



CUTMASTER 50+

Genuine cutting and pierce capacity: 16mm
Regular hand cutting capacity: 25mm
Maximum severance cut capacity: 32mm



THE TOTAL PORTABLE PLASMA CUTTING PACKAGE



Cutmaster 50+ is the perfect combination of power and portability for hand-held plasma cutting machines. Plus means more, so we've added a user-friendly 4.3in. TFT LCD screen and we've also upgraded the power of the machine to provide more control and flexibility so you can master any genuine cutting with ease to 16mm, regular hand cutting to 25mm and occasional severance cutting to 32mm. Together with the SL60 1Torch, it all adds up to the total plasma cutting package.

FEATURES

- Portable and durable with three handles and lightweight industrial all-weather housing
- Bright 4.3in. TFT LCD display with glove-friendly adjustment knob simplifies use and provides greater control and flexibility
- Input 400/415V 3-phase power
- Comes with industrial SL60 1Torch featuring 2T/4T function, safety trigger lock, and double-tap trigger to conserve bottled air
- Switch between normal and mesh cutting modes
- Post-cut air purge to expand consumable life
- Duty cycle: 60% @ 50A; 100% @ 40A
- Cutmaster Black Series consumables included for up to 60% longer life
- Industry leading 3-year warranty on power supply and 1-year warranty on torch and leads
- CNC functionality with pre-installed 14 pin CPC receptacle and voltage divider which allows: 1. Start/Stop 2. OK to Move 3. Divided arc voltage (ratio 20:1, 30:1, 40:1, 50:1, 80:1)

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INDUSTRY

- Industrial and General Fabrication
- Industrial Production & Manufacturing
- Automotive Bodies
- Shipbuilding
- Agricultural Equipment
- Earthmoving Fabrication
- Repair and Maintenance
- Pipelines
- Training Schools



Simple and intuitive TFT LCD panel

SPECIFICATIONS

Amperage Output	15 – 50A, continuously adjustable
Recommended Generator Size	12kW (or higher)
Genuine Cutting & Pierce Capacity	16mm*
Regular Hand Cutting Capacity	25mm*
Maximum Severance Cut Capacity	32mm*
Input Voltage	400VAC +/- 15%, 50/60Hz, 3ph
Rated Duty Cycle @ 40°C	60% @ 50A 100% @ 40A
Recommended Circuit Breaker Size (at Maximum Cut Capacity)	25A
Amperage Draw (at Maximum Cut Capacity)	15.5A
Input Power Cable	3m, 4.0mm ² without plug
Work Lead with Ground Clamp	3m 10mm ² work cable with 25mm ² connection
Gas Requirements	Compressed air (Clean & Dry)
Operating Temperature Range	-10°C to + 50°C
Compressed Air Pressure Requirement	90 – 125psi (6.2 – 8.6bar) (0.62 – 0.86Mpa)
Compressed Air Flow Requirement	142 – 235 l/min
SL60 Torch Duty Cycle	100% @ 60A with 165 l/min air flow
Torches – for use with Cutmaster 50+	SL60 Torch (supplied)
Enclosure Class	IP23S
Certifications	CE, RCM
Dimensions L x W x H	465mm x 200mm x 315mm
Weight	16kg

*Cutting capacity data based on mild steel

ORDERING INFORMATION

ESAB Cutmaster 50+, 400V 3ph	0559150006
Plant Contents Cutmaster 50+ power supply, SL60 75° torch and lead 5m, work lead with ground clamp 3m, consumables kit, Air fitting 1/4" PT Nitto type, Quick Start Guide, Operating Manual.	
Torches	
SL60 1Torch and Lead 6.1m (20ft) 75° Head	0TD7/5204
ATC Lead Extension 7.6m (25ft)	0TD7/7545

OPTIONS & ACCESSORIES

Cutting Guide Kit	0TD7/7501
Circle Cutting Guide Kit	0TD7/3291
Stand Off Cutting Guide	0TD9/8251
Single Stage Air Filter Kit	7-7507
Spare Filter Element	9-7741

WEAR & SPARE PARTS TORCH

Electrode	0TD9/8215
Cutmaster Black Series Extended Life Electrode	9-8214
Start Cartridge	0TD9/8213
Shield Cup	0TD9/8218
Shield Cup, Max Life	0TD9/8237
Shield Cap, Gouging, Max Life (A – D)	0TD9/8241
Shield Cap Deflector, Max Life (All)	0TD9/8243
A size gouging tip Shallow	0TD9/8225
B size gouging tip Deep	0TD9/8226
C size gouging tip Moderate	0TD9/8227
Cutting tip 20A Drag	0TD9/8205
Cutting tip 30A Drag	0TD9/8206
Cutting tip 40A Drag	0TD9/8207
Cutting tip 50A Standoff	0TD9/8209
Cutting shield cap 40A Drag	0TD9/8244
Cutting shield cap 50A Drag	0TD9/8235
Torch “O” Ring 1	0TD8/3487
Torch “O” Ring 2	0TD8/3486

SEMI-MECHANIZED SYSTEMS

For straight line cutting and gouging applications controlled with a simple start stop switch from ESAB provides everything you need to allow precision setup and control for many semi-automated applications. The Semi-Mechanised system is compatible with all Cutmaster plasmas that contain the convenient ATC torch style quick connection.

ORDERING INFORMATION

SL100 180 Deg 7.6m (25ft) Machine Plasma Torch	0TD7/5215
Remote Hand Pedant	7-3460
CNC Interface Cable Assembly 7.6m (25ft)	9-1125

OPTIONAL ACCESSORIES

COMET Platecutter	338610
Plasma Torch Holder SL100 Platecutter	338550
Pinion Assembly 35mm (1.375in) Torch Barrel Diameter	7-2827