



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

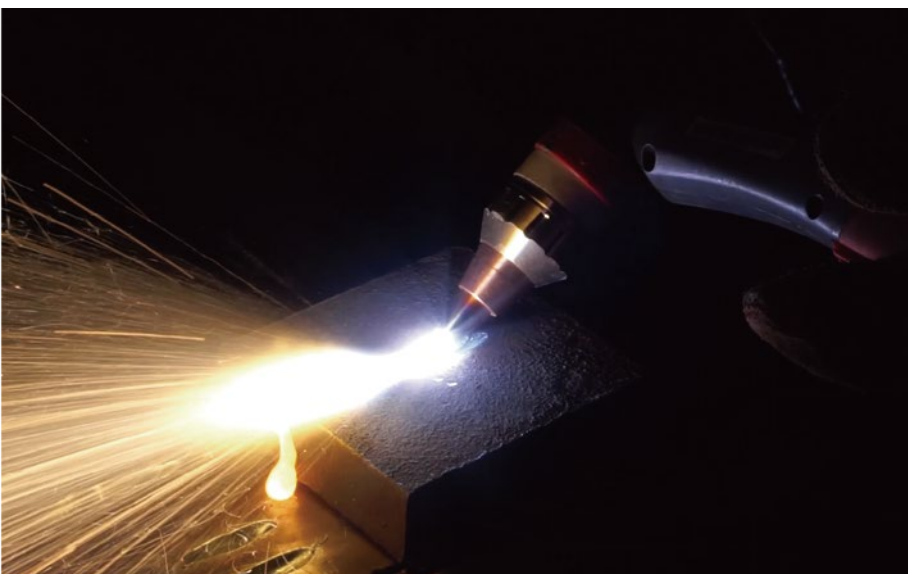


With its portability and high power, Procut system are also available with a handheld or machine torch to fit the application, leaving a good quality cut edge.

*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





High Performance Cutting

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