



# LEAN.



# MEAN.

THE PORTABLE PLASMA CUTTER WITH MORE  
POWER THAN YOU THOUGHT POSSIBLE.

**THERMAL  
DYNAMICS**  
AN ESAB BRAND



You deserve the best portable plasma cutter. That's why we created Cutmaster 40. With an unprecedented combination of mobility and power, Cutmaster 40 crushes expectations for a machine in its class.

# IT'S LEAN.

## MAXIMUM PORTABILITY.

Cutmaster 40 features an all-new ergonomic design for the best portability in its class – without sacrificing performance. It's only 22 pounds, with multiple handles and carrying points that help it feel even lighter.

## GREATER FLEXIBILITY.

With an incredible arc stretch, Cutmaster 40 can be used in odd cutting positions while maintaining cut quality. It comes with a complete range of consumables out of the box for cutting and gouging, and it runs on 110–240 V power with automatic amperage adjustment.



## SPECIFICATIONS

Amperage Output	15–40 A, continuously adjustable
Recommended Generator Size	8.0 kW output
Open-Circuit Voltage (OCV)	300 V
Input Voltage	110–240 V 1ph
Rated Duty Cycle	40% @ 40 A 60% @ 30 A 100% @ 20 A
Amperage Draw (at Maximum Cut Capacity)	29 A @ 208 V 26 A @ 230 V 25.3 A @ 115 V
Input Power Cable and Plug	9 ft. (2.7 m) 1ph 12 AWG 3/C with NEMA 6-50P plug
Work Lead with Ground Clamp	13 ft. (4 m) #8 work cable with 50 mm connection
Gas Requirements	Compressed air
Operating Temperature Range	32°F–122°F (0°C–50°C)
Operating Input Air Pressure Range	90–125 psi (6.2–8.6 bar)
Minimum Airflow Requirements (Cutting and Gouging)	170 cfh (80 l/min.)

# IT'S MEAN.

## INCREDIBLE PERFORMANCE.

Cutmaster 40 has remarkable power for a machine of its size. The legendary 1Torch™ allows for a best-in-class half-inch pierce and cut capacity and an insane one-inch max sever. With an extraordinary 40% duty cycle at 40 A, thanks to all-new hybrid cooling technology, your hands will tap out before this machine does.

## SERIOUS DURABILITY.

We put Cutmaster 40 in proven industrial-grade housing to ensure it can take a beating and keep performing. With an IP23 all-weather rating, Cutmaster 40 is ready to work where you need it to – rain or shine, day in and day out. And Cutmaster 40 comes with new Black Series consumables that last up to 60% longer before needing to be replaced.

**60% LONGER  
CONSUMABLE LIFE**

**1 INCH  
SEVER**

**1/2 INCH  
CUT**

**1/2 INCH  
PIERCE**

### SPECIFICATIONS (CONT.)

Recommended Cut	Up to 1/2 in. (12 mm)
Maximum Sever	1 in. (25 mm)
Pierce Rating	1/2 in. (12 mm)
SL60 Torch Duty Cycle	100% at 40 A @ 400 cfh (189 l/min.) airflow
Torches (for use with the Cutmaster 40)	SL60 1Torch (supplied) SL60QD 1Torch
Dimensions L x W x H	18.1 x 7.9 x 12.6 in. (460 x 200 x 320 mm)
Weight	22 lb. (10 kg)

### ORDERING INFORMATION

Cutmaster 40, 1ph with SL60 1Torch 16 ft. (5 m) 90° Head	1-4000-1
SL60 Torch and Lead 20 ft. (6.1 m) 75° Head	7-5204
SL60 Torch and Lead 50 ft. (15.2 m) 75° Head	7-5205

**Packages include:** Cutmaster 40 power supply, SL60 90° torch with lead, work lead with ground clamp, spare parts kit, input power adapters for 50 A to 20 A and for 20 A to 15 A, 1/4 in. NPT air fitting with quick connect, and operating manual. Cutmaster 40 is compatible with all 1Torch ATC torch connections.

Are you ready to choose green? Visit [esab.com/cutmast40](https://esab.com/cutmast40) to learn more.



# UNRIVALED SERVICE AND SUPPORT.

Thermal Dynamics Cutmaster 40, like every ESAB machine, is backed by our commitment to superior customer service and support. Our skilled customer service department is prepared to quickly answer any questions, address problems, and help with maintenance and upgrading of machines.

For more information on Cutmaster 40, visit [esab.com/cutmaster40](http://esab.com/cutmaster40).

## 4-YEAR WARRANTY.

Thermal Dynamics' 60-year history and industry-leading service and support means that if you do need help, you'll be protected by the most comprehensive warranty in the business.



## 100% SATISFACTION GUARANTEE.

If there's anything you're not completely satisfied with in your first 100 days with your new Cutmaster, ESAB will make it right, even if it means giving you your money back.

It's all part of our Iron Clad Pledge to our customers.



## MORE THAN 60 YEARS OF CUTTING-EDGE EXPERIENCE.

Since plasma pioneers James Browning and Merle Thorpe incorporated Thermal Dynamics in 1957, TD's cutting-edge experience has been evident in every product. Whether you're looking for automated or manual plasma systems, integrated support, or high-quality consumables and accessories, Thermal Dynamics brings innovation and performance to every solution.



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