



# HANDYPLASMA

MANUAL PLASMA CUTTING MADE EASY.



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After two long years of development, the HandyPlasma has finally arrived - a light and portable hand-held plasma cutting machine, weighing only 13.5kg (including the torch), with a 220V 50/60Hz single phase power supply.

The interface not only incorporates the latest technology in a colour LCD panel, but also simplifies every cutting setup. With a single knob, the operator can select each function to meet any need.

Available in two models.

## MANUAL PLASMA CUTTING MADE EASY.

HandyPlasma is the introductory manual plasma cutter that is powerful enough to handle tough cutting jobs without dealing with complicated set-up and operation. Cut through mild steel, stainless steel or aluminium grates and plates with ease. Available in two versions to meet your required thickness level:

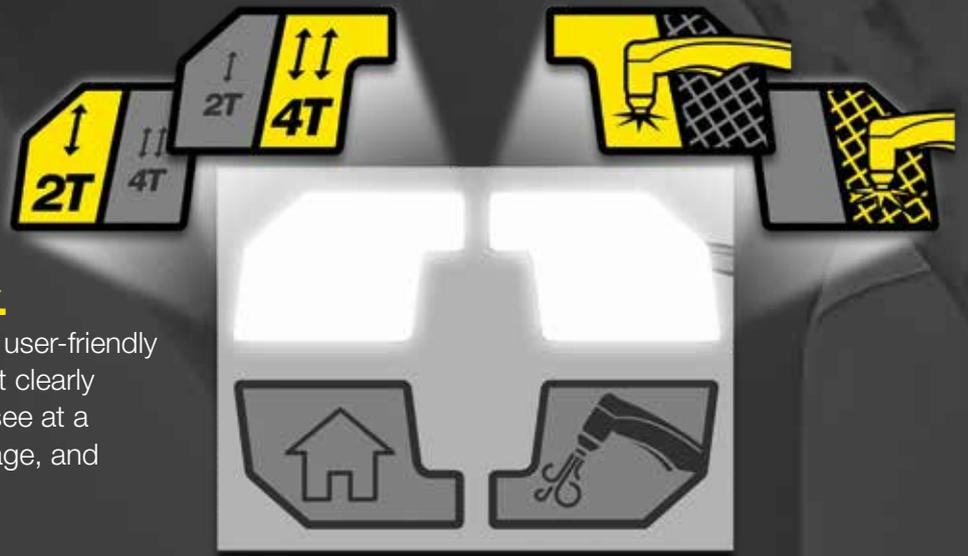
### HandyPlasma 35i

Recommended cut - 12 mm  
Maximum cut - 16 mm

### HandyPlasma 45i

Recommended cut - 15 mm  
Maximum cut - 24 mm





### INTUITIVE LCD DISPLAY.

The HandyPlasma panel is totally user-friendly with a 2.8" color LCD screen, that clearly displays all settings you need to see at a glance - cutting mode, input voltage, and input air pressure.



### ALL IN ONE KNOB.

Complete with the functions necessary for any cutting job, HandyPlasma cutting machine is simple and quick to set up with just one knob:

- 1** Select the desired mode for torch control,  
2T - On/Off  
4T - Lock-on
- 2** "Select "grate" or "plate" depending on the material you'll be cutting - there is a specific setting for each!
- 3** You are ready to start cutting!

### AIR REGULATOR.

The HandyPlasma comes with an automatic internal regulator that manages the air passing through the torch. It is not necessary to adjust the gas – the machine automatically detects the inlet and outlet pressure. It comes with an external air filter with a purge valve for removing excess oil in the compressed air.

### CONSUMABLES.

A complete line of consumables has been specially developed to take advantage of the full potential of the HandyPlasma and keep it always ready for work.

### TORCH INCLUDED.

The HandyPlasma comes ready to use, with a 60A torch and a five metre lead. This ergonomic torch features a trigger lock for greater safety and a choice of 2T/4T function on the machine panel.

The automatic system purges gas after cutting, increasing the life of the consumables.



## PACKAGE CONTENTS

- Plasma Power Source HandyPlasma 35i or 45i
- Handy Torch 60A Plasma Torch
- Work Cable and Clamp
- Wrench for Air Filter
- 1x 6 mm Nitto Air Line Connector
- Shoulder Strap
- Operating Manual  
(Power Source and Plasma Torch)



SPECIFICATIONS	HandyPlasma 35i	HandyPlasma 45i
Mild Steel Clean Cut	12 mm	16 mm
Mild Steel Severance	16 mm	24 mm
Stainless Clean Cut	10 mm	12 mm
Aluminium Clean Cut	8 mm	10 mm
Piercing Capacity	6 mm	10 mm
Input Power	240V, 1 ph, PFC, 10A	240V, 1 ph, PFC, 15A
Duty Cycle	35 A @ 35%	45A @ 35%
Input Air Required	7.3 Bar, 110 l/min	7.3 Bar, 110 l/min
Generator Required	8 kVA	9 kVA
Dimensions L x W x H	415 x 176 x 324 mm	415 x 176 x 324 mm
Weight	11.8 kg	11.8 kg

ORDERING INFORMATION	
HandyPlasma 35i System Package	0559160135
HandyPlasma 45i System Package	0559160145
HandyPlasma 60A Plasma Torch	0559337000
Plasma Cutting Tip 35A (5 pcs)	0559337001
Plasma Cutting Tip 45A (5 pcs)	0559337002
Electrode (5 pcs)	0559337003
Plasma Standoff Guide	0559337004
Plasma Shield Cup	0559337005
Plasma O-Ring	0559337006
Plasma Torch Gas Diffuser	0559337007
Inline Air Filter	0559337039
Plasma Filter Cartridge	0559337040
Circle Cutting Guide	0559337041

## TACKLE PLASMA WITH EASE.

Take advantage of plasma cutting without the complications at:  
[esab.com/handyplasma](http://esab.com/handyplasma).



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