

LOTOS LTP5500D

LOTOS Supreme LTP5500D Plasma Cutter User Manual

Model: LTP5500D | Brand: LOTOS

1. INTRODUCTION

The LOTOS Supreme LTP5500D is a state-of-the-art non-touch pilot arc digital plasma cutter designed for both home DIY enthusiasts and light-duty small business projects. This powerful and portable unit offers dual voltage capability (110V/220V) and is engineered for precise and efficient metal cutting. Its non-HF (Non-High Frequency) blowback start ensures minimal interference, making it a reliable choice for various applications.



Figure 1: LOTOS Supreme LTP5500D Plasma Cutter with included accessories.

2. SAFETY INFORMATION

Always prioritize safety when operating the plasma cutter. Read and understand all warnings and instructions before use. Ensure proper ventilation, wear appropriate personal protective equipment (PPE) including welding helmet, gloves, and protective clothing. Do not operate in wet conditions. Disconnect power before performing any maintenance or changing consumables.



Figure 2: Important safety warnings are displayed on the unit. Always adhere to these guidelines.

3. WHAT'S IN THE BOX

Your LOTOS Supreme LTP5500D package includes the following components:

- Plasma Cutter Power Supply Unit
- Blowback Non-HF Start Cutting Torch
- Ground Clamp
- Consumables (initial set)
- Pre-installed NPT 1/4">

Figure 7: Only use specified compatible consumables for your LTP5500D.

6.2 Air Filter Regulator

Periodically check and drain any accumulated moisture from the air filter regulator to ensure a clean and dry air supply to the plasma cutter. A clean air supply is crucial for arc stability and consumable life.

7. TROUBLESHOOTING

If you encounter issues with your LTP5500D, consider the following common troubleshooting steps:

- **No Arc:** Check power connection, air pressure (ensure 70 PSI), and ensure consumables are correctly installed and not worn out. Verify the ground clamp has good contact.
- **Poor Cut Quality:** Adjust amperage and air pressure settings. Inspect consumables for wear and replace if necessary. Ensure proper cutting speed.
- **Unit Overheating:** Allow the unit to cool down. Ensure proper ventilation around the machine.

For more detailed troubleshooting or persistent issues, please contact LOTOS Customer Care.

8. SPECIFICATIONS

Feature	Specification
Model Number	LTP5500D
Input Voltage	Automatic Dual Voltage 110~125V or 215~245V
Output Current (DC)	20-55A (220/240V), 20-35A (110/120V)
Clean Cut Capacity (220/240V)	3/4 inch (19mm)
Max Severance Cut (220/240V)	1 inch (25mm)
Air Compressor Requirement	70 PSI @ 4.0SCFM
Product Dimensions	19.69 x 11.81 x 13.78 inches
Product Weight	21.9 Pounds
Manufacturer	Lotos Technology

9. WARRANTY & SUPPORT

LOTOS Technology stands behind its products with comprehensive support:

- **30 Days Refund:** If you are not satisfied, a refund is available within 30 days of purchase.
- **3-Years Limited Warranty:** Includes a 1-Year NEW Replacement Warranty.
- **US-Based Customer Care & Support Team:** For any inquiries or assistance, please contact LOTOS Technology via phone or email. You may also submit the registration form on their official website.

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LTP5500D OWNER'S MANUAL

Carefully read the operation manual prior to using, installing and maintaining the electric welding machine.
The contents of this manual may be revised without prior notice and without obligation.
This instruction manual is based on: 1st Jan 2018, Rev 01
Conforms with EMC Directives:
73/23/EEC and 89/336/EEC
European Standard: EN/IEC 60974



[\[pdf\]](#) User Manual Owner's Manual Instructions Parts List Diagram

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European Standard: EN/IEC 60974



[Lotos LTP5500D Plasma Cutter Owner's Manual](#)

Comprehensive owner's manual for the Lotos LTP5500D plasma cutter, covering safety warnings, specifications, operation, installation, troubleshooting, and maintenance.

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