

# PROCUT-105HD

- The PROCUT-105HD plasma system provides the superior cutting capacity for reliable, long consumable life and low cost operation characteristics across a wide range of industrial application.
- The cutting capacity can reach 16mm (dross free) for Air/Air gas with CNC cutting, maximum productivity.



## Specifications

System	PROCUT-105HD
Input Voltages	380V, 3PH, 50/60Hz 400V, 3PH, 50/60Hz 220V, 3PH, 50/60Hz
Max. Load Power Capacity	16KVA
Rated output voltage	160VDC
Max output current	105A
Duty cycle rating 40°C(105°F)	380V /400V: 100% @105A 220V : 80% @105A 100% @88A
Operating temperature	-10°C~40°C
Open circuit voltage (OCV)	350VDC
Dimensions	680*310*650mm
Weight	45KG
Torch	TP105, 7.5m
Recommended gas inlet flow rate/pressure	Cutting: 460 scfh, 7.7 scfm @ 85 psi Gouging: 480 scfh, 8.0 scfm @ 70 psi
Gas supply	Clean, dry, oil-free air or nitrogen
Certifications	CE, ROHS
Warranty	Power supplies have a 3-year warranty

## Excellent Cutting Performance

### - Maximum productivity:

The cutting speed of dross free can reach 900mm/min for 16mm mild steel.

### - Higher reliability and stability:

Designed with 100% duty cycle for the most demanding production environments.

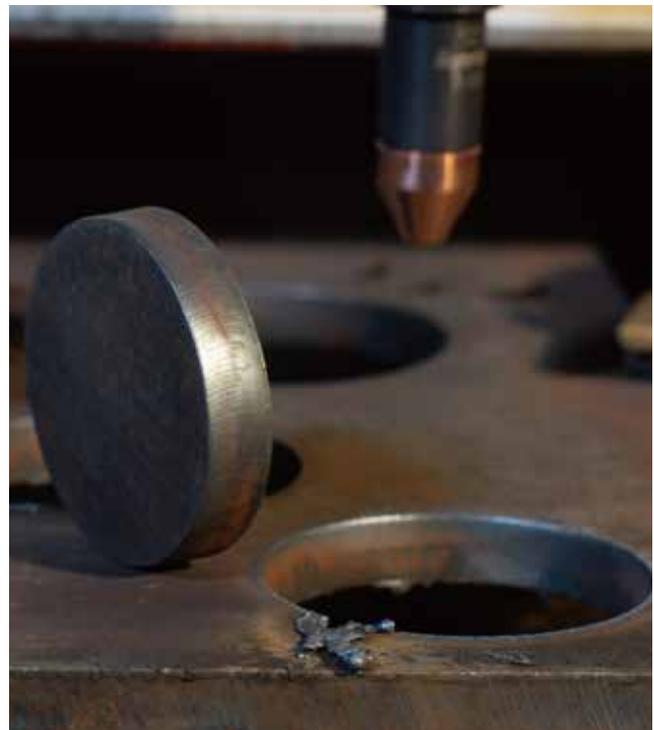
Designed and tested as the TOPWELL PROCUT series product for superior reliability in the most demanding cutting environments.

### - Long life consumables:

Reduce costs with long consumables life and more up time.

### - Economic:

Low maintenance for maximum uptime.



## Cutting Capacity (Carbon Steel)

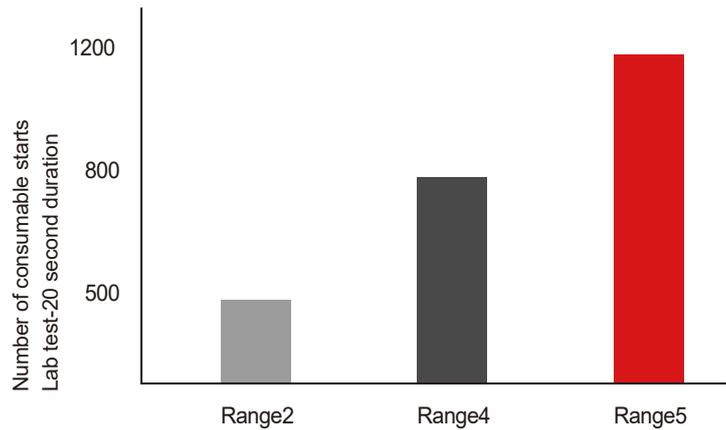
Capacity	Thickness	Cut speed
Dross free(CNC)	16mm	900mm/min
Pierce*	22mm	
Cut angle(ISO9013)	Range 2	
Severance (Hand cutting)	50mm	125mm/min

\*Pierce rating for handheld or with CNC torch height control

Gouge capacity	Removal rate	Groove profile
Plasma gouging		
Typical gouge	8.8kg/h	5.8mm Dx 7.1mm W

## Long-life Consumables

- 12mm mild steel;
- 105A Air/Air;
- 20s duration;
- The number of consumable starts can reach more than 500 times (ISO9013 Range 2).



## Plasma Torch: TP105



## Simple Operation:

- TOPWELL ProCUT-105HD series integrated plasma solutions deliver the industry's best precision cutting on carbon steel, low alloy steels and so on;
- Easy to install, easy to operate, easy to maximize performance;
- User-friendly control system, simple and intuitive operation interface;
- Digital control, and advanced diagnostics simplify troubleshooting and service;



**HIGH PERFORMANCE CUTTING**

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