



### Product Overview

This **next-generation IGBT inverter-based plasma cutting machine** is engineered for **precision, power, and reliability**. Designed specifically for **heavy-duty industrial applications**, it ensures smooth and consistent cutting performance across a wide range of conductive metals.

The machine is suitable for cutting **stainless steel, carbon steel, aluminium, and copper**, delivering clean, accurate results that meet **global industrial standards**. Built with robust construction and modern inverter technology, it reflects dependable **Made in India** manufacturing quality.

### Key Features

- Advanced **IGBT inverter technology** for high efficiency and precise cutting control
- Wide adjustable current range to suit different material thicknesses and applications
- **High-frequency, non-contact pilot arc** for smooth and reliable arc initiation
- Clean cutting performance with minimal slag and distortion
- Operates using **compressed air only**, eliminating the need for additional gases
- Built-in **over-current, over-voltage, and overheating protection** for enhanced operator and machine safety
- **Rugged and compact design** with integrated carrying handle for easy portability and site use

*Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.*



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**Technical Specifications**

Parameter	Specification
Technology	IGBT inverter technology
Input Voltage	415 V $\pm$ 10%
Current Range	20 A – 80 A (adjustable)
Cutting Capacity	Up to 25 mm maximum thickness
Effective Clean Cut	16 mm
Duty Cycle	40%
Arc Starting	High-frequency non-contact pilot arc
Air Requirement	Compressed air only, no additional gas required
Air Pressure	0.55 MPa
Safety Protection	Over-current, over-voltage, overheating protection
Design & Portability	Compact, rugged construction (~20 kg) with carrying handle

**Materials Suitable for Cutting**

- Stainless Steel
- Mild Steel
- Aluminium
- Copper
- Other conductive metals and alloys

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