A complete range of installations for manual plasma cutting and gouging
The new range of plasma cutting equipment developed by SAF-FRO heralds a technological revolution in the field of compressed air plasma cutting for manual applications. Thanks to its user-comfort, speed and ease of use, these machines provide outstanding levels of industrial performance.

SAF-FRO and plasma cutting: tradition and passion
This range of portable, single and three phase plasma cutters have been designed to meet the needs of all industrial user applications. They are capable of high-quality cutting on all conductive metals in thicknesses of up to 50 mm. Every installation consists of a power source and a patented cutting torch, designed to offer excellent user comfort and optimum outputs.

Drag cutting
The direct contact between the cutting nozzle and the workpiece provides several benefits in comparison with the “distance cutting” method. This particular position allows most of the fume, spatter and arc radiation to be kept under the metal sheet thus protecting the operator. The result of a drag cut is very clean and the resulting kerf is a much narrower, superior precision quality cut. The drag cutting process is ideal up to 8 mm thickness in all applications where accuracy is important.

Plasma gouging
The plasma gouging process is performed with a standard plasma cutting torch changing only the nozzle, skirt and skate. Using the same principle of plasma cutting it allows metal to be removed in an efficient, precise and clean way. The benefits of the SAF-FRO gouging process are:
• reduced noise and fume compared with other thermal gouging methods,
• high metal removal rate (up to 12 kg / hour) with superior precision,
• reduced risk of carbon contamination compared with the arc gouging process,
• possibility to gouge ferrous and non-ferrous metals.

Distance cutting
Distance cutting makes full use of the generator power, thus increasing the depth of cut. It is also suitable for precision work due to the excellent view of the cutting arc.

Arc Plasma advantages
• Cutting of all metallic material conducting electricity
• Easy to use, it gives professional results from the first cut
• Faster than others cutting processes
• More accurate results.
## Comparison table

<table>
<thead>
<tr>
<th>Model</th>
<th>Built-in compressor</th>
<th>Numerical display</th>
<th>Plasma gouging</th>
<th>Automatic option</th>
<th>Quality cut</th>
<th>Duty cycle at 40 °C</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRESTOJET 1K</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>–</td>
<td>8 mm</td>
<td>30 A at 25%</td>
<td>16 kg</td>
</tr>
<tr>
<td>PRESTOJET 1</td>
<td>–</td>
<td>✓</td>
<td>–</td>
<td>–</td>
<td>8 mm</td>
<td>30 A at 35%</td>
<td>8 kg</td>
</tr>
<tr>
<td>PRESTOJET 2</td>
<td>–</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>20 mm</td>
<td>65 A at 50%</td>
<td>25 kg</td>
</tr>
<tr>
<td>PRESTOJET 4</td>
<td>–</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>40 mm</td>
<td>120 A at 60%</td>
<td>35 kg</td>
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<tr>
<td>PLASMAJET 2C</td>
<td>–</td>
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<td>–</td>
<td>–</td>
<td>25 mm</td>
<td>80 A at 40%</td>
<td>80 kg</td>
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<tr>
<td>PLASMAJET 4C</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>35 mm</td>
<td>120 A at 50%</td>
<td>125 kg</td>
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<tr>
<td>NERTAJET 50</td>
<td>–</td>
<td>–</td>
<td>✓</td>
<td>✓</td>
<td>50 mm</td>
<td>150 A at 100%</td>
<td>260 kg</td>
</tr>
</tbody>
</table>
4 - Plasma cutting
Portable equipment

PRESTOJET 1K - Torch CPT 800
The portable solution with built-in compressor for manual plasma cutting.

Features:
• 8 mm quality cut, 10 mm severance cut.
• Light and portable (16 kg).
• Input current < 12 A, can be used with a domestic plug.
• Digital display of parameters, friendly and easy interface.
• Built-in compressor: just plug and cut.
• Delivered ready to use.
• Cuts without earth clamp up to 1 mm.
• Can be used up to 15 m with 3 x 2.5 mm² & up to 30 m with 3 x 4 mm² on primary cable.

PRESTOJET 1K - Torch CPT 800

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>230 V 50-60 Hz - single phase</td>
</tr>
<tr>
<td>Primary consumption (I max)</td>
<td>14 A</td>
</tr>
<tr>
<td>Air pressure and flowrate</td>
<td>Built-in compressor</td>
</tr>
<tr>
<td>Duty cycle 10 min. cycle (at 40 °C)</td>
<td>30 A at 25%</td>
</tr>
<tr>
<td></td>
<td>20 A at 60%</td>
</tr>
<tr>
<td>Dimensions (L x l x h)</td>
<td>380 x 150 x 310 mm</td>
</tr>
<tr>
<td>Net weight</td>
<td>16 kg</td>
</tr>
<tr>
<td>Protection class</td>
<td>IP 23</td>
</tr>
</tbody>
</table>

To order PRESTOJET 1K
Installation ready to use including:
• 1 PRESTOJET 1K,
• Primary cable 3 m with Schuko plug,
• 1 torch CPT 800 4 m long,
• 1 earth cable with a clamp,
• 1 set of wear parts

Add-ons:
1 1 cutting compass
2 UNIVERSEL T10 gloves
3 Spectacles classic shade 5
4 LCD mask EUROLUX Advance 4500
5 Wear parts box CPT 800

To order TORCH
Air-cooled 4 m torch CPT 800
Torch body

Wear parts for drag cutting:
1 Electrode FL
2 Diffuser
3 Nozzle FL 0.65 (1 to 3 mm - 20 A)
4 Nozzle FL 0.8 (1 to 10 mm - 30 A)
5 Skirt TN
6 Skirt TI

Wear parts for angle cutting:
6 Electrode long
7 Nozzle long Ø 0.8 (1 to 8 mm - 30 A)
8 Wrench

Cutting capacity on carbon steel:
• Severance cut: 10 mm
• Quality cut: 8 mm
4 - Plasma cutting
Portable equipment

PRESTOJET 1 - Torch CPT 800
The high-tech portable solution for manual plasma cutting.

PRESTOJET 1 - Torch CPT 800
Features:
- Minimum weight, 8 kg, for a high performance, 8 mm quality cut, 10 mm severance cut.
- Great savings due to low current and air consumption. Reduction of operating cost.
- Reliable and strong: PRESTO "heavy industrial" design.
- Microprocessor control technology to improve the cutting quality.
- Digital display for easy, precise and repeatable regulation.
- Input current < 12 A, can be used with a domestic plug.
- Cuts without earth clamp up to 1 mm.
- Can be used up to 15 m with 3 x 2.5 mm² & up to 30 m with 3 x 4 mm² on primary cable.

Power supply 230 V 50-60 Hz - single phase
Primary consumption (I max) 14 A
Air pressure and flowrate -
Duty cycle 10 min. cycle (at 40 °C) 30 A at 35% 25 A at 60% 20 A at 100%
Dimensions (L x l x h) 380 x 150 x 310 mm
Net weight 8 kg
Protection class IP 23

To order
Installation ready to use including:
- 1 PRESTOJET 1,
- Primary cable 3 m with Schuko plug,
- 1 torch CPT 800 4 m long,
- 1 earth cable with a clamp,
- 1 set of wear parts

Pre-Order Code: W000277620

Add-ons:
1 cutting compass W000302512
UNIVERSEL T10 gloves W000010417
Spectacles classic shade 5 W000011055
LCD mask EUROLUX Advance 4500 W000372465
Wear parts box CPT 800 W000277610

To order
Air-cooled 4 m torch CPT 800 W000275097
Torch body W000274860

Wear parts for drag cutting:
1 Electrode FL W000274224
2 Diffuser W000274266
3 Nozzle FL 0.65 (1 to 3 mm - 20 A) W000274969
3 Nozzle FL 0.8 (1 to 10 mm - 30 A) W000274265
4 Skirt TN W000274226
5 Skirt TI W000274225

Wear parts for angle cutting:
6 Electrode long W000278629
7 Nozzle long Ø 0.8 (1 to 8 mm - 30 A) W000278628
8 Wrench W000274862

Cutting capacity on carbon steel:
- Severance cut: 10 mm
- Quality cut: 8 mm
PRESTOJET 2 - Torch JET CP 2.5

**Features:**
- Unequalled quality cut on 20 mm thickness.
- Easy to use and powerful.
- Digital parameter display.
- 3 cutting modes: cutting - grid - gouging.
- Generator compatible.
- Automatic restart.
- Arc striking without HF.
- Autolink system (207-440 V three-phase).
- Automatic setting of power supply.

### Power supply
- **230 / 400 V Autolink**
- 50-60 Hz ±10% three phase

### Primary consumption (I max)
- 20.9 - 20.6 A

### Air pressure and flowrate
- 5.5 bars - 180 l/min.

### Duty cycle
- 10 min. cycle (at 40 °C)
  - 65 A at 50%
  - 50 A at 100%

### Dimensions (L x l x h)
- 433 x 235 x 380 mm

### Net weight
- 25 kg

### Protection class
- IP 23

## To order
**Installation ready to use including:**
- 1 PRESTOJET 2,
- Primary cable 6 m,
- 1 torch JET CP 2.5 - 5 m long,
- 1 earth cable with a clamp,
- 1 set of wear parts

**W000272670**

### Add-ons:
- 1 cutting compass
  - W000302512
- UNIVERSEL T10 gloves
  - W000010417
- LCD mask EUROLUX Advance 4500
  - W000372465
- Wear parts box JET CP 2.5
  - W000277614

## To order
**TORCH**
- Air cooled torch JET CP 2.5 - 5 m
  - W000302639
- Air cooled torch JET CP 2.5 - 12 m
  - W000302640
- Torch body
  - W000266529

### Wear parts for drag cutting (1 to 8 mm)
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Electrode FL</td>
</tr>
<tr>
<td>2</td>
<td>Nozzle L 0.65 (1 to 3 mm - 20 A)</td>
</tr>
<tr>
<td></td>
<td>Nozzle L 0.8 (1 to 5 mm - 30 A)</td>
</tr>
<tr>
<td></td>
<td>Nozzle L 1.0 (1 to 6 mm - 40 A)</td>
</tr>
<tr>
<td></td>
<td>Nozzle L 1.2 (1 to 8 mm - 50 A)</td>
</tr>
<tr>
<td>3</td>
<td>Skirt TN</td>
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</table>

**W000302575**

### Wear parts for distance cutting (1 to 15 mm)
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<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Electrode FL</td>
</tr>
<tr>
<td>2</td>
<td>Nozzle L 1.0 (1 to 10 mm - 30 A)</td>
</tr>
<tr>
<td></td>
<td>Nozzle L 1.2 (1 to 15 mm - 50 A)</td>
</tr>
<tr>
<td>3</td>
<td>Skirt TI</td>
</tr>
</tbody>
</table>

**W000302575**

### Wear parts for distance cutting 1 to 20 mm
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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<tbody>
<tr>
<td>8</td>
<td>Electrode C</td>
</tr>
<tr>
<td>9</td>
<td>Nozzle C 1.0 (1 to 10 mm - 30 A)</td>
</tr>
<tr>
<td></td>
<td>Nozzle C 1.2 (1 to 20 mm - 65 A)</td>
</tr>
<tr>
<td>3</td>
<td>Skirt TN</td>
</tr>
<tr>
<td>4</td>
<td>Skirt TI</td>
</tr>
<tr>
<td>7</td>
<td>Skate</td>
</tr>
</tbody>
</table>

**W000302575**

### Wear parts for gouging
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>Electrode L</td>
</tr>
<tr>
<td>9</td>
<td>Nozzle G 2.0</td>
</tr>
<tr>
<td>3</td>
<td>Skirt TN</td>
</tr>
<tr>
<td>10</td>
<td>Skate for gouging</td>
</tr>
</tbody>
</table>

**W000302575**

### Cutting capacity on carbon steel:
- Severance cut: 25 mm
- Quality cut: 20 mm
PRESTOJET 4 - Torch JET CP 4.5

Features:
- Superior quality cut up to 35 mm.
- Compact design.
- Gouging position.
- Automatic re-start.
- Automatic version.
- Digital display and control of the parameters.
- 3 cutting modes: cutting - grid - gouging.

PRESTOJET 4

- Power supply: 400 V 50/60 Hz ±15% three phase
- Primary consumption (I max): 40.3 A
- Air pressure and flowrate: 5.5 bars - 180 l/min.
- Duty cycle: 120 A at 60% / 100 A at 100%
- Dimensions (L x l x h): 720 x 235 x 380 mm
- Net weight: 35 kg
- Protection class: IP 23

To order

Installation ready to use including:
- 1 PRESTOJET 4,
- Primary cable 6 m,
- 1 torch JET CP 4.5 - 6 m long,
- 1 earth cable with a clamp,
- 1 set of wear parts

Add-ons:
- 1 cutting compass
- Trolley
- UNIVERSEL T10 gloves
- LCD mask EUROLUX Advance 4500
- Wear parts box JET CP 4.5

Wear parts for drag cutting (1 to 8 mm)
- Electrode FL
- Nozzle L 0.65 (1 to 3 mm - 20 A)
- Nozzle L 0.8 (1 to 4 mm - 30 A)
- Nozzle L 1.0 (1 to 6 mm - 40 A)
- Nozzle L 1.2 (1 to 8 mm - 60 A)

Wear parts for distance cutting (1 to 40 mm)
- Electrode C
- Nozzle C 1.0 (1 to 10 mm - 40 A)
- Nozzle C 1.2 (1 to 15 mm - 60 A)
- Nozzle C 1.4 (1 to 25 mm - 85 A)
- Nozzle C 1.6 (1 to 40 mm - 120 A)

Wear parts for gouging
- Electrode L
- Nozzle G 2.2
- Skirt for gouging
- Skate for gouging

PRESTOJET 4 auto - Torch OCP100 - 15 m
PLASMAJET 2C - Torch JET CP 4.0 Central

Features:
- Powerful: 80 A with 40% at 40 °C duty cycle.
- 3 steps to simplify the selection of the desired current according to the thickness to be cut.
- Maximum quality and safety with the patented torch.
- Drag cutting up to 8 mm for maximum quality.
- Delivered ready to use.
- IP 23 for use on open sites.
- 4 wheels and a strong design for intensive industrial use.
- Central connector for easy connection.

Cutting capacity on carbon steel:
- Severance cut: 30 mm
- Quality cut: 25 mm

Power supply
- 220 V / 230 V / 380 V / 400 V (+/- 10%)
- 50/60 Hz three phase

Primary consumption (I max)
- 49 / 47 A
- 28.5 / 27 A

Air pressure and flowrate
- 5 bars - 180 l/min.

Duty cycle
- 10 min. cycle (at 40 °C)
- 80 A at 40%
- 50 A at 80%
- 30 A at 100%

Dimensions (L x l x h)
- 500 x 855 x 755 mm

Net weight
- 80 kg

Protection class
- IP 23
4 - Plasma cutting
Equipment for workshop applications

PLASMAJET 4C -
Torch JET CP 4.0 Central
Quality work with high accuracy.

**Features:**
- High cutting capacity: 40 mm with 120 A.
- High duty cycle: 50% at 40 °C.
- 4 steps for current setting according to the thickness to be cut.
- IP 23 for workshop and on-site applications.
- High quality cut with drag cutting nozzles.
- Delivered ready to use with 6 m torch, air hose, primary cable, earth cable, starting set of wear parts.
- Central connector for easy connection.

**PLASMAJET 4C - Torch JET CP 4.0 Central**

**Power supply:**
- 220 V / 230 V / 380 V / 400 V (+/- 10%)
- 50/60 Hz three phase

**Primary consumption (I max):**
- 74 / 71 A
- 42 / 40 A

**Air pressure and flowrate:**
- 5.5 bars - 220 l/min.

**Duty cycle:**
- 10 min. cycle (at 40 °C)
  - 120 A at 50%
  - 85 A at 75%
  - 50 A at 100%

**Dimensions (L x l x h):**
- 500 x 855 x 755 mm

**Net weight:**
- 125 kg

**Protection class:**
- IP 23

**To order:**
- Installation ready to use including:
  - 1 PLASMAJET 4C
  - Primary cable 6 m,
  - 1 torch JET CP 4.0 Central 6 m long,
  - 1 earth cable with a clamp,
  - 1 set of wear parts.

**Add-ons:**
- 1 cutting compass
- UNIVERSEL T10 gloves
- LCD mask EUROLUX Advance 4500
- Wear parts box JET CP 4.0

**To order**
- TORCH
  - Air cooled torch
    - JET CP 4.0 Central - 6 m
    - W000274854
  - Air cooled torch
    - JET CP 4.0 Central - 15 m
    - W000274855
  - Torch body
    - W000266534

**Wear parts for drag cutting (1 to 10 mm):**
- Electrode FL
  - W000302575
- Nozzle L 0.65 (1 to 5 mm - 25 A)
  - W000302623
- Nozzle L 0.8 (3 to 6 mm - 35 A)
  - W000302569
- Nozzle L 1.0 (5 to 8 mm - 40 A)
  - W000302567
- Nozzle L 1.2 (6 to 10 mm - 50 A)
  - W000302568
- Skirt for drag cutting
  - W000302668

**Wear parts for distance cutting (1 to 40 mm):**
- Electrode C
  - W000302576
- Nozzle C 1.0 (1 to 10 mm - 35 A)
  - W000302571
- Nozzle C 1.2 (3 to 15 mm - 50 A)
  - W000302572
- Nozzle C 1.4 (5 to 25 mm - 65 A)
  - W000302524
- Nozzle C 1.8 (8 to 35 mm - 120 A)
  - W000302669
- Skirt for distance cutting
  - W000302667
- Skate for distance cutting
  - W000302666
- Skirt with crenels
  - W000271310
- Conical skirt (beveling skirt)
  - W000274878
- Wrench
  - W000302578
4 - Plasma cutting

Equipment for workshop applications

NERTAJET 50 - Torch Z 5.0
Quality work with high accuracy.

Features:
- Three-phase multivoltage.
- Heavy duty applications.
- 100% duty cycle.
- Cuts stainless steels and aluminium alloys with Ar/H2 up to 50 mm thick.
- Plasma gouging.
- Can also be used with assistance gas for improved quality cutting of large thicknesses.
- Manual and automatic applications.

NERTAJET 50 - Torch Z 5.0

<table>
<thead>
<tr>
<th>NERTAJET 50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
</tr>
<tr>
<td></td>
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<td>Primary consumption (I max)</td>
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<tr>
<td>Air pressure and flowrate</td>
</tr>
<tr>
<td>Duty cycle 10 min. cycle (at 40 °C)</td>
</tr>
<tr>
<td>Dimensions (L x l x h)</td>
</tr>
<tr>
<td>Net weight</td>
</tr>
<tr>
<td>Protection class</td>
</tr>
</tbody>
</table>

To order

1 NERTAJET 50  
W000305077

Installation ready to use:

Installation pack air:
NERTAJET 50 with 6 m long torch  
W000305078

Installation pack Ar/H2 - N2:
NERTAJET 50 with 6 m long torch  
W000305079

Add-ons:
- 1 cutting compass  
W000302512
- UNIVERSEL T10 gloves  
W000010417
- LCD mask EUROLUX Advance 4500  
W000372465
- Wear parts box Air  
W000302564
- Wear parts box Ar/H2 - N2  
W000302565

To order

TORCH

Water cooled torch Z 5.0 - 6 m  
W000302580

Water cooled torch Z 5.0 - 15 m  
W000302581

Torch body  
W000302513

Wear parts for distance cutting
1 Immersion tube  
W000138241
2 Electrode Air  
W000325063
3 Electrode N2  
W000325064
4 Electrode Ar / H2  
W000325065
5 Nozzle Air, N2, AR/H2  
| 40 A | 1.0 |
| 60 A | 1.2 |
| 100 A | 1.6 |
| 150 A | 1.8 |

6 Skirt P flat  
W000302516
7 Skate  
W000302577

Wear parts for gouging
1 Immersion tube  
W000138241
2 Electrode Air  
W000325063
3 Electrode N2  
W000325064
4 Electrode Ar / H2  
W000325065
8 Nozzle for gouging  
W000302515
9 Skirt C conical  
W000302517

10 Wrench for electrode  
W000138242
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Gedung Kawan Lama
Jl. Puri Kencana No. 1, Meruya - Kembangan
Jakarta 11610
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