

600MM X 600MM CNC PLASMA CUTTER WITH HUAYUAN PLASMA GENERATOR 6060 BY TOUGH CUT



Toughcut CNC Plasma Cutter 6060 - Precision Cutting in a Compact Size

The Touchcut CNC Plasma Cutter 6060 is a high-quality cutting machine designed for small shops and hobbyists who require precision cutting capabilities in a compact size. With its advanced features, easy-to-use interface, and affordable price, the Toughcut CNC Plasma Cutter 6060 is an excellent investment for anyone looking to take their cutting capabilities to the next level.

- Features**
- Precision cutting: The Toughcut CNC Plasma Cutter 6060 uses a powerful plasma cutting torch to make clean precision cuts in steel.
  - Easy-to-use interface: The Toughcut CNC Plasma Cutter 6060 comes equipped with an intuitive interface that makes it easy to program and operate, even for those with little to no experience.
  - Compact size: The Touch it CNC Plasma Cutter 6060 is designed to be compact. It's the perfect size for small shops or hobbyists or schools who don't have a lot of space to spare.
  - Durable construction: The OMNI CNC Plasma Cutter 6060 is built to last, with a sturdy frame and high-quality components that can withstand heavy use.
  - Plasma Generator: 63A (Output) Heayuan Plasma Generator
  - Welded Square Tube Steel Frame with Inlet and Outlet Tap for Water Table
  - Working Form: Untouched Arc Striking
  - X,Y,Z Travelling Positioning Accuracy: ±0.05mm
  - X,Y,Z Travelling Repositioning Accuracy: ±0.05mm



SKU	Option	Part #	Price
9000443		OMNI6060/HUAYUAN 63A	\$16900

Model	
Type	CNC Plasma Cutting Machine
SKU	9000443
Part Number	OMNI6060/HUAYUAN 63A
Brand	Toughcut
Size	600mm x 600mm X Y Cutting Area (600mm x 900mm Table Size)
Technical - Main	
Power Source	415V 50Hz Three Phase
Accuracy	±0.05mm
Amps	60
Cut Max. Depth @ 0°	12 mm
Motor Brand	Yako Drive and Stepper Motor
Plasma Generator	60A Huayuan Plasma Generator
Table Size	600mm x 900mm
Dimensions	
Product Length	1250 mm
Product Width	1500 mm
Country of Origin	
Designed, Researched & Developed in	Australia
Manufactured in	China
Features	
Digital Speed Display	✓
Standard Inclusions	In Built Water Table
Safety	
CE Certified	✓
Workshop (Site) Info	
Electrical Connection	Excludes Plug & Lead (must be connected / installed by Licensed Electrician)
Plasma Generator	60A Huayuan Plasma Generator
Other Requirements	240V 10A Single-phase to the controller unit 415V 20A 3-Phase to plasma unit. Extraction (Flued)
Workshop Requirements	240V 10A Single-Phase to the controller unit,, 415V 20A 3-Phase to plasma unit,, Extraction (Flued)
Warranty	
Warranty	1 Year

Welded bed of thick-wall profiled steel to ensure a solid and stable bed.

The table has a practical design that includes 10mm thick steel plates that are securely fastened to the table and covered by a cast sheath with spikes. This design ensures that the steel plates remain undamaged even when exposed to high temperatures from the cutting flame. Additionally, the double-deck platform maintains a level difference of 0-1.5mm.

The machine utilizes four stepper motors and high-accuracy helical rack and pinion transmission for precise and stable coordinate movement. This results in low noise and accurate cutting performance. Additionally, the machine is equipped with a reliable START control system developed through a Sino-US joint venture, and it includes the user-friendly FL Cam software with an automatic material saving function. The CNC plasma cutter features a self-adjusting Torch Height Controller that automatically selects the optimal distance between the plasma head and the workpiece, ensuring precise and accurate cutting. This feature makes it the ideal choice for cutting various types of materials, including those with different thicknesses and heterotypic sheets.

**Additional Specifications**

Cutting area: 600mm x 600mm  
Cutting speed: 0-6000mm/min  
Torch height control: Automatic  
Control system: START control system  
Plasma Power: 63A  
Plasma Power Source: LGK-IGBT  
Cutting software: FL CAM  
Supported Input: G-code, HPGL, CAD, PLT  
Operation System: Start control system with HC-30 Auto Torch Height Controller  
Working Form: Untouched Arc Striking  
Document Transmission Form: USB Interface

If you're looking for a compact and affordable cutting machine that doesn't compromise on precision, the Toughcut CNC Plasma Cutter 6060 is an excellent choice. With its advanced features, easy-to-use interface, and durable construction, it's the perfect addition to any small shop or hobbyist workspace.

Packaging + Shipping	
Shipping Length	1300 mm
Shipping Width	1300 mm
Shipping Height	1650 mm
Shipping Weight (Gross)	650.0 kg
Packaging	Wooden Box / Crate with Skid
Requires a Skid to Ship	✓
Requires a Forklift / Tail Lift to Unload	✓
Shipping Notes	This product exceeds hand unloading limits and requires a tail lift truck or forklift at the unloading location (Receivers end).