

## CUTMASTER™ 38

Industrial

CUT  
16mm30  
AMP1  
PHASE240  
V

## SPECIFICATIONS

**SUPPLY VOLTAGE:**  
240 volt 1 phase 50/60Hz

**SUPPLY LEAD:**  
16amps

**DUTY CYCLE:**  
35% @ 30 amps output

## PANEL CONTROLS:

On/Off Switch RUN/SET Switch  
20-30 amp variable control

**PANEL INDICATORS:**  
AC Power, Over Temperature, Gas, DC Power

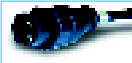
**COMMERCIAL CUT:**  
12.7mm steel, stainless steel, aluminium

## SEVERANCE:

16mm  
**PIERCE CAPACITY:**  
6.4mm  
**AIR PRESSURE:**  
460kPa

## AIR FLOW:

142 lpm  
**PACKED WEIGHT:**  
24kg  
**POWER SOURCE DIMENSIONS:**  
H400mm x W254mm x D533mm

NEW  
2ND QUARTER  
2004with ATC™  
connection

Thermal Dynamics® introduces CUTMASTER™ 38 and a new standard of excellence in metal cutting. CUTMASTER™ 38 combines the reliability and rugged construction of the CUTMASTER™ power supply design with the new, high performance 1Torch™ plasma torch to create a new standard of performance for the thin gauge to 12.7mm metal cutting world. In the Thermal Dynamics tradition of quality and innovation, CUTMASTER™ 38 offers the features required for high performance plasma cutting. The new 1Torch™ design brings a new standard of cut quality and durability demanded by metal fabrication professionals.

## Features:

- ▲ Rugged power source design
- ▲ ATC™ Advanced Torch Connection
- ▲ Supplied with 1Torch SureLok Technology
- ▲ Initiates pilot arc without HF
- ▲ Excellent cut speeds & unsurpassed cut quality
- ▲ Auto pilot restart for easy cutting on metal mesh
- ▲ Protective interlock circuit saves torch parts
- ▲ High visibility shield cup
- ▲ MaximumLife™ electrode improved parts life
- ▲ Ergonomic torch handle for comfort & control

## CUTMASTER™ 38 Plant Contents:

CUTMASTER™ 38 power source, 1Torch™ SL60™ (6M), work lead (6M), Built-in regulator, Spare parts kit, Operating Manual

## Ordering Information:

**CUTMASTER™ 38 Plant** Part No. OTD1/4620  
**1Torch™SL60™ with 6M lead** Part No. OTD7/5204

## Optional Accessories:

Circle Cutting Guide Part No. OTD7/3291  
Roller & Radius Cutting Guide Part No. OTD7/7501

## Plasma Torch Consumables:

DESCRIPTION	PART No.
Electrode, MaximumLife™	OTD9/8215
Tip 20A, Drag	OTD9/8205
Tip 30A, Drag	OTD9/8206
Shield Cup	OTD9/8218

## Plasma Torch Spare Parts:

DESCRIPTION	PART No.
Torch Head with O-rings	OTD9/8219
O-ring Torch Head (large)	OTD8/3487
O-ring Torch Head (small)	OTD8/3486
Starter Cartridge	OTD9/8213

## CUTMASTER™ 81

Industrial

CUT  
32mm60  
AMP3  
PHASE415  
V

## SPECIFICATIONS

**SUPPLY VOLTAGE:**  
415 volt 3 phase 50Hz

**SUPPLY LEAD:**  
16amps

**DUTY CYCLE:**  
50% @ 60 amps output

## PANEL CONTROLS:

On/Off Switch, RUN/SET Switch  
20-60 amp variable control

**PANEL INDICATORS:**  
AC Power, Over Temperature, Gas, DC Power

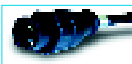
**COMMERCIAL CUT:**  
25.4mm steel, stainless steel, aluminium

## SEVERANCE:

32mm  
**PIERCE CAPACITY:**  
12.7mm  
**AIR PRESSURE:**  
480kPa

## AIR FLOW:

190 lpm  
**PACKED WEIGHT:**  
45kg  
**POWER SOURCE DIMENSIONS:**  
H439mm x W315mm x D696mm

NEW  
2ND QUARTER  
2004with ATC™  
connection

Thermal Dynamics® introduces CUTMASTER™ 81 and a new standard of excellence in metal cutting. CUTMASTER™ 81 combines the reliability and rugged construction of the CUTMASTER™ power supply design with the new, high performance 1Torch™ plasma torch to create a new standard of performance for the thin gauge to 25.4mm metal cutting world. In the Thermal Dynamics tradition of quality and innovation, CUTMASTER™ 81 offers the features required for high performance plasma cutting. The new 1Torch™ design brings a new standard of cut quality and durability demanded by metal fabrication professionals.

## Features:

- ▲ Rugged power source design
- ▲ ATC™ Advanced Torch Connection
- ▲ Supplied with 1Torch SureLok Technology
- ▲ Initiates pilot arc without HF
- ▲ Excellent cut speeds & unsurpassed cut quality
- ▲ Auto pilot restart for easy cutting on metal mesh
- ▲ Protective interlock circuit saves torch parts
- ▲ High visibility shield cup
- ▲ MaximumLife™ electrode improved parts life
- ▲ Ergonomic torch handle for comfort & control

## CUTMASTER™ 81 Plant Contents:

CUTMASTER™ 81 power source, 1Torch™ SL60™ (6M), work lead (6M), Built-in regulator, Spare parts kit, Operating Manual

## Ordering Information:

**CUTMASTER™ 81 Plant** Part No. OTD1/1120/4  
**1Torch™SL60™ with 6M lead** Part No. OTD7/5204

## Optional Accessories:

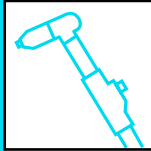
Circle Cutting Guide Part No. OTD7/3291  
Roller & Radius Cutting Guide Part No. OTD7/7501

## Plasma Torch Consumables:

DESCRIPTION	PART No.
Electrode, MaximumLife™	OTD9/8215
Tip 20A, Drag	OTD9/8205
Tip 30A, Drag	OTD9/8206
Tip 40A Drag	OTD9/8207
Tip, 40A, Cutting	OTD9/8208
Tip, 50/55A, Cutting	OTD9/8209
Tip, 60A, Cutting	OTD9/8210
Tip, 40A, Gouging, shallow	OTD9/8225
Tip, 40-100A, Gouging, deep	OTD9/8226
Shield Cup	OTD9/8218
Shield Cup Body	OTD9/8237
Shield Cap, Drag, 50-60A	OTD9/8235
Shield Cap, Deflector	OTD9/8243
Shield Cap, Gouging	OTD9/8241

## Plasma Torch Spare Parts:

DESCRIPTION	PART No.
Torch Head with O-rings	OTD9/8219
O-ring Torch Head (large)	OTD8/3487
O-ring Torch Head (small)	OTD8/3486
Starter Cartridge	OTD9/8213



## AP70 AIR PLASMA

Industrial

CUT  
32mm70  
AMP3  
PHASE415  
V

## SPECIFICATIONS

## SUPPLY VOLTAGE:

415 volt 3 phase 50Hz

## SUPPLY LEAD:

16amps

## DUTY CYCLE:

50% @ 70 amps output

## PANEL CONTROLS:

Off Switch, Pressure gauge

Two cutting positions

## PANEL INDICATORS:

AC Power, Over Temperature, Gas

## COMMERCIAL CUT:

25.4mm steel, stainless steel, aluminium

## SEVERANCE:

32mm

## PIERCE CAPACITY:

12.7mm

## AIR PRESSURE:

480kPa

## AIR FLOW:

190 lpm

## PACKED WEIGHT:

83.5kg

## POWER SOURCE DIMENSIONS:

H665mm x W350mm x D690mm

NEW  
2ND QUARTER  
2004
**1Torch™**  
with MaximumLife™ Technology


The AP70 Air Plasma is a conventional, robust, high duty cycle plasma cutter. The AP70 combines reliability and rugged construction with the new high performance 1Torch™ to create a new standard of performance, cut quality, durability and parts life demanded by metal fabrication professionals.

## Features:

- ▲ Rugged power source design
- ▲ Wheeling kit included
- ▲ Supplied with 1Torch SureLok Technology
- ▲ Initiates pilot arc without HF
- ▲ Excellent cut speeds & unsurpassed cut quality
- ▲ Protective interlock circuit saves torch parts
- ▲ High visibility shield cup
- ▲ MaximumLife™ electrode improved parts life
- ▲ Ergonomic torch handle for comfort & control

## AP70 AIR PLASMA Plant Contents:

AP70 AIR PLASMA power source, 1Torch™ SL60™ (6M), work lead (6M), Built-in regulator, Spare parts kit, Operating Manual

## Ordering Information:

AP70 AIR PLASMA Plant

Part No. 661541

1Torch™SL60™ with 6M lead

Part No. OTD7/5200

## Optional Accessories:

Circle Cutting Guide

Part No. OTD7/3291

Roller &amp; Radius Cutting Guide

Part No. OTD7/7501

## Plasma Torch Consumables:

DESCRIPTION	PART No.
Electrode, MaximumLife™	OTD9/8215
Tip 20A, Drag	OTD9/8205
Tip 30A, Drag	OTD9/8206
Tip 40A Drag	OTD9/8207
Tip, 40A, Cutting	OTD9/8208
Tip, 50/55A, Cutting	OTD9/8209
Tip, 60A, Cutting	OTD9/8210
Tip, 70A, Cutting	OTD9/8231
Tip, 40A, Gouging, shallow	OTD9/8225
Tip, 40-100A, Gouging, deep	OTD9/8226
Shield Cup	OTD9/8218
Shield Cup Body	OTD9/8237
Shield Cap, Drag, 50-60A	OTD9/8235
Shield Cap, Deflector	OTD9/8243
Shield Cap, Gouging	OTD9/8241

## Plasma Torch Spare Parts:

DESCRIPTION	PART No.
Torch Head with O-rings	OTD9/8219
O-ring Torch Head (large)	OTD8/3487
O-ring Torch Head (small)	OTD8/3486
Starter Cartridge	OTD9/8213