# DC Inverter Air Plasma Cutting Machine









## **YCUT-161**

## **YCUT-201**



- ◆ Mechanized plasma cutting type design, it's specially suitable for CNC cutting use.
- ◆ These Plasma Cutters can be both used as Hand-held Cutting and CNC Machine Cutting.
- ◆ Easily cutting of all electrically conductive materials with finishing.
- High strength structural steel cutting with low heat input.
- ◆ High cutting speed(10 times more than oxyfuel).
- Any processing of high quality blank for medium and thick sheet metals.
- ◆ Wide range of material such as Mild Steel, Stainless Steel, and Aluminium.
- ◆ Smooth edge, surface.
- ◆ These machines have a low kerf(the width of the material removed by the cutting process).
- ◆ Not affected by the reflective properties of a material with polished or highly reflective materials.

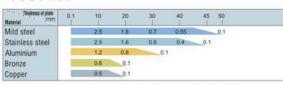
Sr. No.	Parameter	GREAT-YUVA	Other Make		
1	Surface quality of Cut	Extremely clean surface	Rough surface		
2	Width of Cut	Low width of cut	High width of cut		
3	Slag sticking	Low slag sticking	High slag sticking		

Main Technical Parameters :	YCUT-161	YCUT-201	
Input Voltage(V)	415 ± 10%,3-ph	415 ± 10%,3-ph	
Frequency(Hz)	50/60	50/60	
Rated input current(A)@60% duty cycle	55	77	
Rated Input capacity(KVA)	37	51	
Rated Output current(A)	160	200	
Input current(A)@100% duty cycle	43	60	
Input capacity(KVA)@100% duty cycle	30	41	
Output current(A)@100% duty cycle	124	155	
No-load voltage(V)	320	320	
Plasma gas	Compressed air	Compressed air	
Air pressure required(MPa)	0.3-0.6	0.3-0.6	
Case protect class	IP23	IP23	
Insulation class	Н	Н	
Power factor	>0.93	>0.93	
Efficiency(%)	85	85	
Arc starting	Non-contact	Non-contact	
Torch cooling mode	Water	Water	
Max Quality Cut Thickness(Mild Steel),mm	42	45	
Sever Cut Thickness(Mild Steel),mm	50	60	
Max piercing thickness(Mild Steel),mm	26	28	
Max CNC Cutting thickness(Mild Steel),mm	21	25	
Dimension(LWH),mm	720x370x666	820x395x960	
Weight(Kg)	55	71.6	



### Cutting capability

#### ■YCUT-161



<sup>\*</sup> Note: The figures show the approximate cutting speed (m/min) at 160A.

#### ■YCUT-201

Thickness of plate morn	0.1	10	20	30	40	50	60
fild steel	6.6	3.5	2.5	1.2	0.7	No.	0.1
Stainless steel	5.8	3.0	2.0	1.5	0.6	0.1	
Aluminium	4.0	1.6	1.0	0.6	0.1		
Bronze	1.4	0.25	0.15.0.1				
Copper	1.4	0.25	0:16.0.1				

<sup>\*</sup> Note: The figures show the approximate cutting speed (m/min) at 200A.



ON SITE