PowerPlasma 1005 CNC



Plasma Cutters CNC

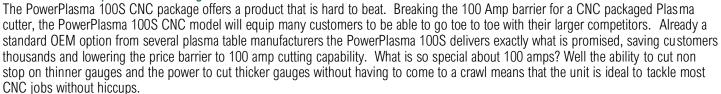


Make Mechanized Marvels.

- ► 100 Amps of cutting power offers quick cuts on CNC projects
- 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.
- CNC Torch with CNC Port Plug with full signals for THC and On/Off.
- ► 60% Duty Cycle at 100 Amps; 100% Duty Cycle at 80 Amps.
- Recommended for up to 3/4" daily use. 11/8" Clean cut rating.

CNC Performance at a sensible price.





Why is the CNC cutting performance less than a manual setup?

This is a question that many customers have when shopping for CNC plasma cutters. The lower rating is not unique to us. In fact, it is pretty well known in the industry that CNC cutting does require more out of a machine than a hand held operation. First, the cutting thickness estimates are reduced because the cutting speed of CNC tables is much greater than is typically averaged by hand cutting. This faster speed helps improve production. While technically possible to achieve the same approximate cut thickness as the hand held version, it cuts into production greatly, reducing economic profitability. Also the continuous cutting capability of CNC means that there is little time off for cooling of the unit or torch, which means that duty cycle is often exceeded at maximum cut rating. Lowering the maximum output means that duty cycle increases but cut thickness and speed decreases. On the PowerPlasma 100S, this means the unit would cut ideally around 100% duty cycle at 80 amps, which still is a tremendous cut capability. But when needed, the unit is still capable of pushing out the full 100 Amps if enough rest is allowed between extended cuts. Pierce capability is also reduced due to the fact that proper piercing technique of "rotating" the torch down and into the cut isn't an option. Piercing must be done straight down, into a molten pool of metal which can blow back onto the torch, shortening the consumable life or damaging the torch. For maximum cuts, edge starts are prescribed for best cutting experience.

Specifications

Process: Plasma (A-PAC)

Amps 1 and 3 Phase Model: I1MAX: 82A/52A; I1EFF: 64A /41A Plasma Torch Type: IPT100M (Innotec) 15 ft.

OCV: 250V Weight: 58 lbs.

Recommended Daily Max Cut: 3/4" (Steel)*

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 1/8" (edge start steel)*
*For Aluminum, reduce capacity 30-40%. For Stainless, reduce 20-30%.

1-877-755-9353

www.everlastwelders.com All specifications, accessories and options are subject to change without notice.

Everlast Power Equipment

380 Swift Ave. Unit 12 South San Francisco, CA 94080

ORDER PUBLICATION: 4152019-ETI APRII '19

Duty Cycle @ Max Amps: 60% @ 100A

Start Type: Blow-Back with Pilot Arc

Input Cable Length: 6'

Phase: Select from 1 or 3 Phase models

Max Pierce: 5/8"-3/4" with THC control (Steel)*

Compressor Requirements (Recommended): 8CFM @ 90PSI



- Torch and Arc Function Selector Switches: 2T/4T Torch trigger operation 4. (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.
- 2T/4T/Pedal. Select between 2T/4T torch sequencer operation or foot pedal operation.
- Air Pressure: Indicates Air Pressure while cutting. OK to Cut light indicates safe minimum operating pressure when lit.
- 5. Amp Control. Adjusts Cutting Amperage.
- LED Display and LED Warning lights. Indicates Amperage. LED indicators warn of overcurrent or duty cycle limits.



Standard Equipment and Options



Standard Kit:

- IPT 100M 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)

Everlast makes every effort to ensure accuracy of stated specifications and kit contents at time of publication. However, due to continual our efforts to improve our products and offerings, stated specifications, accessory kit content or product appearance may change without notice. Any change in specification, kit contents, appearance, length, etc. can be verified by calling toll-free @ 877-755-9353. In the event of these changes, Everlast will not be liable to provide product, kit contents, or accessories exactly as depicted or described in this publication. Please review warranty details @ https://www.everlastgenerators.com/ standard-warranty. The 5 year parts and labor warranty covers only the power source and does not cover accessories or consumables. While this publication may be used in multiple distribution markets, the 5 year warranty only applies to US products only. Canada and other countries maintain different warranty periods and policies. Consult directly with your country's distributor about your warranty details. Accessories, including all NOVA products are covered under a separate warranty. Consumables and consumable kits are not warrantied except against manufacturer defect. Since Everlast cannot know every situation and detail of customer's application, any statement of other warranty, expressed or implied, or statement concerning suitability of this product for a specific customer use or application is specifically disclaimed. The customer is responsible for ensuring safe and practical operation of the unit and is solely responsible for the proper use and application of this product and accessories.