PowerPlasma 100S

EVERLAST
IGBT INVERTER TECHNOLOGY
WELDERS·PLASMA CUTTERS·MULTI-PROCESS

Plasma Cutters

Meet the Master of Cuts.

▶ **100 Amps of cutting power makes quick work of cuts up to 1.25"**

▶ **Blow-back type start with Pilot arc re-energizes arc without reset.**

▶ **Adjustable post flow allows user to optimize torch cooling during extended cutting sessions.**

▶ **Available in Single Phase or Three configuration.**

▶ **60% Duty Cycle at 100 Amps; 100% Duty Cycle at 80 Amps.**

▶ **Severance Cut up to 1.625"**

5 YEAR WARRANTY

The max cut at a sensible price.

The best value in plasma cutting.

The PowerPlasma 100S definitely cuts a wide swath through the industry with its performance. With a recommended daily use of 1 1/4" cutting, the PowerPlasma 100S will tackle about any cutting chore in the average shop. Whether it's replacing bucket teeth on construction equipment, or rebuilding a piece of farm equipment, the PowerPlasma 100S has the capability to cut through most anything thrown at it. But the power and performance comes does not come at a high cost. The PowerPlasma 100S comes with a price that is well less than many 40 and 50 Amp plasma cutters on the market. The small size and IGBT inverter design has been field proven and is engineered for long service life with a minimum amount of maintenance. An easy-to-connect "Euro" style central torch adapter along with a DINSE style work clamp connection makes break down and transport quick and easy. If you can get air to the plasma cutter, you can get the unit to where you need it to cut. The relatively small air demand of the torch means that most compressors over 30 gallon and over 6 CFM can supply enough air for light or intermittent cutting.

The perfect choice if you aren't sure.

The biggest problem with buying a plasma cutter is trying to select one that will meet your needs. A lot of people try to select a plasma cutter for the maximum performance. Well, that is like trying to buy a car for how fast it will go. We suggest that you take a look at our recommended daily cut capacities for the best idea of production level performance that you can expect out of our units. We do publish maximum severance and clean cut limits, but we think the daily cut figure takes into what most people would feel to be a satisfactory cut speed and quality for daily use. Sure, it will slice through thicker cuts when you need it to, up to 1 5/8", but cut speed and quality drop below ideal levels. If you aren't clear on how thick you will need to cut, just keep in mind that the PowerPlasma 100S can operate anywhere between 20 and 100 amps. When fitted with the correct consumables, cut quality, kerf and speed can be matched to whatever you are needing to cut. You won't ever regret the extra power when you need it, and you won't be kept from cutting something delicate either.

Specifications

Process: Plasma (A-PAC)
Amps 1 and 3 Phase Model: I1MAX: 82A/52A; I1EFF: 64A /41A
Plasma Torch Type: IPT100 (Innotec) 15 ft.
OCV: 250V
Weight: 58 lbs.
Recommended Daily Cut: 1 1/4"

Output: 20-60A; 88-120V
Input Voltage: 220-240V ±10%
Post Flow: 0-50 Seconds
Fan Type: Full Time, Single Fan
Dimensions: 25"Lx16"Hx10"W
Max Clean Cut: 1 3/8"

Duty Cycle @ Max Amps: 60% @ 100A
Phase: Select from 1 or 3 Phase models
Start Type: Blow-Back with Pilot Arc
Compressor Requirements (Recommended): 8CFM @ 90PSI
Input Cable Length: 6'
Max Severance Cut: 1 5/8"

1. Torch and Arc Function Selector Switches: 2T/4T Torch trigger operation (latch on/off), Pilot Arc Function (Tip Saver or Normal operation), Air test (Setup cutting pressure or Auto operation).

2. Post Flow Timer. Controls gas flow time after the weld.

3. 2T/4T/Pedal. Select between 2T/4T torch sequencer operation or foot pedal operation.

4. Air Pressure: Indicates Air Pressure while cutting. OK to Cut light indicates safe minimum operating pressure when lit.

5. Amp Control. Adjusts Cutting Amperage.

6. LED Display and LED Warning lights. Indicates Amperage. LED indicators warn of overcurrent or duty cycle limits.

Standard Equipment and Options

Standard Kit:

- IPT 100 Torch, 15ft.
- 250 Amp Work Clamp and 9 foot Cable
- Starter Consumable kit

Customer Favorite Options:

- PowerCart 250 **SKU/# PC250-M**
- IPT 100M Machine torch **SKU/#** INTM-PT100M-100A-25BBP-MACHINE (For CNC operation only see our CNC package option)