PLASMA CUTTING RANGE
INVERTEC® PC-210 • TOMAHAWK® 1025 • TOMAHAWK® 1538
Value for money

Cut through any conductive material in seconds.

Choose a model just right for your typical material thickness. Our plasma cutters are as good as the best in Class, with prices far below competitors (the machine as well as the consumable parts).

**INVERTEC® PC-210** — portable, flexible cutting power up to 10 mm, powered from a standard 230V input supply, ideal for work on site.

**TOMAHAWK® 1025 & 1538** — high performance plasma cutting machines, built to handle harsh environmental conditions, suitable for operation on site with a generator or within a workshop environment.

Up to 25 mm mild steel (Tomahawk® 1025) and up to 40 mm mild steel (Tomahawk® 1538).
INVERTEC® PC-210

- Flexible: only 230 V input required.
- High performance: innovative advanced electrode and nozzle design.
- Robust: long life compressor.
- Portable: only 18,5 kg, small and compact.
- Different materials: mild steel, stainless steel, aluminium and many more.
- Concentrated plasma stream: less heat input, less distortion.
- Internal compressor or external.

**PERFORMANCE**

<table>
<thead>
<tr>
<th>Plate thickness [mm]</th>
<th>Travel speed [cm/min]</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>180</td>
</tr>
<tr>
<td>2</td>
<td>160</td>
</tr>
<tr>
<td>4</td>
<td>140</td>
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<tr>
<td>6</td>
<td>120</td>
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<td>8</td>
<td>100</td>
</tr>
<tr>
<td>10</td>
<td>80</td>
</tr>
<tr>
<td>12</td>
<td>60</td>
</tr>
<tr>
<td>14</td>
<td>40</td>
</tr>
<tr>
<td>16</td>
<td>20</td>
</tr>
<tr>
<td>18</td>
<td>0</td>
</tr>
</tbody>
</table>

**Motor generator compatibility**
- minimum power 4kW
- Vac peak voltage: below 410V.
- RMS voltage of the AC waveform: 230Vac ± 10%

**INTERNAL COMPRESSOR OR EXTERNAL AIR**

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Product</th>
<th>Item Number</th>
<th>Primary Voltage [50-60Hz]</th>
<th>Rated Output</th>
<th>Cutting Capacity (mm)</th>
<th>Flow Rate</th>
<th>Inlet Pressure</th>
<th>Output Range [A]</th>
<th>Weight (kg)</th>
<th>Dimensions HxWxD (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Invertec® PC210</td>
<td>K12038-1</td>
<td>230V/1Ph</td>
<td>25A/90V/95% 20A/88V/60% 15A/86V/100%</td>
<td>10</td>
<td>80/min/20%@5,0bar</td>
<td>6,0 bar</td>
<td>10-25</td>
<td>18,5</td>
<td>385 x 215 x 480</td>
</tr>
</tbody>
</table>
Processes
- Plasma cutting (all)
- Plasma gouging
- Grid Mode

Type of Gas
- Air compressed
- Nitrogen

Applications
On site maintenance
Service tasks
Small construction sites
General installations
Air ducting installation (HVAC)
Demolition work
Rental

Motor generator compatibility:
• Minimum power 9.2kW (TH1025), 18kW (TH1538)
• AC waveform peak voltage below 700V.
• RMS voltage of the AC waveform is always equal to 400Vac ±15%.

Output

Input

PERFORMANCE

Tomahawk® 1025 with LC65
Comparison at 60A

Tomahawk® 1538 with LC105
Comparison at 100A

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Product</th>
<th>Item Number</th>
<th>Primary Voltage (50-60Hz)</th>
<th>Rated Output</th>
<th>Cutting Capacity (mm)</th>
<th>Piercing Capacity (mm)*</th>
<th>Flow Rate</th>
<th>Inlet Pressure</th>
<th>Output Range (A)</th>
<th>Weight (kg)</th>
<th>Dimensions HxWxD (mm)</th>
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</thead>
<tbody>
<tr>
<td>Tomahawk® 1025</td>
<td>K12048-1</td>
<td>400V3Ph</td>
<td>60A/40%</td>
<td>25</td>
<td>Max. 12</td>
<td>130l/min</td>
<td>6.0 - 75 bar</td>
<td>20 - 60</td>
<td>22</td>
<td>389 x 247 x 489</td>
</tr>
<tr>
<td>Tomahawk® 1538</td>
<td>K12039-1</td>
<td></td>
<td>100A/40%</td>
<td>40</td>
<td>Max. 20</td>
<td>280l/min</td>
<td>6.0 - 25 bar</td>
<td>20 - 100</td>
<td>36</td>
<td>455 x 301 x 618</td>
</tr>
</tbody>
</table>

TOMAHAWK® 1025 & 1538
• Starting: innovative advanced arc starting without HF.
• Performance: innovative advanced electrode and nozzle design.
• Longer lifetime: innovative advanced design increases lifetime of consumables.
• Faster: higher travel speeds and plate thickness.
• Flexible: multiple torch configurations.
• Different materials: mild steel, stainless steel, aluminium and many more.
• Concentrated plasma stream: less heat input, less distortion.
• Torch Connection — central connector, 9-pin.
• Step less current control.
• Remote kit (optional) that allows the unit to receive an external ON-OFF trigger for mechanized processes (only for TH1538)

AS GOOD AS THE BEST IN CLASS, WITH PRICES FAR BELOW
### KEY OPTIONS

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Invertec® PC-210</th>
<th>Tomahawk® 1025</th>
<th>Tomahawk® 1538</th>
</tr>
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<tbody>
<tr>
<td>K12038-1</td>
<td>K12048-1</td>
<td>K12039-1</td>
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<tr>
<td>W88X1456A</td>
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<td>W8800117R</td>
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<td>●</td>
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<td>W0300699A</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<td>W0200002</td>
<td>●</td>
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<td>K2694-1</td>
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<tr>
<td>W05X1086A</td>
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<td>●</td>
<td>●</td>
</tr>
<tr>
<td>W03X0893-119A</td>
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### TORCHES

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Invertec® PC-210</th>
<th>Tomahawk® 1025</th>
<th>Tomahawk® 1538</th>
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<tbody>
<tr>
<td>K12038-1</td>
<td>K12048-1</td>
<td>K12039-1</td>
<td></td>
</tr>
<tr>
<td>PTH-C25A-SL-3MR</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>PTH-061A-CX-7M5A</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>PTH-061A-CX-15A</td>
<td>●</td>
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<td>●</td>
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<tr>
<td>PTM-061A-CX-7M5A</td>
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<tr>
<td>PTM-061A-CX-15A</td>
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<td>●</td>
</tr>
<tr>
<td>PTH-101A-CX-7M5A</td>
<td>●</td>
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<td>PTM-101A-CX-7M5A</td>
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<tr>
<td>PTM-101A-CX-15MA</td>
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</tbody>
</table>

### AIR FILTER LAF1250
Sub-micron filter for compressed air designed to remove moisture, oils and sprays particles from air compressors, thus providing clean, free of oil and dry air.

W88X1456A  
W8800117R (filter cartridge)

### BEVEL TOOL

W03X0893-119A

### CUTTING CIRCLES
(max diam. 820mm)

W0300699A
MODERN TORCH TECHNOLOGY

LC65 and LC105

– the new torches with longer life time (running cooler). More cutting thickness, higher speed, standard and grid cutting.

- NO HF
- Small electrode diameter
- High air-flow
- High speed rotating air
- Primary and secondary flow
- Concentrated plasma
- Long life electrodes and nozzles
- Torch Connection –central connector, 9-pin

For connection equipment /torch the Tomahawk are provided by CENTRAL CONNECTOR

FOR HIGHER TRAVEL SPEED AND LONGER LIFE TIME CONSUMABLES

LC105 torch design with drag cup

ALSO AVAILABLE: EXTENDED REACH CONSUMABLES
HELPFUL FOR CONFINED SPACES

CONTACT
OPTION 1
Convenient for the operator, simply drag the nozzle on the plate. Well protected nozzle.

STAND-OFF
OPTION 2
Maximum flexibility and visibility of the plasma stream.

GOUGE
OPTION 3
Allowing you to gouge different materials.

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PLASMA CUTTING RANGE
GOUGING WITH TOMAHAWK® 1025 & 1538

Plasma gouging was developed as a tool for weld removal and weld preparation. Back-gouging was used to remove metal from the reverse side of arc-welded joints to eliminate defects and improve strength. Weld defects such as cracks, porosity, and lack of fusion could be gouged out using a plasma torch and then repaired with a new, sound weld.

**TOMAHAWK 1025**
Gouging application with manual plasma torch LC65

- Material: Mild Steel
- Suggested speed: 90 cm/min
- Suggested torch inclination: 55° from vertical
- Suggested Air pressure: 4.0-4.5 bar
- Print on metal piece: 0.066 cm²
- Material removal capability: 6 cm³/min.

**TOMAHAWK 1538**
Gouging application with manual plasma torch LC105

- Material: Mild Steel
- Suggested speed: 90 cm/min
- Suggested torch inclination: 55° from vertical
- Suggested Air pressure: 4.0-4.5 bar
- Print on metal piece: 0.111 cm²
- Material removal capability: 10 cm³/min.

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10/12 mm

**LC 25 (Hand)**

<table>
<thead>
<tr>
<th>Part</th>
<th>Quantity</th>
<th>Reference</th>
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<tbody>
<tr>
<td>Electrode</td>
<td>10</td>
<td>W03X0893-75A</td>
</tr>
<tr>
<td>Gas distributor</td>
<td>3</td>
<td>W03X0893-5R</td>
</tr>
<tr>
<td>Tip</td>
<td>10</td>
<td>W03X0893-76A</td>
</tr>
<tr>
<td>Shield cap body</td>
<td>1</td>
<td>W03X0893-77A</td>
</tr>
<tr>
<td>Spacer</td>
<td>3</td>
<td>W03X0893-78R</td>
</tr>
</tbody>
</table>

**PLASMA-BOX LC25**
W03X0893-118A

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**PLASMA-CUTTING RANGE**
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LC 65 (Hand)

- LC 65 Hand 75M: PTH-061A-CX-7M5A
- LC 65 Hand 15M: PTH-061A-CX-15MA

LC 65

- Air cooled: 130 l/min@6,0 bar
- 60A@60%
- 25mm mild steel
- 30mm severance

- Electrode:
  - TIP: W03X0893-26A (40A) [contact]
  - RETAINING CAP: W03X0893-41A
  - SPACER: W03X0893-14R
  - SHIELD CUP
    - BODY: W03X0893-44A
    - GOUGING: W03X0893-43A
  - SHIELD CAP: W03X0893-46A
  - RETAINING CAP: W03X0893-44A
  - GASKET: W03X0893-50R
  - GAS DISTRIBUTOR: W03X0893-25A
  - SPACER: W03X0893-41A
  - TIP: W03X0893-50R
  - SHIELD CAP: W03X0893-43A
  - SPACER: W03X0893-14R
  - SHIELD CUP: W03X0893-44A

- Electrode Tip:
  - W03X0893-25A [contact, stand off, shielded & gouging]
  - W03X0893-33A [gouging]
  - W03X0893-39A [stainless]
  - W03X0893-40A [extended]
  - W03X0893-41A [contact]
  - W03X0893-42A [gouging]
  - W03X0893-43A [shielded]
  - W03X0893-44A [shielded]
  - W03X0893-45A [shielded]
  - W03X0893-50R [gouging]
  - W03X0893-51A [gouging]
  - W03X0893-52A [extended]
  - W03X0893-53A [extended]
  - W03X0893-54A [extended]
  - W03X0893-55A [extended]
  - W03X0893-56A [extended]

LC 65M (Machine)

- LC 65M Machine 75M: PTM-061A-CX-7M5A

LC 65M

- Air cooled:
  - 130 l/min@6,0 bar
  - 60A@60%
  - 25mm mild steel
  - 30mm severance

- Electrode:
  - TIP: W03X0893-25A
  - RETAINING CAP: W03X0893-50R
  - SPACER: W03X0893-14R
  - Nozzle:
    - BODY: W03X0893-43A
    - GOUGING: W03X0893-46A
  - Shield cap:
    - W03X0893-43A
    - W03X0893-46A

- Electrode Tip:
  - W03X0893-25A [contact]
  - W03X0893-33A [shielded]
  - W03X0893-34A [shielded]
  - W03X0893-40A [extended]
  - W03X0893-41A [contact]
  - W03X0893-42A [gouging]
  - W03X0893-44A [shielded]

Part | Quantity | Reference
--- | --- | ---
Electrode | 25 | W03X0893-25A
| 3 | W03X0893-26A
Gas distributor | 2 | W03X0893-50R
| 10 | W03X0893-29A
Tip | 5 | W03X0893-33A
| 3 | W03X0893-34A
| 3 | W03X0893-39A
| 3 | W03X0893-54A
Retaining cap | 1 | W03X0893-41A
| 1 | W03X0893-43A
| 1 | W03X0893-44A
| 1 | W03X0893-14R
| 1 | W03X0893-21A
| 1 | W03X0893-43A
| 1 | W03X0893-46A
| 1 | W03X0893-50R
| 1 | W03X0893-54A
| 1 | W03X0893-29A
| 1 | W03X0893-33A
| 1 | W03X0893-34A
| 1 | W03X0893-39A
| 1 | W03X0893-54A
| 1 | W03X0893-29A

PLASMA-BOX LC65

W03X0893-113A

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**40/45 mm**

### LC 105 (Hand)

- **LC 105 Hand 75M**
  - PTH-101A-CX-7M5A
- **LC 105 Hand 15M**
  - PTH-101A-CX-15MA

**Electrode**
- W03X0893-60A (shielded & gouging)
- W03X0893-70R

**GAS DISTRIBUTOR**
- W03X0893-57A (extended)

**Tip**
- W03X0893-61A (40A)
- W03X0893-62A (60A)
- W03X0893-63A (80A)
- W03X0893-64A (100A) (shielded)

**Shield Cup Body**
- W03X0893-65A (gouging)
- W03X0893-66A

**Shield Cap**
- W03X0893-67A
- W03X0893-69A
- W03X0893-74A

**Part** | **Quantity** | **Reference**
--- | --- | ---
Electrode | 20 | W03X0893-60A
Gas distributor | 3 | W03X0893-57A
Tip | 5 | W03X0893-62A
| 75 | W03X0893-64A
| 3 | W03X0893-73A
Shield cap body | 1 | W03X0893-66A
Shield cap | 1 | W03X0893-67A
| 1 | W03X0893-69A
| 1 | W03X0893-74A

- **PLASMA-BOX LC105**
  - W03X0893-115A

**Air cooled**
- 280 l/min@5,5 bar
- 100A@60%
- 40mm mild steel
- 45mm severance

### LC 105 (Machine)

- **LC 105M Machine 75M**
  - PTM-101A-CX-7M5A
- **LC 105M Machine 15M**
  - PTM-101A-CX-15MA

**Electrode**
- W03X0893-101A
- W03X0893-102A (40-80A)
- W03X0893-103A (100A)

**GAS DISTRIBUTOR**
- W03X0893-104A (40A)
- W03X0893-105A (80A)
- W03X0893-106A (80A)
- W03X0893-107A (100A)

**Tip**
- W03X0893-110A (OHMIC)
- W03X0893-111A (40-80A)
- W03X0893-112A (100A)

**Shield Cup Body**
- W03X0893-113A

**Shield Cap**
- W03X0893-114A
- W03X0893-115A
- W03X0893-116A
- W03X0893-117A

**Part** | **Quantity** | **Reference**
--- | --- | ---
Electrode | 20 | W03X0893-101A
Gas distributor | 2 | W03X0893-102A
| 5 | W03X0893-103A
| 5 | W03X0893-105A
| 3 | W03X0893-107A
Shield cap body | 1 | W03X0893-112A
Shield cap | 2 | W03X0893-110A
| 2 | W03X0893-111A
D-ring | 2 | -
Silicone lubricant for o-ring | 1 | -

- **PLASMA-BOX LC105M**
  - W03X0893-117A

**Air cooled**
- 280 l/min@5,5 bar
- 100A@60%
- 40mm mild steel
- 45mm severance
CUSTOMER ASSISTANCE POLICY

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