

# PAK 200i

## MANUAL AIR-PLASMA CUTTING & GOUGING SYSTEM

- 200 Amps of cutting power
- 100% duty cycle
- Dual gas capability
- High gouging removal rate
- Tip Saver for optimal tip life



# PAK<sup>®</sup> 200i

Manual Air-Plasma Cutting & Gouging System

## PAK<sup>®</sup> 200i Plasma Cutting System

- **200 Amps of cutting power**

This unit is capable of hand cutting at 200 Amps with the ability to cut up to 70 mm on mild steel. At full output this unit will cut 254 mm/min on 50 mm mild steel.

- **100% duty cycle**

This machine offers 100% duty cycle at full output.

- **Dual gas capability**

The dual gas system ensures superior quality and performance on ferrous and non-ferrous materials. (Plasma Gas: Air, ArH<sub>2</sub>, N<sub>2</sub>, Secondary Gas: Air, N<sub>2</sub>)

- **High gouging removal rate**

With the ability to remove up to 11.3 kg of mild steel per hour.

- **Tip Saver for optimal tip life**

This ensures that any accidental contact between the tip and the work at high power levels will not damage the tip.



Recommended



40 mm

Maximum



70 mm

### Plasma cutting system applications include:

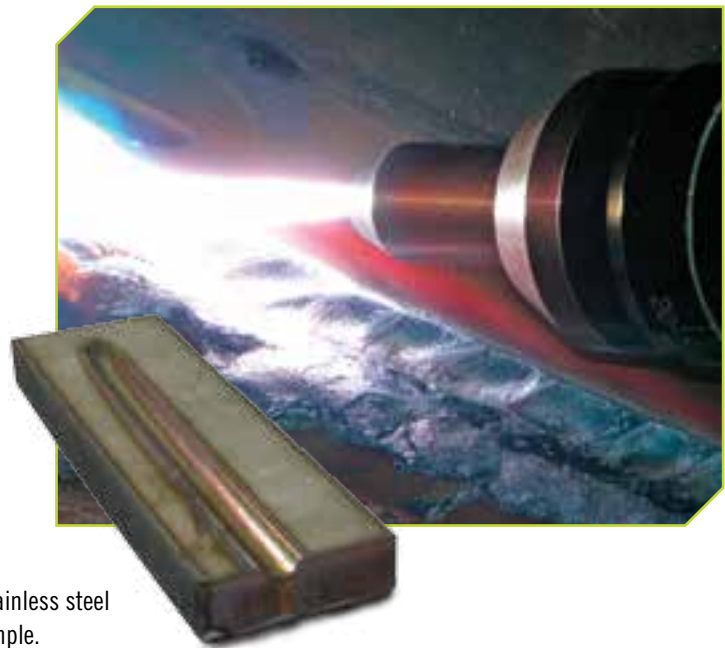
- General fabrication of mild steel, stainless steel and aluminium
- Road transport trailers
- Railway maintenance
- Vessel manufacturing
- Pipe beveling and fabrication
- Oil refineries
- Foundries
- Chemical plants
- Mining operations
- Shipbuilding

<b>Output Current- (Amps)</b>	<b>35 - 200</b>
<b>Output Power - (Kw)</b>	40
<b>Genuine Cut - mm</b>	40
<b>Maximum Cut - mm</b>	70
<b>Pierce Rating - mm</b>	35
<b>Volts, Phase</b>	400V / 3 Phase 50/60Hz
<b>Amps, Volts</b>	57 A @ 400V
<b>Duty Cycle (@40°C)</b>	100% @ 200A
<b>Plasma Gas</b>	Air, ArH <sub>2</sub> , N <sub>2</sub>
<b>Secondary Gas</b>	Air, N <sub>2</sub>
<b>Dimensions (H x W x L) - mm</b>	1219 x 698 x 1031
<b>Weight - kg</b>	215
<b>Torch Model</b>	PCH-200
<b>Warranty</b>	2 Years on the power supply 1 Year on the torch
<b>Certifications</b>	CE

# **PAK<sup>®</sup> 200i Plasma Arc Gouging (PAG)**

**Plasma Arc Gouging is fast, economical and an environmentally friendly method for removing metal. When compared with conventional Air Carbon Arc gouging (CAC-A), Plasma Arc Gouging offers:**

- Simple operation
- Easy acceptance from operators
- Clear visibility of gouging area
- High material removal rates
- Reduced noise for operator and other personnel in surrounding area
- Reduced smoke in workplace
- Cutting capability of up to 70 mm with a consumable parts change



10 mm stainless steel gouge sample.

**Plasma Arc Gouging may be used on many metals, including: mild steel, stainless steel, cast iron, aluminium, brass and bronze. Some common applications for Plasma Arc Gouging are:**

- Rail carriage repair – removing journal liners, brake repairs, preparing worn wheels for re-welding
- Chemical plants/refineries – preparing joints on non-ferrous piping and equipment
- Vehicle repair – steel, aluminium and stainless steel tanker repair
- Tank manufacturing – automated and manual back gouging of welds
- Heavy equipment repair – removal of hard surfacing material
- Food & drinks facilities – repairing stainless steel equipment
- Power plant maintenance – removing cavitation from power plant turbines, repairing tube sheets
- Foundry work – removal of gates and risers

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Manual Air-Plasma Cutting & Gouging System

## Accessories / Options

Description	Part No.
Torch Guide / Circle Cutting Attachment	7-7505
Remote Pendant Control	7-3460
Wheel Kit	9-7378
Extra Cool™ Torch Coolant (3.8L)	7-3580

## Torch Consumable Parts

Description	Part No.	Description	Part No.
<b>SHIELD CUPS</b>		<b>GAS DISTRIBUTORS</b>	
Shield Cup, Standard	32-1325	Gas Distributor, Cutting	32-1315
Crown Shield Cup (Manual Cutting)	32-1326	Gas Distributor, Gouging	32-1509
Shield Cup (Gouging)	32-1527	<b>ELECTRODES</b>	
<b>TIPS</b>		Electrode, Air Cutting	32-1310
Tip, 200A	32-1323	Electrode, Multi-Gas Cutting	32-1311
Tip, 150A	32-1330	Electrode, Air, Gouging	32-1504
Tip, 70A	32-1321	Electrode, ArH <sub>2</sub> , Gouging	32-1505
Tip, 55A	32-1322	<b>OTHER</b>	
Tip, 35A	32-1320	Coolant Tube Extension, Gouging	32-1502
Tip (0.110) Gouging	32-1512	Wrench	20-0001
Tip (0.125) Gouging	32-1513	O-Ring Lubricant	8-4025
Tip (0.156) Gouging	32-1514	Parts Box	9-4173
Tip (0.171) Gouging	32-1515		

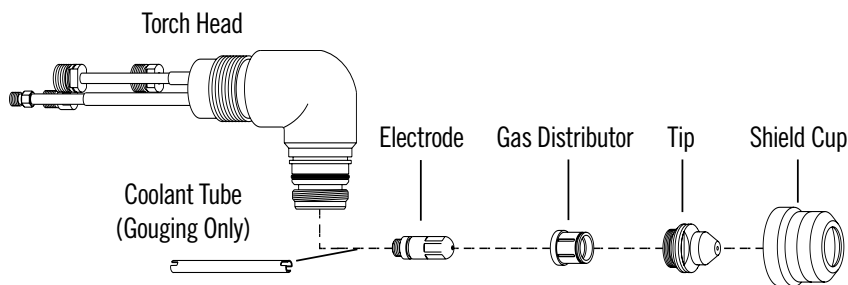
## Torch & Leads Packages

Description	Part No.
PCH-200 / 70° / 7.6 m Leads	2-0009
PCH-200 / 70° / 15.2 m Leads	2-0010
PCH-200 / 70° / 30.5 m Leads	2-0011
PCH-200 / 90° / 7.6 m Leads	2-0012
PCH-200 / 90° / 15.2 m Leads	2-0013
PCH-200 / 90° / 30.5 m Leads	2-0014
PCH-200 / 180° / 7.6 m Leads	2-0015
PCH-200 / 180° / 15.2 m Leads	2-0016
PCH-200 / 180° / 30.5 m Leads	2-0017

## Power Supply & Leads

Product Description	Part No.
<b>POWER SUPPLY &amp; LEADS</b>	
	<b>400V CE</b>
PAK 200i - 70° Torch / 7.6 m Leads	1-2251
PAK 200i - 70° Torch / 15.2 m Leads	1-2252
PAK 200i - 90° Torch / 7.6 m Leads	1-2253
PAK 200i - 90° Torch / 15.2 m Leads	1-2254
PAK 200i - 180° Torch / 7.6 m Leads	1-2255
PAK 200i - 180° Torch / 15.2 m Leads	1-2256

*All manual systems include Power Supply, Torch and Leads, Spare Parts Kit, 7.6 m Work Cable & Clamp, and Torch Coolant.*



**VICTOR**<sup>®</sup>  
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