

MetalSmart™ Portable CNC Cutting Machine

HEAVTH MetalSmart Series



- Ergonomic operation unit
- Flame and Plasma function
- High-strength 6063+ aluminum alloy
- High-precision Level-7 gear rack
- Portable & Light weight
- Multi language switchable
- Extendable Cutting Range
- 2-Year warranty insurance

Specifications	
Effective Cutting Width	1,550 mm (5 ft.) or 2,000 mm (7 ft.)
Effective Cutting Width	3,100 mm (10 ft.) Customizable
Maximum Speed	6,000 mm/min (240 IPM)
Operating Accuracy	0.3mm/m
Flame Cutting Thickness	5-150mm (0.2~6 in.)
Plasma Cutting Thickness	Decided By Plasma Source
Total Weight	130 kg (211 lbs.)
Input Voltage	AC220V or AC110V, 50/60 Hz

Easy to learn and operate



Optional plasma power source

Plasma Source	CUT60	CUT120	CUT200	CUT300	MAX105	MAX125
Cutting current	60A	120A	200A	300A	105A	125A
Recommended cut	10mm	18mm	25mm	35mm	16mm	20mm
Maximum cut (Pierce cut)	12mm	20mm	30mm	40mm	18mm	22mm
Duty cycle	100% 50A	100% 100A	100% 200A	100% 300A	100% 105A	100% 125A
Plasma torch	7.5M P80	7.5M 120A	MS-300A	MS-300A	Low freq 105	Low freq 125
Mains Supply	AC220V 1PH AC380V 3PH	AC220V 3PH AC380V 3PH	AC380V 3PH	AC380V 3PH	AC380V 3PH	AC380V 3PH

HEAVTH Plasma Features

- ✓ The CUT Series plasma source using high frequency arc ignition current eliminates interference and provides strong pilot arc for quick and reliable starting.
- ✓ The MAX Series plasma source using low frequency arc ignition current, no interference and better effect. The torch is using 105A (220842, 220990), 125A (220971, 220975)
- ✓ Above 200A plasma source using water chiller to cooling the machine and torch.
- ✓ Better heat dissipation design of the plasma make the cutting consumable long life.

CNC System Controller

MetalSmart Series Portable CNC cutting machine used new version of CNC controller with many new features:

- ✓ 7 inch high definition 16 million colors and high brightness LCD
- ✓ Memory: 64M SDRAM
- ✓ Built-in Library of Commonly used figures
- ✓ Break-point & Power-cut Restoration
- ✓ Program space available for user: 256M electronic hard disk
- ✓ Control accuracy: +/-0.001mm
- ✓ Coordinate range: +/- 99999.99mm



Main Products:

Fiber Laser Cutting Machine
Portable CNC Cutting Machine
Gantry CNC Cutting Machine
Fiber Laser Welding Machine
CNC Pipe Cutting Machine
FineCut Plasma Cutting Machine

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