

# PLASMASTER 180 Plasma Gas Cutting System



The **PLASMASTER 180** is a rugged, heavy duty plasma gas cutting system designed for high speed cutting of most metals up to 50mm (2 inches).

A complete **PLASMASTER 180** System includes the following:

- Power Supply with integrated Torch cooling system.
- Mains trailing cable (10m).
- 'Trafimet' PW 180 hand-held or machine torch option.
- Gas Pressure Regulator.
- Remote-control START / STOP unit.
- Earth lead (10m).
- Wheels and push-handles for ease of mobility.

The **PLASMASTER 180** contains no electronic circuit boards, thus ensuring that down-time is kept to an absolute minimum. All components used in the control circuit are either locally manufactured or readily available from more than one supplier.

Easy-to-read indicator and diagnostic lights monitor the status of internal temperatures, coolant flow, plasma and shield gas pressures, greatly simplifying operation and troubleshooting.

## Specifications

POWER SUPPLY	
Input Voltage	380 / 400 / 525VAC, 50 / 60Hz, 3 Phase (other voltages available on request)
Output	180 Amps DC @ 120V
Control Circuit	24VAC (Coolant and Gas)
HF Pilot Arc Ignition Unit	24VAC
Fans & Coolant Pump	220VAC
Duty Cycle	100% @ 180A
Rated Power	55KW
GAS SUPPLY	
Cutting Gas	Pressure controlled by Regulator
PANEL CONTROLS / INDICATORS	
Power (Off / High / Low) switch and indicator, READY lamp indicator, Remote Control socket and indicator, 'Trafimet' patented safety Torch coupler, Coolant couplers, Gas pressure gauge.	
WEIGHT & DIMENSIONS	
Dimensions (L x W x H)	125 (cm) x 70 (cm) x 100 (cm)
Weight (excl. torch)	350 kg (approx.)



# PLASMASTER 180 Plasma Gas Cutting System

## Cutting Capacity

---

The **PLASMASTER 180** is designed for high speed cutting of most metals ranging from 1.6mm to a maximum of 50mm (2 inches)

## Gases

---

The **PLASMASTER 180** is a single compressed air (3 – 5 bar) system allowing for optimum results on all metals and in all conditions. (Mixed gases option available on request)

## Torch

---

The **PLASMASTER 180** is supplied with either the 'Trafimet' PW 180 hand-held or PW 180 P machine torch as standard. The water-cooled torch provides maximum cooling which greatly extends the consumable parts life and produces fast, high quality cuts with low operating expense.

(NOTE: Contact your distributor for information regarding other types of cutting torches)

## Serviceability

---

Due to the fact that the **PLASMASTER 180** contains no electronic circuit boards, nearly all maintenance and repairs can be performed by qualified electricians.

Internal components are either manufactured in-house, or sourced from reputed international suppliers. As a result, spare parts are freely available, and can either be obtained from us, or sourced directly from our suppliers.

## Proudly made in South Africa

---

The **PLASMASTER 180** is proudly designed and manufactured in South Africa.

The biggest challenge faced by local companies when operating plasma-cutters, is down-time and sourcing of spare parts. By over-designing and by only using freely available components in our machines, we have produced a plasma-cutter that is not only *Proudly South African made*, but also *Perfectly Suited for South African Conditions*. Our machines are in use in remote installations throughout South Africa and abroad.

(NOTE: References are available on request.)

Please contact:

