding tools for, never for other purposes.
15. Only use the Plastic tube welding tools in daylight or good artificial light.
16. We recommend, using a Residual Current Device (RCD) with a tripping current of not more than 30mA.

RESIDUAL RISKS

Even when the power tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the power tool's construction and design:

- a) Health defects resulting from vibration emission if the power tool is being used over longer period of time or not adequately managed and properly maintained.
- b) Injuries and damage to property to due to broken accessories that are suddenly dashed.

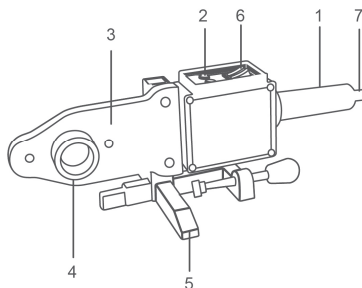
WARNING!

This power tool produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their physician and the medical implant manufacturer before operating this power tool.

INTENDED USE

The machine is used for the connecting of plastic pipe, such as PPR and PE. The machine controls temperature exactly, easy and safe to use.

SPECIFICATIONS



- | | |
|------------------|---------------------|
| 1. Handle | 5. Supporting board |
| 2. Indicator | 6. Switch |
| 3. Heating board | 7. Cable |
| 4. Matrix | |

Technical specifications

Model No.	PTWT215002 PTWT215002xy
Power	800W/1500W
Voltage, Frequency	220V-240V~ 50/60Hz
Temperature rising time	< 15min
Surface temperature of matrix	0°C-300°C

Model No. Note: x (blank, 1,2,3,4,5,6,7,8,9,E,S,A,M); y (blank, -1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)

- Due to our continuing program of research and development, the specifications herein are subject to change without notice.

OPERATION

1. Place the machine on the supporting board well. Install corresponding matrixes according to specifications needed. Tight matrixes with wrench smaller sizes in front generally.
2. Turn on power. Green indicator shows the machine is heating, red indicator shows the machine has stopped heating and it is time for work.

NOTE: Power supply must be earthed

3. Cut the pipe. Push the pipe or fitting into matrix for some time (see the table) pull them out rapidly and then insert. Not screw to the depth need- ed steadily.

Specification (mm)	Heating time (S)	Melting depth (mm)	Cooling time (min)
20	5	14	3
25	7	16	3
32	8	20	4

NOTE: If it is under 5°C ,50% more heating time is needed

NOTE!

1. Please check the outer cover
2. and cables of the machine first.
3. Don t use it if it is damaged.
4. The power supply must be earthed.
5. Water & various of kinds of liquid is prevented from entering the machine. It is prohibited to us outside on rainy days.
6. Keep tinder far away.
7. Operators are strongly suggested to wear gloves when working.
8. For the safety and good performance of the device, only professionals are all owed to open the machine or adjust temperature.
9. If indicators don 't change for long, it means the device is in in normal working state. Stop your work and turn off the power im- mediately.
10. Turn the machine to manufacturer of professionals for repair when.it is out of work.

Maintenance and cleaning

Make sure that the machine is not live when carrying out maintenance work on the

motor.

- The anti-adhesive coating on the heating element must be cleaned with nonadherent paper or a non-fraying cloth and spirit or industrial alcohol before each welding process. Any remnants of plastic adhering to the heating element must be cleaned off in the same way. In this process, take care to ensure that the anti-adhesive coating on the heating element is not damaged by tools.
- The machine requires no additional lubrication.
- Should a fault occur, e.g., after wear of a part, please contact your local dealer.

MAINTENANCE&MALFUNCTIONS

Possible malfunctions and methods of their eliminations

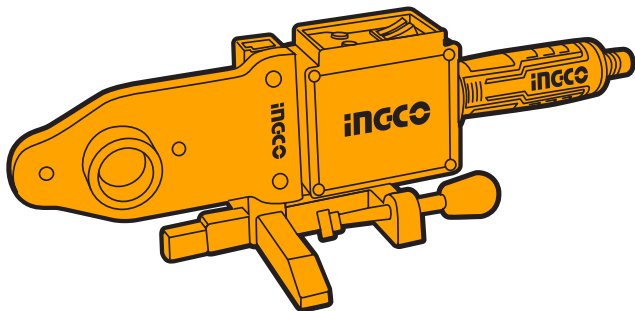
Malfunction	Probable causes	Actions
When the machine is turned on, the electric motor does not work.	• Switch failure • The power cord or wiring is broken, power cord plug malfunction; • No brush contact with the collector; • Wear/damage of brushes	Disconnect the machine from the mains and contact a qualified specialist.
Formation of a circular fire on the collector	• Brush wear/damage of the brush holder; • Malfunction in the armature coil	Disconnect the machine from the mains and contact a qualified specialist. Please don't repair the machine by your own.
When working, smoke or the smell of burning insulation appears from the ventilation openings.	• Malfunction in the electric motor coil; • Malfunction of the electrical part of the tool.	
Increased noise in the gearbox	• Wear/breakage of gears or bearings	
When the machine is turned on, the spindle does not rotate	• Gearbox failure.	

Critical state criteria

Critical state criteria	Probable causes	Actions
Cracks on the surfaces of bearing and housing parts	Fatigue deformation of metal	Disconnect the machine from the mains and contact a qualified specialist. Please don't repair the machine by your own.
The power cord or plug is damaged	Overload or breakage	
Excessive wear or damage to the motor or reductor mechanism, or a combination of signs	Fatigue deformation of metal	

Critical state criteria

List of critical failures	Actions
Electric motor sparking	It is necessary to contact a qualified specialist
The appearance of extraneous noise	It is necessary to contact a qualified specialist
If the above malfunctions are detected, it is necessary to disconnect the machine from the mains and contact a qualified specialist	



MADE IN CHINA 0426.V10

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