



# PowerCut™ 1300

*Powerful Inverter Plasma for non-stop cutting*

PowerCut® 1300 makes plasma cutting easier and more economical than ever before, delivering reliability, high production and a wide variety of performance features. With design features that simplify operation, reduce set-up time and enhance consumable life, it lets you spend less time troubleshooting and more time cutting.

PowerCut 1300 package come fully assembled and ready-to-cut once input cable is plugged in and system is hooked up to a compressed air source. Each package includes the 25 ft. (7.6 m) or 50 ft. (15.2 m) PT-38 heavy-duty plasma cutting torch, torch holder and spare parts kit.

## Performance

- Blowback technology – eliminates high-frequency starts that can disrupt electronic controls and nearby computer systems
- Auto-modes (gouge, grate, and normal modes) switch between modes automatically, tailoring your application without manually changing settings on the power source
- Gouging capability – PowerCut™ delivers the extra output voltage needed for superior plasma gouging capability

## Long life & reliability

- Rugged design – PowerCut™ 's external housing design is durable, damage-resistant, corrosion-resistant and weather resistant, while remaining lightweight for portability
- Suspended electronics – sensitive internal electronics are suspended from the aluminium frame, insulating them from shock and vibration
- Sealed switches – silicone-sealed switches are immune to corrosion, as well as dust and dirt infiltration
- Automatic fan control – the cooling fan is automatically controlled to run only when necessary, to conserve energy and reduce ingested dust and dirt
- Built-in power line conditioner – protects against damage from power line noise and spikes, even with poor-quality power

## The PT-38 manual cutting torch

- Ergonomic handle for operator comfort
- Big face switch maximizes convenience when wearing welder's gloves.
- Blowback technology
- Easily repairable in the field
- Minimum part configurations
- Moulded strain relief for secure torch leads

## Mechanization

Optional kits – let you easily transform your manual cutting system into a powerful mechanized system for your gantry machine. PT37-15m with rack (straight neck), remote torch switch and interfacing cable are required for this purpose



## Easy to use

- Tool-less quick disconnect torch – disconnects from the machine without the use of wrenches or special tools. It is easy to disconnect the PT-38 torch for storage, repairs or replacement, or to attach a PT-37 mechanized torch for mechanized applications
- Digital readout display – easy to read and shows the exact pressure or amperage, so you can operate with confidence. The display also shows help codes to assist in troubleshooting minor errors, reducing downtime
- Trigger lock function permits releasing switch for long cuts.
- Torch wrap and wear parts kit holder – This optional item lets you neatly wind up torch and cables for convenient storage.

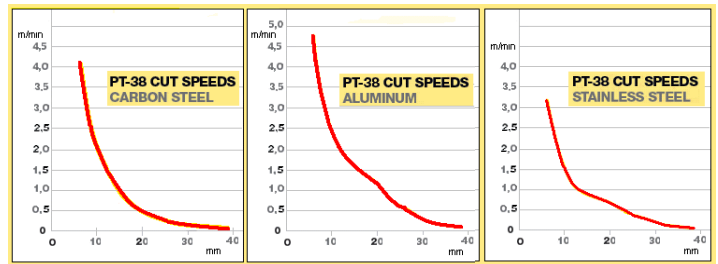
- **Powerful performance – PowerCut™ offers the highest speeds and thickness capabilities, as well as high duty cycle ratings, for outstanding productivity and performance**
- **Powerful economy – through a combination of long part life, high speeds and simple torch design, the PowerCut™ offers the lowest cost per cut meter of any machine in its price class**
- **Powerful durability – this robust cutting unit stands up to rugged treatment and outdoor use, plus cuts continuously up to 32mm metal with ease**
- **Powerful ease of operation – with features such as the tool-less quick disconnect torch and a digital readout display, the PowerCut™ is easy to set up and operate, increasing productivity and reducing downtime**

## Technical data

## PC1300

<b>Mains voltage, V/Ph Hz +/-15%,</b>	3x400, 50
<b>Fuse (slow), A</b>	35
<b>Mains cable, Ø mm<sup>2</sup></b>	6
<b>Permitted load at 100% duty cycle, A/V</b>	70/115
<b>Power factor at maximum current</b>	0,72
<b>Efficiency at maximum current, %</b>	0,89
<b>Air requirements l/min / bars</b>	165 / 4.8-5.2
<b>Dimensions lwxhx, mm</b>	706x323x378
<b>Weight, kg</b>	41
<b>Recommended generator power</b>	kW 20
<b>Manual cut capacity</b>	
<b>Cuts, mm (inch)</b>	32(1¼)
<b>Severs, mm (inch)</b>	38 (1½)
<b>Mechanized pierce capacity</b>	
<b>Maximum, mm (inch)</b>	19 (¾)

**PC1300 with PT-38**  
can do non-stop cutting of MS, SS & AI



## Ordering information

<b>Description</b>	<b>Code</b>
PowerCut™ 400V, PT 38 25 FT	16F 0314 070

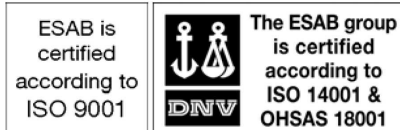
## Optional accessories

<b>Torch Guide Kit Deluxe</b> (max 106 cm Radius)	16F1102001
<b>Torch Guide Kit Basic</b> 16F1109001 (44.5 to 71 cm Radius)	
<b>PT-37 Torch with rack 15.2m</b>	16F1119001



**PT-37**  
Straight neck Cutting Torch option

## Wear parts for torch PT-38



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