

# ESP-101 PLASMARC™

## Mechanized Cutting Package

The ESP-101 is a multipurpose 100 amp plasma cutting system for mechanized cutting at 100% duty cycle. The ESP-101 uses ESAB's Smart Plasma concept to provide a plasma cutting console that is ideal for a variety of mechanized cutting applications.

Equipped with the patented PT-37 torch, the ESP-101 cuts up to 1 inch material using air as the plasma and shielding gas. Utilizing a blowback start and an electronically controlled pilot arc the ESP-101 sets a new standard for starting reliability, cutting characteristics and consumable life.



### Features

- + 100% Duty Cycle for continuous operation even at maximum thickness.
- + Utilizes a "drawn arc" to initiate the cut which eliminates high frequency interference from the starting circuits.
- + Electronically controlled pilot arc provides for consistent starting and longer consumable life.
- + A gouging mode allows for higher operating voltages at a reduced current for demanding mechanized plasma gouging applications which require long arcs.
- + Includes a full CNC interface with Arc Voltage Height Control support.
- + Adapter plugs to match competitive system interface cables are available.
- + An optional remote starting system allows the torch to be located up to 150' (45m) away from the power supply.
- + Machined torch body with 1 3/8" (35mm) metal handle, available with and without 32-pitch rack to fit industry standard torch holders.
- + Robust machined torch components provide for reliability, durability and ease of maintenance.
- + Metal nozzle and shield stand up to the toughest cutting conditions.
- + Wear parts are available individually, in sets and in value packs which eases ordering and saves money.

### Specifications

#### ESP-101

3 Ph Output	100 Amps @ 100% Duty Cycle
3 Ph Input	208/230/380/400/460/475/575 VAC 3 Ph, 50/60 Hz, 20KVA
	54/49/29/28/25/24/20 A
Cutting Capacity	Cuts up to 1" (25.4 mm)
Dimensions	15.51"W x 35"H x 26.25"D (394mm x 889mm x 667mm)
Weight	301 lbs (136.5 kg)
Min. Air Requirements	500 cfm @ 80 psig (236 l/min @ 5.5 bars)

# PT-37 Torch



## Features

- + Cuts the entire working range with a single set of consumables, thin gauge to 1 inch thick material. This reduces the number of required setups, reduces wear-parts inventory and simplifies re-ordering.
- + Two nozzles are offered, one optimized for gauge sheets the other for plate cutting. Either nozzle will cut the entire range.
- + Machined torch body with 1-3/8" metal handle and 32-pitch rack fits standard torch holders.
- + Torches without rack are available.
- + Robust machined torch components provide for reliability, durability and ease of maintenance.
- + Metal nozzle and retaining cup stand up to the toughest cutting conditions.
- + Wear parts are available individually, in sets and in value packs which eases ordering and saves money.



® ESAB Welding & Cutting Products

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