

Ultrasonic Dot-line Sealer L-QP-01

User Manual

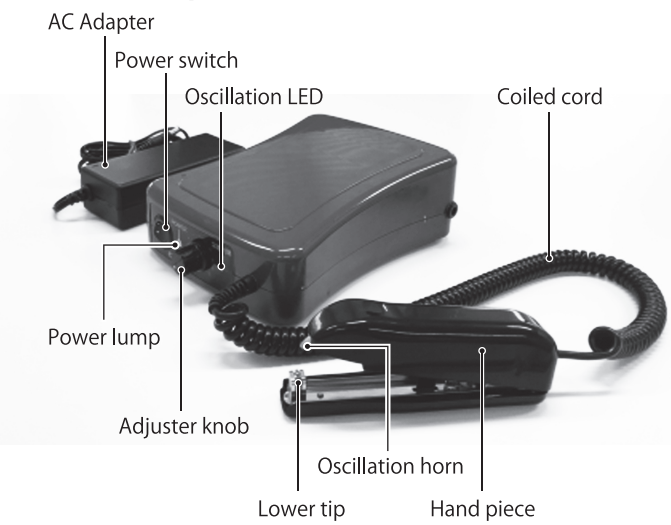
Thank you for purchasing this product.
Read this User's Manual before using this product,
and make sure to use the product correctly.
Misuse may result in malfunction or unexpected
accidents or hazards.

Save These Instructions.

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1. Names of parts



2. Safety Precautions Important Safeguards

▼ Items shown here are categorized as ⚠ Warning or ⚠ Caution.

This indicates death or serious injury may result if this label is not heeded and the product is used improperly.

This indicates that injury or property damage may result if this label is not heeded and the product is used improperly.

■ The following classifications indicate what could happen if you ignore indications and use incorrectly.

⚠ Warning

- ⚠ Avoid contact with water, which can result in a short or electric shock.
- ⚠ Only a certified repairman should perform any dismantling, repairs or modifications. Fire or abnormal operation may result in injury.
- ⚠ Close supervision is necessary when any appliance is used near children. Children should not operate. Always unplug the appliance from the outlet for repair.

- ⚠ Do not allow foreign objects, such as metal including pins and wires, to enter the gap of the product. Failure to do so may result in electric shock or short.
- ⚠ Do not use the product in the following environment:
 - ※ Places that becomes hot due to exposure to direct sunlight,
 - ※ Places where dust, dirt or corrosive gas may be generated,
 - ※ Places where vibration or impact frequently occurs,
 - ※ Wet or high humidity places.
 This may lead to a failure or a serious accident, such as an electric shock.
- ⚠ Never remove the connection terminal and output cord on the handpiece side. Failure to do so may result in electric shock, short or fire.
- ⚠ Do not connect the output cord to any other device, such as a telephone or personal computer. This may lead to a failure or a serious accident.
- ⚠ Do not touch the power plug with wet hands. This may result in burn or shock.

⚠ Caution

- ⚠ Do not give a strong impact, such as dropping the main unit or handpiece.
- ⚠ Do not place heavy objects on the power cord, apply excessive force, deform or bundle it. Damaging the power cord may cause electric shock or fire.
- ⚠ Grasp plug to remove the cord from the receptacle outlet. Failure to do so may result in cord damage, electric shock, short or fire.
- ⚠ Turn off the power switch immediately after use or when any abnormality, such as an abnormal smell or smoke is detected. Otherwise, this may cause an accident.
- ⚠ Disconnect the plug from the outlet when attaching, removing or maintaining the welding element. Otherwise, this may cause injuries.
- ⚠ Do not attempt to carry the main unit only by holding the power cord. Otherwise, this may cause a failure or an accident.
- ⚠ Do not use an unstable outlet or a damaged cord or plug. Failure to do so may result in electric shock, short or fire.
- ⚠ Do not unplug the power cord while the product is in use. The product does not work when the power cord is not properly plugged in or falls off. This may also cause malfunction.
- ⚠ Do not touch the horn during oscillation or immediately after use. Otherwise, this may cause injuries, including burns.
- ⚠ Do not use this product for any other purpose than for welding or sealing.
- ⚠ Do not frequently remove the connection terminal and output cord on the main unit side. Otherwise, this may cause damage to the terminal and connection part.
- ⚠ Do not grip the handpiece too tightly. Gripping it too tightly may cause poor welding or failure. Welding is performed with use of friction heat generated by ultrasonic vibration. Unlike heat welding, the welding can be achieved only by gripping the handpiece lightly.

⚠ Additional Safety Instructions

- ⚠ Do not operate the handpiece without work. The tip (welding element) and horn will wear out more quickly.
- ⚠ Do not use strong solvents such as benzene or thinner when cleaning. This may deform, discolor or damage the plastic.
- ⚠ The main unit and the handpiece are adjusted in the connected state. Do not replace them with the ones of a different unit. Doing so may cause poor welding or failure.

3. Operating Instruction

- 1 Plug the AC adapter plug into the outlet and insert the power jack into the main unit.
Make sure the AC adapter LED lights up.
 - 2 Turn ON the power switch of the main unit.
Make sure the LED next to the switch lights up.
 - 3 Turn the timer knob to adjust the welding time.
 - 4 Hold the handpiece and put the welding part of the package between the tip and horn at the end of the handpiece. It is acceptable if the welding part is placed a little diagonally.
 - 5 Grip the handpiece lightly. (Not necessary to grip it with full force). When gripping the handpiece, apply force from above in the vertical direction. The oscillation LED lights up in green.
 - 6 Slide the handpiece horizontally while gripping it. Ultrasound is generated while the oscillation LED is lit. If the LED goes out during operation, set the timer longer or grip the handpiece again to repeat the process.
- ※ Welding strength depends on the type, thickness and material of the package.

4. Replacement of the tip

- 1 Before operating the appliance unplug the power cord from the outlet.
 - 2 Unscrew the screw on the back of the tip (welding element) mounting part of the handpiece with a Phillips screwdriver and remove the tip.
 - 3 Align the replacing screw over the screw hole on the handpiece and tighten the screw with a Phillips screwdriver. Attach the tip straight. Grip the handpiece after the tip is attached and make sure the horn and tip are engaged properly.
- ! Attach the tip straight. Grip the handpiece after the tip is attached and make sure the horn and tip are engaged properly.
- ! Make sure the screw is tightened securely. Loose screw may cause improper engagement, resulting in poor welding.

5. Care

- ! Clean the teeth every day after turning off the switch and unplugging the unit.
- ! Any foreign material attached to the end of the handpiece may cause oscillation failure, resulting in poor welding.
- ◆ How to clean the device
Wipe the horn (metal part at the end of the handpiece) and tip, etc. using a damp cloth with alcohol, cotton swabs and brushes.
- ! Never immerse the main unit and handpiece in water.

6. Malfunctions and causes / Problem solving

Problem	Check point	Procedure
The unit does not operate.	Make sure the power cord is correctly plugged into the electrical outlet.	Connect the power plug and adapter correctly.
	Are the main unit and adapter connected?	
	Are the adapter and power cable connected?	
	Is the adapter LED ON?	
Oscillations are not generated even when gripping the handpiece	Is the power switch ON?	Turn ON the power switch.
	Is the cable disconnected?	Request a repair.
Cannot weld.	Is the welding timer set too short?	Set the welding timer longer.
	Is the tip damaged?	Replace the tip.
	Is the end of the horn vibrating?	Request a repair.

The handpiece becomes hot.	Is the timer set to maximum to keep the handpiece working continuously?	Turn OFF the power and wait until the handpiece cools down. Then, start using the handpiece again.
	The timer control is not working.	Stop using the handpiece and request a repair.

7. Specifications

Product name	Dot-line Sealer
Model	L-QP-01

Main unit

Oscillation frequency	57kHz
Output	20W
Power consumption	40VA
Power Source	100V~240V AC 50/60Hz
Main unit	W140×D183×H66mm / 1000g
Hand piece	W28×D128×H54mm / 200g
Length of coiled cord	50cm

AC adapter

Input	100V~240V AC 50/60Hz
Output	D15V 3.3A
Dimensions	W62×D97×H33mm
Weight	350 g
Power cord length	AC side 1.8m/DC side 1.5m

※ Specifications and appearance are subject to change without notice for improvement.

Warranty	
Warranty period :	
Model No. :	
Manufacturing No. : (Serial No.)	
Name :	
Address :	
TEL :	
Store of purchase :	
Date of purchase	
*Fill in the required information and keep in a safe place.	
1. We guarantee quality only for use under normal conditions during the warranty period. If your product has a malfunction or defect, we will repair it at no charge using our prescribed methods. Bring the product along with the warranty to the store where you purchased the product.	
2. In the following cases, we will charge a fee for repair even during the warranty period.	
(1) If no warranty is shown	
(2) If the required information is not filled in or is rewritten	
(3) If the malfunction was caused by misuse	
(4) If the malfunction was caused by transportation, shipment or movement by the customer	
(5) Malfunction and damage caused by moisture, pollution, abnormal voltage, or other outside factor	
3. If it is determined that the customer independently altered or repaired the product, it will not be accepted for repair during the warranty period.	
4. Repairs and replacements of supplies (welding wires, PTFT strips) that are consumed or deteriorate will incur a charge even during the warranty period.	
5. The company will not be liable for direct or indirect damage caused by malfunction or use of the product.	
6. Expenses for sending or bringing the product for repair are the responsibility of the customer.	
7. Keep the warranty in a safe place. Warranties will not be reissued.	

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