



High Performance Cutting

# POWERCUT SERIES

High performance, great for CNC cutting up to 18mm, HF ignition



More Productivity | Easier to Use | Lower Operation Costs

## Maximum Productivity



- Finish jobs faster with cut speeds five times greater than oxyfuel on 12 mm (1/2") mild steel.
- Superior cut quality let you spend less time on grinding and edge preparation.
- 100% duty cycle maximizes your cutting time.
- Multiple, easy-to-use torch styles let you tackle a wide variety of jobs using the same system.

## Superior Mechanized Cutting Capacity

- Fast and clean cut (dross-free) up to 18mm, and maxim pierce up to 25mm for mild steel.
- It can provide versatility for portable automation, X-Y table cutting, extended reach cutting, and robotic cutting.



25 mm M.S.

## Lower Operating Costs

- TOPWELL special designed torch system delivers superior cutting performance but much lower costs.
- Superior cut performance - significantly save a lot of time on secondary operations.
- Designed with 100% duty cycle for the most demanding production environments.
- TOPWELL certified reliability - ensures performance in the most demanding environment.



## Operation Data by CNC

Material Thickness (mm)	POWERCUT 100HD		POWERCUT 130HD	
	Cutting Current (A)	Cutting Speed (mm/min)	Cutting Current (A)	Cutting Speed (mm/min)
6	100	4140	130	4980
8	100	3140	130	3800
10	100	2260	130	2750
12	100	1690	130	2050
16	100	1060	130	1260
20	100	780	130	980
25	-	-	130	610



## Cutting Capacity (carbon Steel)

	POWERCUT 100HD		POWERCUT 130HD	
	Thickness	Speed	Thickness	Speed
For CNC				
Dross Free	16mm	900mm/min	18mm	900mm/min
Max Pierce*	22mm	700mm/min	25mm	610mm/min
For Manual Cutting				
Quality Cutting	32mm	500mm/min	35mm	500mm/min
Max Cut-off	50mm	125mm/min	60mm	125mm/min
For Gouging				
Metal Removal Rate	21.7 lbs per hour		27.6 lbs per hour	
Groove Profile	0.25" Dx 0.29" W		0.31" Dx 0.39" W	

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

## Manual Cutting Performance

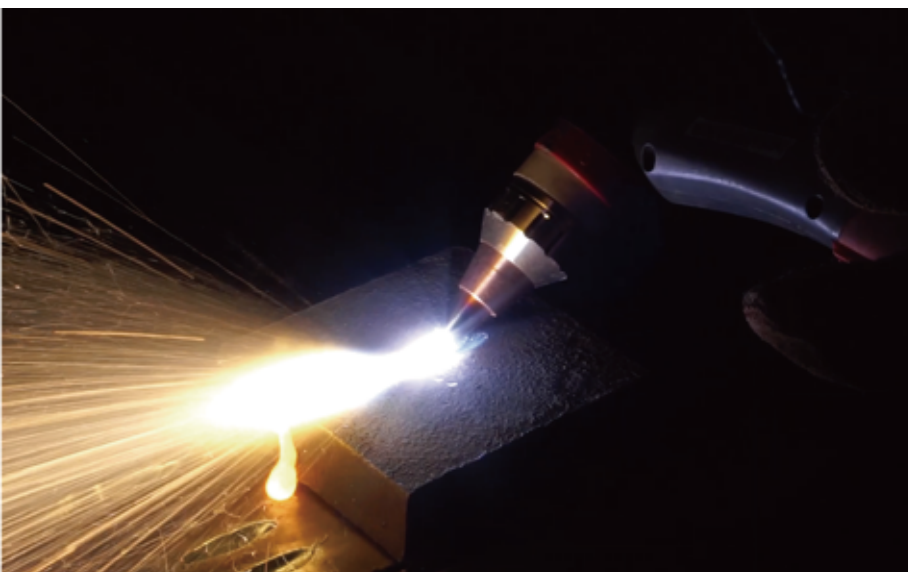


With its portability and high power, Procut system are also available with a handheld or machine torch to fit the application, leaving a good quality cut edge.

\*60mm Mild Steel thickness manual cutting by POWERCUT 130HD

## Gouging

Handheld and mechanized usage with track cutters, POWERCUT systems are effective for gouging metal, fit a ranger of gouging application.



## Specifications

System	POWERCUT 100HD	POWERCUT 130HD
Input Voltages	380V/440V, 3PH, 50/60Hz	380V/440V, 3PH, 50/60Hz
Max. Load Power Capacity	20.0KVA	28.4KVA
Rated output voltage	160VDC	175VDC
Max output current	100A	130A
Open circuit voltage (OCV)	350VDC	380VDC
Operating temperature	-10 °C~40°C	-10 °C~40°C
Duty Cycle Rating 40°C(105°F)	100%@100A	100%@130A
Dimensions	680*310*650mm	680*310*650mm
Weight	49KG	49KG
Torch	TP130, 7.5m	TP130, 7.5m
Recommended Gas Inlet Flow Rate/Pressure	Cutting: 218 l/min (460 scfh) @ 5.9 bar (85 psi) Gouging: 211 l/min (450 scfh) @4.1bar (60 psi)	Cutting: 260 l/min (550 scfh) @ 5.9 bar (85 psi) Gouging: 225 l/min (480 scfh) @4.86 bar (70 psi)
Certifications	CE,ROHS	CE,ROHS

## For Cutting



### Torch



TP 130 CNC torch



TP 130 MANUAL torch

## Consumables





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