

Precision Cutting. Maximum Efficiency. Built in Canada.

125 A • 100% Duty Cycle @ 40°C (104°F)

Industrial Performance Without Compromise

The Canaweld Plasma 125 cm is a high-performance industrial plasma cutting system engineered for continuous production environments.

Delivering a full 125 A output at a true 100% duty cycle, it provides the power, reliability, and cutting precision required for demanding fabrication, manufacturing, and automated cutting applications.

Designed for both manual and CNC operation, the Plasma 125 cm combines advanced inverter technology, outstanding cut quality, and user-friendly controls in a compact and portable package.

Why Plasma Cutting

- Faster than oxy-fuel cutting on thin and medium-thickness materials
- No preheating required
- Cuts all electrically conductive metals
- Clean, accurate cuts with minimal slag
- Reduced heat-affected zone and distortion
- Lower operating and maintenance costs
- Ideal for automated and CNC cutting systems

Applications

- Metal Fabrication
- Manufacturing Facilities
- Automotive Production
- HVAC & Ductwork
- Construction Projects
- CNC Plasma Tables
- Maintenance & Repair Operations
- Surface Preparation & Light Gouging



Suitable Cutting Materials

- Carbon Steel (Mild Steel)
- Stainless Steel
- Aluminum
- Galvanized Steel
- Copper
- Brass

Key Features

- **125 A Output at 100% Duty Cycle**
Maximum productivity with continuous full-power operation at 40°C (104°F).
- **CNC Ready**
Designed for seamless integration with automated cutting systems and CNC plasma tables.
- **Advanced Inverter Technology**
Provides exceptional arc stability, energy efficiency, and long-term reliability.
- **Color LCD Display**
Bright, easy-to-read display for fast setup and accurate parameter control.
- **Intuitive User Interface**
Simple operation minimizes setup time and increases productivity.
- **Outstanding Cut Quality**
Produces clean edges with minimal dross, reducing secondary finishing operations.
- **Light Gouging Capability**
Suitable for surface cleaning, weld preparation, and material removal applications.
- **Compact & Portable Design**
Industrial performance in a lightweight package for both workshop and field use.

Intelligent Control System

Built for Productivity

The advanced color LCD control panel provides fast access to all operating functions and cutting parameters.

Features include:

- Real-time cutting current display
- Live system status monitoring
- Quick parameter adjustment
- Fast setup for manual and CNC operation
- Simple and intuitive navigation

Cutting Capacity

- **Maximum Severance Cut**
57 mm (2-1/4 in)
- **Recommended Production Cut**
44 mm (1-3/4 in)
- **Maximum Piercing Capacity**
25 mm (1 in)

Delivers powerful cutting performance across a wide range of industrial applications.

Technical Specifications

- **Input Voltage:** 3 × 575 V ±10%, 60 Hz
- **Output Current:** 20–125 A
- **Duty Cycle:** 100% @ 125 A
- **Cooling Method:** Air Cooled
- **Display:** Color LCD
- **CNC Interface:** Standard
- **Protection Class:** IP23
- **Manual Torch Lead:** 20 ft (6 m)
- **CNC Torch Lead:** 26 ft (8 m)
- **Torch Rating:** 125–160 A

Cutting Speed Data

Cutting speed values are based on carbon steel under ideal operating conditions using dry compressed air, proper consumables, and correct torch height.

Actual results may vary depending on material type, air quality, consumable condition, and operating parameters.

Reliability & Quality Control

Certified to IEC and CSA standards by CSA or QPS and manufactured in Canada. Canadian-built

Extensive testing exceeding international standards, continuously monitored through advanced computerized test systems, under extreme temperature conditions (0°C – 50°C / 32°F – 122°F) and 50% humidity to ensure consistent performance, long-term durability, and uncompromising reliability in the most demanding industrial environments

Backed by Canaweld's industry-leading 4-year warranty, with up to 5-year coverage on select components.

System Compatibility

Compatible with:

- **CNC Plasma Cutting Tables**
- **Manual Plasma Cutting Applications**
- **Industrial Compressed Air Systems**

Recommended Cutting Gas

- **Clean, Dry Compressed Air**
- **Optional:**
Nitrogen (N₂)
For optimum performance, use clean, dry gas and maintain proper torch height.

