

# PLACUT 80D / 101D

*- The Cut above Rest...*

*Digital  
Controlled*

**Powerful  
Economical  
Flexible**



**MANUAL AND AUTOMATED PLASMA CUTTING SYSTEM**

• **Maximum Parts Life** • **Increased Productivity** • **100% Duty Cycle**

**MESSER Placut 80 D / 101 D is state of the art digital Plasma Cutting Machine provided with the latest primary switched power electronic and controls.**

**The features are:**

- IGBT Semi conductor Power blocks for reliable performance in Hand and Mechanised cutting.
- Stable cutting process because of the line fluctuation compensation.
- 100% Duty cycle at maximum current.
- Higher flexibility through the low weight of only 53 kgs / 59 kgs.
- Build in Cyclonic Turbine “BICT” plasma head technology gives the cutting edge.
- Easy operation because of
  1. Clearly arranged control panel.
  2. LED Display for process monitoring.
  3. Current adjustment for optimum operation.

**The MESSER Placut 80 D / 101 D delivers excellent quality properties at high productivity in a wide range of thickness and at various metallic materials including galvanized steel plates.**

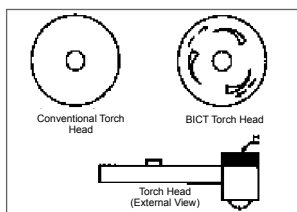
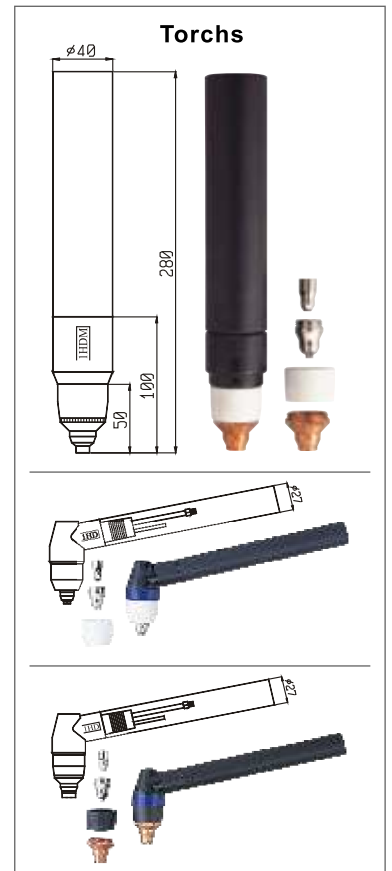
**The Plasma Machine torch ensures cost saving and reliable operation by:**

- Using the low price plasma gas i.e. Air.
- Lowest cost of consumables because of high life for nozzles and electrodes.
- Operator friendly torch end connectors.



**Technical Specification:**

Description	Placut 80 D	Placut 101 D
Input Voltage	415 V, Three phase 50 Hz	415 V, Three phase 50 Hz
Output Current	10-80 A Stepless Adjustable	10-100 A Stepless Adjustable
Output Voltage	100 - 150 V	100 - 150 V
Open Circuit Voltage	320 V DC	320 V DC
Input Power	16 KVA	18 KVA
Duty Cycle	100%	100%
Control System	IGBT Inverter Controlled	IGBT Inverter Controlled
Cooling System	Forced Air Cooling	Forced Air Cooling
Dimensions	510 x 345 x 640 mm	510 x 345 x 640 mm
Weight	53 Kgs	59 Kgs
Quality Cut	20 mm (Manual)	25 mm (Manual)
	12 mm (Mechanised)	16 mm (Mechanised)
Severence Cut	40 mm (Manual)	50 mm (Manual)
Compressor HP & Pressure	Min 1.5 HP, 5.0 - 5.5 kg / cm <sup>2</sup>	Min 1.5 HP, 5.0 - 5.5 kg / cm <sup>2</sup>
Air Flow	175 L / min	175 L / min



Build in cyclonic Turbine “BICT” plasma head technology gives the cutting edge making the internal section of plasma head constructed to act as air accelerator, to intensify plasma energy to achieve high power razor sharp cuts. The special head construction eliminates the need for consumables like swirl rings resulting in high cost savings.

Marketed in India by:



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