

## SMART CUT 850

Inverter Equipment for Plasma Cutting



Ref.: 22300850C

Code: 22300850C\_FT\_V0

Date: 31-05-2024

85 A  
100%**Description:**

Electric plasma cutting equipment blown with compressed air. Cutting of all types of electrically conductive materials: Steel, stainless steel, aluminum, brass, etc. Inverter system with great portability and high performance.

**Use:**

Industrial use. Suitable for manual and automatic cutting (CNC, THC).

**Cutting thickness**

Cutting type	Steel	Aluminium
Separation	38 mm.	25 mm.
Quality	32 mm.	20 mm.
Gouged		Yes
Grating		Yes
Fit for CNC		Yes
Max Pinning	7 mm	--

**Basic technical features**

Supply voltage	3 Ph. 400 V ± 15% - 50/60 Hz
Regulation range	20 A ÷ 85 A
Duty cycle	85 A / 100%
Maximum absorbed power	13,7 Kva
Maximum cutting thickness	38 mm.
Minimum air flow needed	175 ÷ 295 L/min.
Recommended compressor	5 ÷ 6 bar
Dimensions (width x height x length)	470 x 250 X 200 mm.
Weight	26,1 Kg.

**Includes:**

TH-125 6 m torch - Ref.:1603721CX

Gas hose - Cable with earth clamp

**Optional:**

Accessories Kit TH-125 torch

Ref.: KIT TH125

**Main advantages:**

- Electronic control of plasma arc power, ensuring stability and parameter repeatability.
- Backlit LCD screen indicating status and setpoint and measurement values.
- LED indicators for machine power and overtemperature.
- Easy operation with control panel featuring encoder and push button.
- Cutting power adjusted via rotary encoder.
- Back striking pilot arc ignition, minimizing potential interference with other equipment.
- Equipped with automation connector as standard, including voltage divider for THC (Torch Height Control) configurable in 5 modes and control signals for CNC.
- This equipment features protection against: overheating, lack of pneumatic pressure, overloads in power circuit, contact with hazardous voltages at torch head, contact between workpiece and torch nozzle, and protection against cutting without return ground.