MAX-200HD

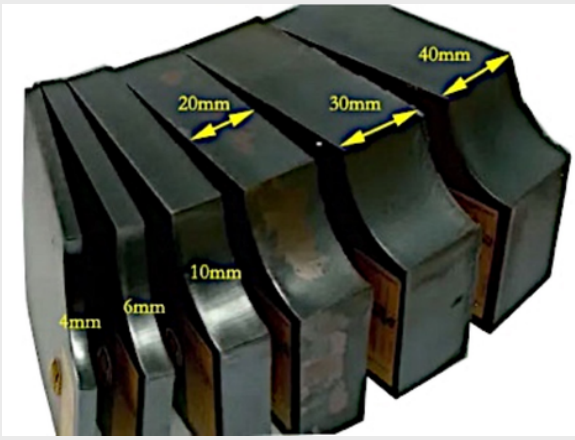
High-definition Plasma Power Source

- Using current ripple control technology, the output current ripple is small, the cutting quality is stable, and the cut is smooth.
- The professionally tuned cutting torch cooling system is equipped with a large-flow, high-lift water pump and a high-power heat dissipation structure, which effectively prolongs the service life of the torch consumables.
- The design of multiple gas input interfaces adapts to multiple gas cutting processes and realizes the best cutting of various metal materials.
- Excellent high-frequency arc starting control technology. The high-frequency box is separated from the power supply structure, which reduces the interference of high frequency to the CNC system as much as possible. The cutting torch cable is short, ensuring a 100% arc starting success rate.
- Complete communication control interface, convenient to expand the function, easier to match a variety of intelligent CNC systems

Cutting mode	HD plasma
Current range	200 amps
Cutting Gas	Air/Nitrogen/Oxygen
Mild Steel Cutting Performance	
Recommended cutting capacity	30mm
Torch-Model	Thermacut 260
Torch cooling method	Water-cooled
Piercing capacity	30mm
Input voltage	380V 3 phase

High frequency arc ignition box

Gas selection console



Hd torch: Thermacut 260 & Consumables

Specifications

Model	MAX-200HD
Standards of power supply	300~380v/50Hz ±10%
The number of phases	3 phase
Input power	100%
Rated output current	200A
Rated output voltage	150V
Rated load duration	100%
No-load voltage	315VDC
Current adjustment range	30-200A
Cross-sectional area(mm2)	≥16square
Fuse (A)	200
Switching capacity	200
Maximum cutting thickness CB	50mm
Maximum piercing thickness CB	30mm
Plasma gases are used	Air/Nitrogen/Oxygen
Gas pressure	0.4~0.6MPa
Split cooling system	Water-cooled
Arc ignition mode	Non-contact ignition (high frequency ignition)
Insulation class	F level
Enclosure protection class	IP21S
Dimensions L*W*H (mm)	810*410*870
Packing size L*W*H (mm)	1000*470*1100
Net weight	109kg
Package weight	129kg(wooden box)
Torch model	Thermacut 260

Selection console operating data

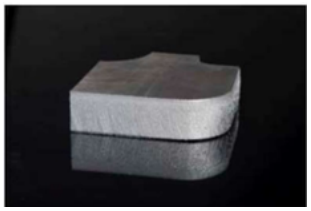
Gas	Quality	Pressure ±10%	Flow
O_2	Purity ≥99% Clean, dry, and oil-free	0.8MPa/8bar/115psi	70 L/min
N_2	Purity ≥99% Clean, dry, and oil-free	0.8MPa/8bar/115psi	195 L/min
AIR	Purity ≥99%	0.8MPa/8bar/115psi	190 L/min
H35**	Purity ≥99% Clean, dry, and oil-free	0.8MPa/8bar/115psi	70 L/min
F5***	Purity ≥99% Clean, dry, and oil-free	0.8MPa/8bar/115psi	70 L/min
Ar	Purity ≥99% Clean, dry, and oil-free	0.8MPa/8bar/115psi	70 L/min

Operating data

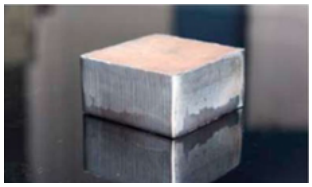
Material	Plasma gas / shielding gas	Current A	Thickness mm	Cutting speed mm/min
Low-carbon steel	Oxygen/oxygen	30	0.5	5500
			3	1200
			6	600
	Oxygen/air	80	3	6200
			12	1500
			20	500
		130	6	4000
			10	2800
			25	700
		200	10	3800
			20	1700
			32	750
		300	12	4200
			20	2500
			32	1000
Stainless steel	F5/Nitrogen	60	3	2800
			4	2000
			5	1800
			6	1500
	H 35/Nitrogen	300	10	2200
			12	1900
			20	1200
aluminum	H 35/Nitrogen	300	12	4400
			20	*2100*
			32	1100

Stainless steel

Aluminum



Carbon steel



Low-carbon steel