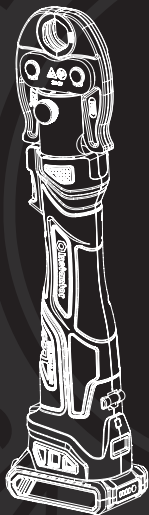




Instantor®

Instruction Manual

Instantor Battery
Powered Press Tool
IT2030



Due to continuing improvements, actual product may differ slightly from the product described herein.

Read this manual carefully before using this product.
Failure to follow the instructions may result in serious injury.

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1. Important Information

Please read this manual carefully before using the product. It contains essential safety warnings and precautions, as well as instructions for assembly, operation, inspection, maintenance, and cleaning.

- Record the month and year of purchase in the space provided.
- Keep both this manual and your purchase receipt in a safe, dry place for future reference.

The following symbols and notices are used throughout this manual and on the product:

Warning Icon	Meaning
	Read and understand the instruction manual and all safety symbols before use.
	Caution
	Please operate carefully to protect fingers and other parts of the body from injury
	Take care not to misuse this press tool or use it in conjunction with worn jaws
	Important Information

2. General Safety Warnings

To ensure safe operation of this tool, read and follow all instructions carefully. Failure to comply with the safety rules in this manual may result in injury and will void the warranty.

2.1 Work area safety

- a. Keep work area clean and clear. Cluttered or dark areas can cause accidents.
- b. Do not operate power tools in explosive environments such as in the presence of flammable liquids, gases, or dust. Power tools can create sparks that may ignite these materials.
- c. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control and result in injury.

2.2 Electrical safety

- a. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use adapter plugs with earthed (grounded) power tools. Using unmodified plugs with matching outlets reduces the 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 increases the risk of electric shock.
- d. Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep the 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. Using the correct type of cord reduces the risk of electric shock.
- f. If operating a power tool in a damp location cannot be avoided, use a residual current device (RCD) protected supply. An RCD reduces the risk of electric shock.

2.3 Personal safety

- a. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use adapter plugs with earthed (grounded) power tools. Using unmodified plugs with matching outlets reduces the risk of electric shock
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- c. Do not expose power tools to rain or wet conditions. Water entering a power tool increases the risk of electric shock.
- d. Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep the 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. Using the correct type of cord reduces the risk of electric shock.
- f. If operating a power tool in a damp location cannot be avoided, use a residual current device (RCD) protected supply. An RCD reduces the risk of electric shock.

2.4 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.

2.5 Battery tool use and care

- a. Recharge only with the charger specified by the manufacturer. A charger suitable for one type of battery pack may create a risk of fire if used with a different battery pack.
- b. Use power tools only with specifically designated battery packs. Using any other battery packs may create a risk of injury or fire.
- c. When the battery pack is not in use, keep it away from metal objects such as paper clips, coins, keys, nails, screws, or other small metal items that could connect the terminals. Shorting the battery terminals may cause burns or a fire.
- d. Under abusive conditions, liquid may be ejected from the battery. Avoid contact. If contact occurs, flush the area with water. If the liquid contacts the eyes, seek medical attention. Battery liquid may cause irritation or burns.
- e. Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries may behave unpredictably, resulting in fire, explosion, or injury.
- f. Do not expose a battery pack or tool to fire or excessive temperatures. Exposure to fire or temperatures above 130°C may cause an explosion.
- g. Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Improper charging or charging at temperatures outside the recommended range may damage the battery and increase the risk of fire.

2.6 Service

- a. Have your power tool serviced by a qualified repair person using only identical replacement parts. This ensures that the safety of the power tool is maintained.
- b. Never service damaged battery packs yourself. Battery pack service should only be performed by the manufacturer or an authorized service provider.

3.Tool Specific Safety Rules

3.1 Tool Handling Precautions

- a. Maintain labels and nameplates on the tool that carry important safety information. If they are illegible or missing, contact the agent for replacement.
- b. Do not put your fingers into the head of the tool during operation. Fingers could be severely pinched.
- c. Make sure the head is locked firmly during operation.
- d. Do not strike any parts of the tool, as this could cause injury.
- e. The limit screw on the head is designed to prevent the head from dropping or popping out.
- f. Make sure the head is locked firmly during operation.
- g. Do not use this tool continuously. After 30 to 40 cycles, allow the tool to cool for 15 minutes.
- h. Do not secure this tool in a vice. It is designed for hand-held operation only.
- i. The built-in safety valve is pressure-tested before shipping. Do not adjust the pressure yourself. If the pressure is insufficient, return the tool to the service center. The tool should only be reused after inspection and testing by a qualified person.
- j. The warnings, precautions, and instructions in this manual cannot cover all possible situations. The operator must use common sense and exercise caution, as these factors cannot be built into the tool.

4. Understanding your tool

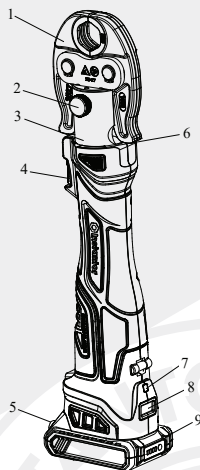
IT2030 tool is used for connecting stainless steel pipe, copper pipe, MLCP & PEX with suitable press fittings (Instantor Press, Copper Press & Stainless Steel Press Fittings) It is powered by a Li-ion battery, actuated by a brushless motor, and controlled by an MCU.

Refer to the table below for device specifications and scope of supply.

4.1 Specification

Model	IT2030
Rated pressure:	19kN
Stroke	30mm
Pressing range:	Thin-wall Copper pipe: 12-35mm (½"-1")
	Thin-wall stainless steel pipe: 12-28mm (½"-1")
	MLCP, Multilayer Composite Pipe (Pex-Al-Pex): 16-32mm (½"-4")
Service interval	Yearly or after 20,000 cycles
Ambient temperature	-10~40°C
Voltage of battery:	DC 18V,4.0Ah
Charging voltage:	AC 100V~240V ;50~60Hz
Charging time:	Approximately 40mins
Weight:	2.4kgs (with battery)
	3.7kgs (with battery with jaw)
Size of tool:	400 x 119 x 76mm
Accessories:	
Battery:	2 pcs
Charger:	1 pc
Jaws:	1 set VI Profile Jaws or M Profile Jaws or TH Profile Jaws
Carry Strap:	1pc

4.2 Description of components



Parts No.	Description	Function
1	Jaw	For pressing, interchangeable jaw
2	Pin	For locking/removing the jaw
3	Serial No	Serial number location
4	Trigger	For starting pressing operation
5	Battery lock	For locking/unlocking battery
6	LED ring light	For illumination
7	LED indicator (red+green)	For showing tool status, warning
8	OLED display	Showing press count and operating information
9	Battery	For supplying power, rechargeable Li-ion (18V)

4.3 Function description



Microcomputer Control System – Automatically detects pressure during operation.



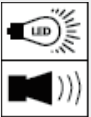
OLED Display – Dot-matrix OLED shows press count, battery level, working pressure (if equipped with a pressure sensor), maintenance reminders, and fault codes.



Auto Reset – Releases pressure automatically and retracts the piston to the starting position when maximum output is reached.



Rotatable Head – The head can be smoothly rotated 180° for better access to tight corners and other difficult working areas.



Error and Low Battery Alerts – If a pressing error occurs or battery charge is low, an acoustic signal sounds and the red indicator light turns on (see Table 1).



Work Illumination – Provides light for safe operation in dark areas. The light automatically turns off after 60 seconds.
























Ergonomic Design – Compact overall structure with a non-slip rubber grip and optimized center of gravity for easier operation.



Temperature Sensor – Alerts when the tool temperature exceeds 60°C. A fault signal sounds, and the tool should be allowed to cool before further use.

4.4 Signal instruction and meaning (Table 1)

Series No	Instruction	White LED	Red/Green		OLED display	What it means
1	Finish Pressing		Light on 5s (green)			Place into the pressing jaw, the tool can work normally
2	Illumination	 60s				The tool is on standby and automatically shuts down after 60s
3	Charging reminder		 Continued flash (red)	 Buzzing 3 times	 The battery icon flash	Battery power low, charging required. Limited pressing operations remaining with current charge level.
			 Lasting 3s (red)	 3s		Battery empty. Insufficient power for pressing operations.
4	Hall line is not connected		 Light on (red)			Position sensor disconnected
5	Motor malfunction		 Quick flash 5s (red)			Motor wire is not connected, short circuit etc. Check the motor wire
6	Abnormal press		 Quick flash 5s (red)			Because of releasing trigger in advance during pressing or not reaching rated pressure, please check if the jaw is fixed in place
7	High temperature warning		 Slow flash 4 times (red)	 2Hz		Motor surface temperature is too high, waiting for cooling to restart the tool
8	Maintenance reminding		 Alternating (red+green)			Wrench icon flash, tools must be maintained

5. Operating Instructions

Read the entire safety information section at the beginning of this manual, including all subheadings, before using this product. Use this tool only for the manufacturer's intended purposes. Using it for any other purpose may result in injury or property damage.

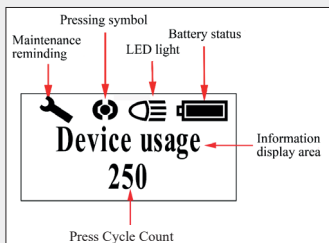


WARNING

- Do not hammer or impact any part of the tool. Before operation, inspect the tool for damage, aging, missing parts, misalignment, component jamming, or any other conditions that may compromise safety or normal operation.
- During the crimping process, ensure the jaw fixing pin is fully inserted into the clamp head to lock it and prevent the pin from slipping out.
- When pressing, the O-ring of the pipe fitting must be properly seated in the ring groove of the jaws. Improper placement may crush the O-ring and cause water leakage.
- The limit screw on the clamp head prevents the clamp head from falling off or popping out. Do not attempt to remove it.
- Remove any grease or dust from the handle and control components to prevent the tool from slipping during use.
- Do not let the tool or jaws hang directly on the pipe fittings. A falling tool can cause accidents and injury.

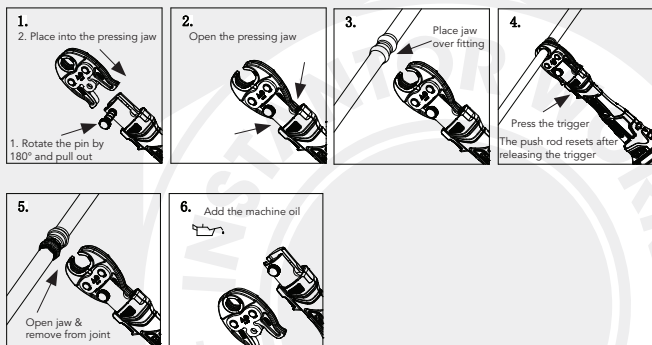
Do not place any part of your body, including fingers, into the working jaws while the tool piston is extending.

5.1 OLED display interface description



5.2 Changing the jaws and completing pressing operations

1. Push and rotate the jaw retaining pin anti clockwise. The retaining pin spring will force the pin outwards. Insert the jaw into the press tool, push the pin inwards to lock it into position.
2. Manually open the jaws and move them into position around the pipe fitting to be pressed.
3. Place the jaw over the fitting and close the fitting, ensuring it is seated correctly.
4. Press and hold the trigger to commence the pressing operation. The piston will extend to close the jaws around the fitting and automatically return to its starting position.
5. Manually open the jaws to remove the tool from the pressed fitting.
6. Add machine oil as required to reduce friction and maintain smooth operation.



5.3 Jaw Safety Information



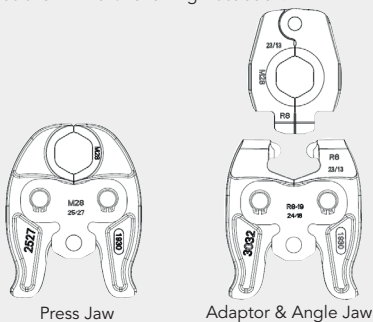
CAUTION

Pressing tools, pressing jaws, adapters, or ring jaws must only be used with the corresponding piping systems and fittings. Using alternative jaws or modified accessories can damage the tool and accessories and may result in personal injury.

NOTICE

- The jaw is a consumable part. After extended use, the material may fatigue and cracks may occur. Heavily worn jaws are prone to breakage, especially if used improperly, such as with oversized fittings or skewed presses.
- Inspect the jaw for breakage, cracks, component jams, or any other conditions that could compromise safety or normal operation. Perform this inspection periodically or before each use. If any issues are found, stop using the tool immediately and return it to the retailer for professional repair or servicing.
- Stop using the tool and consult your retailer for repair or service if any of the following occur during operation:
 - The jaw arm is cracked or deformed
 - The jaw is cracked, scratched, sunken, or severely worn
 - The die is cracked or severely worn
- Do not place any part of your body, including fingers, into the jaw ring during use.

The tool can be used with press jaws and angled jaws with a rotating adapter jaw, as shown in the following illustration.



5.4 Press Fitting Safety

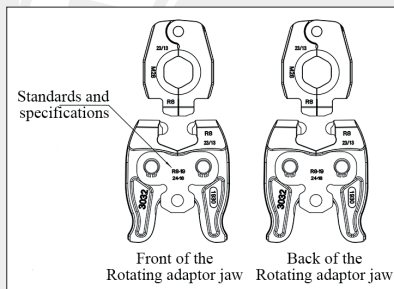
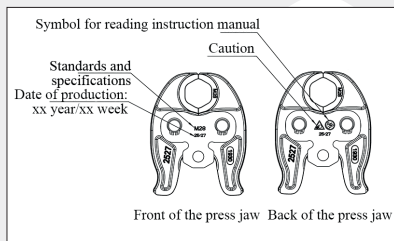


CAUTION

Improper operation can lead to leaks at the Press Fitting

- Ensure that the press fitting specifications match the jaw being used.
- Confirm that the jaw has fully closed after pressing is completed.
- When pressing, make sure the jaw and pressing tool are properly positioned on the fitting flange.
- If the jaw does not fully close during pressing, contact your retailer to arrange service or repair.
- If the jaw connection is incorrectly pressed, replace the jaw with a new one and do not continue using it.
- If a significant burr is present on the pipe joint after pressing, contact your retailer for inspection, service, and repair.

5.5 Symbols & Codes on Jaws



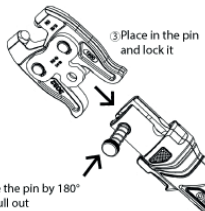
5.6 Instructions for Angled Jaws

1.

② Place into the pressing jaw

③ Place in the pin and lock it

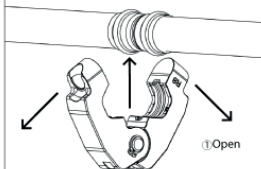
① Rotate the pin by 180° and pull out



2.

② Place into the pipe

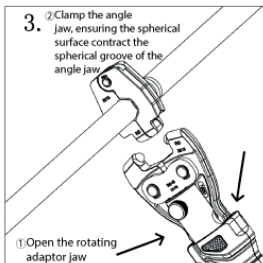
① Open



3.

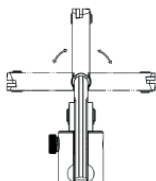
② Clamp the angle jaw, ensuring the spherical surface contract the spherical groove of the angle jaw

① Open the rotating adaptor jaw



4.

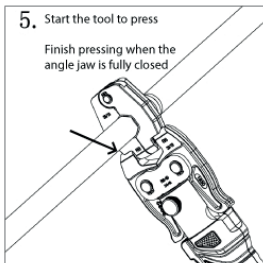
Swiveling 180-degree-flexibility



5.

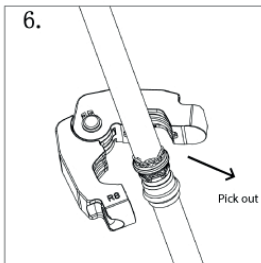
Start the tool to press

Finish pressing when the angle jaw is fully closed



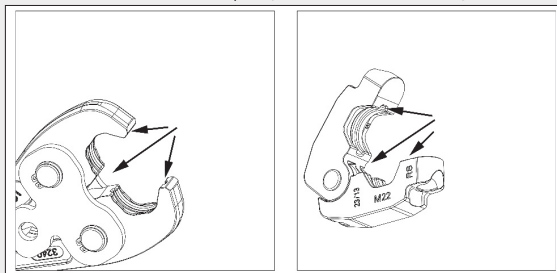
6.

Pick out



5.7 Jaw cleaning and maintenance

- Periodically clean accumulated residue from the pressing jaws. Use a scouring pad or steel wool, but do not use harsh abrasives such as sandpaper or files, as these can accelerate wear on the jaw edges.
- After each pressing cycle, remove dust and debris from the jaws, especially in the gap at the bottom. Apply lubricant to the jaw surfaces, particularly the pins and moving parts.
- Do not hammer or strike the jaws in any way.
- Check the jaw return spring before each use. The jaw should open and close easily with a single finger.
- It is recommended to inspect jaw wear at least once a year.

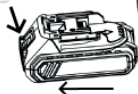


5.8 Charging

Follow the steps below to remove the battery and charge it using the supplied charger. Ensure the room temperature is between 10°C and 40°C. Charging time is approximately 80 minutes. For detailed charging instructions, refer to the charger manual.

1.

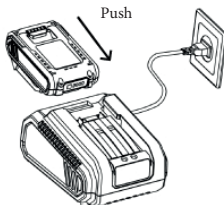
① Push Lock



② Remove battery

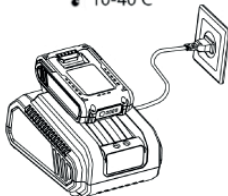
2.

Push



3.

10-40°C



4.

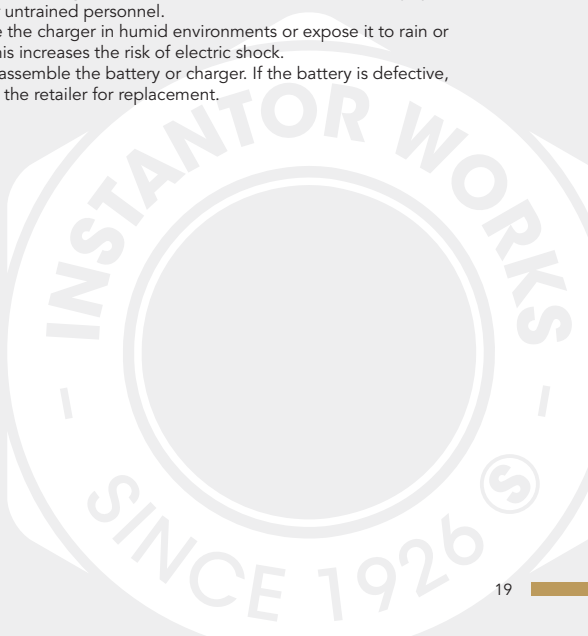
① Push lock



② Insert Battery

5.9 Battery Care Information

- a. The battery can be cycled hundreds of times. A gradual drop in capacity is normal after extensive use. When this occurs, contact your retailer to obtain a replacement battery.
- b. As with all Li-ion batteries, fully discharging and leaving them at a low state of charge can damage the battery. It is recommended to recharge the battery once the low battery warning appears on the device.
- c. Do not connect the two battery terminals with a wire, as this can cause electric arcing or even fire.
- d. Do not use a damaged battery. This increases the risk of abnormal operation or electric shock.
- e. Never burn batteries, as they may explode.
- f. When charging the battery, do not cover the charger or obstruct ventilation, as this may cause overheating.
- g. Disconnect the charger when not in use to reduce the risk of injury to children or untrained personnel.
- h. Do not use the charger in humid environments or expose it to rain or snow, as this increases the risk of electric shock.
- i. Do not disassemble the battery or charger. If the battery is defective, return it to the retailer for replacement.



6. Maintenance and servicing



Damaged equipment can cause serious personal injury. Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use. Do not disassemble mechanical parts of the tool (gearbox, screw rod set, etc.), as this will void the warranty.

- Routine maintenance and inspections can extend the life of your tool. Before each use, inspect the tool's general condition. Check for loose screws, misalignment or binding of moving parts, cracked or broken components, or any other condition that may affect safe operation. After use, clean external surfaces with a clean, damp cloth, apply rust-preventive oil to metal surfaces and dies, and store the tool in a dry environment.
- Keep the tool and spare parts dry. If the tool becomes wet, remove the battery and wait until it is completely dry before reinstalling the battery.
- Do not expose the tool to extremely hot or cold environments, as this may cause damage.
- Do not clean the tool with aggressive chemical cleaners or strong detergents.
- If the tool will not be used for an extended period, ensure the push rod is in its starting position, clean the tool, apply rust-preventive oil to the tool and accessories, remove the battery, and store the tool in a dry place.
- Tool servicing should only be performed by a qualified service technician.

6. Warranty

Instantor provides the full statutory warranty of 24 months for its press tools. The warranty period commences on the date of delivery, which must be proven by means of the sales documentation. The warranty will only remain valid if the press tool has been serviced and calibrated according to the service and calibration schedule.

Within the warranty period, the warranty covers the repair of any damage or malfunction of press tools that is attributable to material or production faults. The warranty covers the press tool itself and does not cover accessories such as batteries, chargers and press jaws.

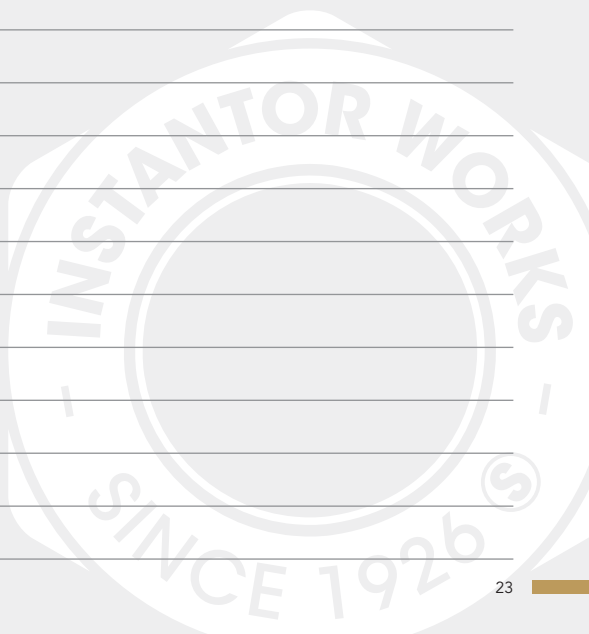
The following damages are not covered by the warranty:

- Damage caused by improper use or inadequate servicing.
- Damage caused by the use of products not approved by Instantor for use with its tools.
- Damage caused by pressing unsuitable pipes or fittings.

Warranty work and parts provided in response to warranty claims do not have to be paid for. However, all shipping costs shall be borne by the user. Claims can only be accepted if the device is delivered to the Instantor Service Centre in an assembled state. Repair or replacement of the device under warranty does not result in an extension of the warranty period. Repair or replacement can only be performed using as-new components, the function of which corresponds to that of the old components. All parts that are faulty and consequently replaced are the property of the manufacturer.

Additional 1-year Extended Warranty for New Press Tools

Instantor provides an extended warranty of one year for all new press tools, that have been serviced and calibrated after the first year of ownership or after the recommended maintenance cycle count.





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for **Professional Plumbers**
Since 1926

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