



**THERMAL DYNAMICS**  
*Professional*

# TRUE SERIES



**THERMAL DYNAMICS**  
**CUTMASTER® TRUE™ SERIES**





WHEN YOU NEED IT.

## **CUTMASTER, Why TRUE?**

*The new and improved CUTMASTER® TRUE™ Series has been designed with the idea that recommended cut capacity should also be the TRUE cut capacity.*

*The TRUE Cut Series eliminates the concept of having to “buy up”, purchasing a machine larger than you actually need.*

*With the introduction of the CUTMASTER TRUE Series, a 12mm recommended capacity machine will cut 12mm material **ALL DAY, EVERY DAY. NO EXCEPTIONS.***



**1torch®**  
with SURELOK® Technology

THREE YEAR **3** WARRANTY

## Truly MORE...

### **Truth #1**

True Confidence

*The CUTMASTER® TRUE™ Series microprocessor controlled front panel LED's assure extreme operator confidence and error free use from setup to clean up.*

### **Truth #2**

True Strength

*The CUTMASTER TRUE Series allows you to work all day at our recommended cut capacity. But when you need that extra punch, you can be confident that it's there.*

### **Truth #3**

True Protection

*As if a 3 year unlimited power supply warranty wasn't enough, the CUTMASTER TRUE Series is the only line of plasma cutting machines that features TRUE GUARD™ - a rugged roll bar for added durability*

### **Truth #4**

True Tip™

*The Thermal Dynamics CUTMASTER TRUE Series plasma system offers the only 60 Amp drag cutting tip on the market today.*

### **Truth #5**

True Flexibility

*The new CUTMASTER TRUE Series features the flexible, patented 1Torch®. There's one set of consumable parts for the entire range of machines, lead extensions provide cutting up to 30.5m from power supply, and the flexibility to move quickly from hand to mechanized cutting with the change of a torch.*

### **Truth #6**

True Portability

*The CUTMASTER TRUE Series offers lighter, more portable machines without compromising performance.*



# THERMAL DYNAMICS®

## CUTMASTER® TRUE™ SERIES 10



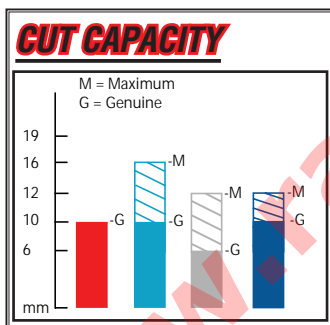
The **CUTMASTER 10** provides the same reliability and performance you have come to expect from the CUTMASTER Series. This 30 Amp unit produces quality cuts from gauge all the way up to maximum cut of 12mm. Unlike some of its competition, the CUTMASTER 10 also offers features like auto pilot restart, ATC® torch quick disconnect, and automatic voltage selection.

The CUTMASTER 10 is the most durable 10mm plasma cutting machine on the market today. It is the only system in its class to offer the protection of TRUE GUARD™.

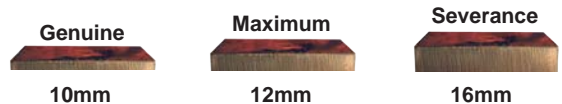


### Applications include:

- Auto Body Repair
- Plumbing
- Home Shop
- Metal Stud Construction
- HVAC
- Metal Building & Roofing Construction
- Marine Repair & Rental Fleets



Graph Key ■ Competitor A ■ Competitor B ■ Competitor C



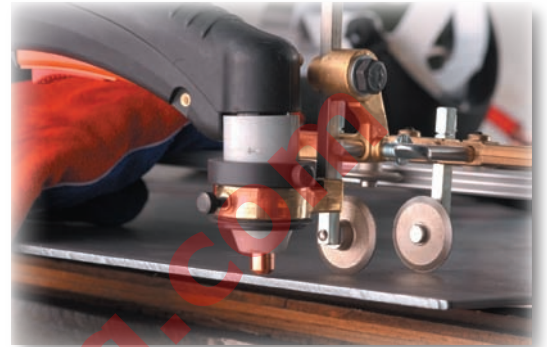
<b>Max Amperage Output - (Amps)</b>	<b>30</b>
<b>Output Power - (Kw)</b>	2.8
<b>Genuine Cut - mm</b>	10
<b>Maximum Cut - mm</b>	12
<b>Severance Cut - mm</b>	16
<b>Pierce Rating - mm</b>	6
<b>Input Power - (Volts, Amps, Phase, Hz)</b>	230V/14A 1 Phase 50/60Hz
<b>Duty Cycle (@40°C)</b>	35% @ 30A,
<b>Dimensions (H x W x L) - mm</b>	381 x 305 x 610
<b>Weight - kg</b>	17.7
<b>Torch Model</b>	SL60
<b>Air Pressure - bar</b>	4.5
<b>Flow - L/m</b>	141
<b>Warranty (Unit/Torch) Parts and Labor</b>	3/1
<b>Certifications</b>	CE, ROHS, IP23C, NTRL/C, CCC, C-TICK

## THERMAL DYNAMICS<sup>®</sup>

### CUTMASTER<sup>®</sup> TRUE<sup>™</sup> SERIES 12

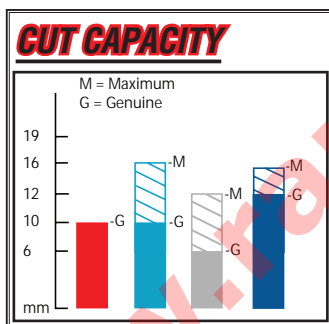
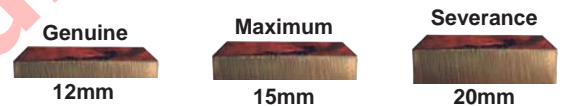
The **CUTMASTER 12** provides the same reliability and performance you have come to expect from the CUTMASTER Series. This 40 Amp unit produces quality cuts from gauge all the way up to maximum cut of 15mm. Unlike some of its competition, the CUTMASTER 12 also offers features like auto pilot restart, ATC<sup>®</sup> torch quick disconnect, and automatic voltage selection.

The CUTMASTER 12 is the most durable 12mm plasma cutting machine on the market today. It is the only system in its class to offer the protection of TRUE GUARD<sup>™</sup>.



### Applications include:

- Construction
- Maintenance/Repair
- Fabrication



Graph Key ■ Competitor A ■ Competitor B ■ Competitor C ■ TD



Max Amperage Output - (Amps)	40
Output Power - (Kw)	3.8
Genuine Cut - mm	12
Maximum Cut - mm	15
Severance Cut - mm	20
Pierce Rating - mm	6
Input Power - (Volts, Amps, Phase, Hz)	400V/8A 3 Phase 50/60Hz 230V/400V 15A/8A 3 Phase 50/60 Hz
Duty Cycle (@40°C)	60% @ 40A
Dimensions (H x W x L) - mm	416 x 273 x 572
Weight - kg	19.5
Torch Model	SL60
Air Pressure - bar	5.2
Flow - L/m	165
Warranty (Unit/Torch) Parts and Labor	3/1
Certifications	CE, ROHS, IP23C, NTRL/C, CCC, C-TICK

# THERMAL DYNAMICS

## CUTMASTER® TRUE™ SERIES 20



The CUTMASTER 20 is one of most powerful and lightest weight 20mm machine on the market today.

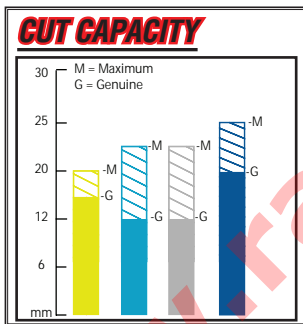
The CUTMASTER TRUE Series are the only systems that offer the precision of the TRUE Cut Drag Tip Series™. The 60 Amp tip allows the system to **drag cut** up to 6mm with ease. Giving the absolute best cut quality possible.

This unit cuts through mild, stainless, or aluminum up to 32mm thick. The CUTMASTER 20 combines power with the well known performance and features of the industry-leading 1Torch®.



### Applications include:

- Construction
- Maintenance/Repair
- Fabrication



Graph Key ■ Competitor A ■ Competitor B ■ Competitor C ■ TD



Max Amperage Output - (Amps)	60
Output Power - (Kw)	6.2
Genuine Cut - mm	20
Maximum Cut - mm	25
Severance Cut - mm	32
Pierce Rating - mm	12
Input Power - (Volts, Amps, Phase, Hz)	400V/16A 3 Phase 50/60Hz 230V/400V 24A/16A 3 Phase 50/60Hz
Duty Cycle (@40°C)	40% @ 60A
Dimensions (H x W x L) - mm	381 x 305 x 610
Weight - kg	19.5
Torch Model	SL60
Air Pressure - bar	5.2
Warranty (Unit/Torch) Parts and Labor	3/1
Certifications	CE, ROHS, IP23C, NTRL/C, CCC, C-TICK



## THERMAL DYNAMICS<sup>®</sup>

### CUTMASTER<sup>®</sup> TRUE<sup>™</sup> SERIES 25



The CUTMASTER 25 weighs in at a mere 19.5 kg almost 50% less than its leading competitor, while still offering superior cutting power.

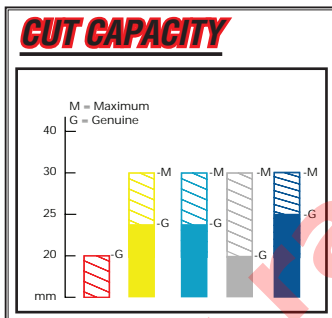
Don't let the size of this unit fool you, it's more than capable of cutting 30mm.

This unit, like all other TRUE CUTMASTERS, is equipped with the 1Torch<sup>®</sup>.



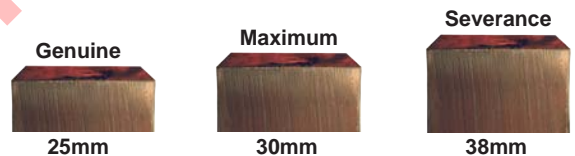
### Applications include:

- Heavy Fabrication
- Manufacturing
- Contractors



Graph Key

- Competitor A
- Competitor B
- Competitor C
- Competitor D
- TD



Max Amperage Output - (Amps)	80
Output Power - (Kw)	9
Genuine Cut - mm	25
Maximum Cut - mm	30
Severance Cut - mm	38
Pierce Rating - mm	15
Input Power - (Volts, Amps, Phase, Hz)	400V/20A 3 Phase 50/60Hz 230V/400V 39A/20A 3 Phase 50/60Hz
Duty Cycle (@40°C)	40% @ 80A
Dimensions (H x W x L) - mm	381 x 305 x 610
Weight - kg	19.5
Torch Model	SL60
Air Pressure - bar	4.8
Flow - (l/m)	189
Warranty (Unit/Torch) Parts and Labor	3/1
Certifications	CE, ROHS, IP23C, NTRL/C, CCC, C-TICK



# HERMAL DYNAMICS

## CUTMASTER® TRUE™ SERIES 35

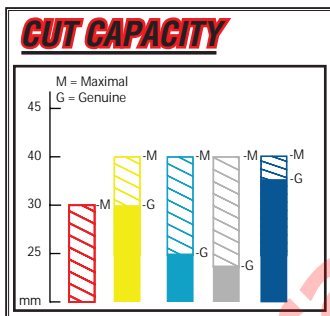
The CUTMASTER 35 is one of the fastest cutting 35mm machine on the market today. This unit's light weight compact design combined with multiple voltage selection makes it the most portable and powerful cutting machine available.

This unit combined with the 1Torch® has a maximum cut capacity of 40mm. More cut capacity than any other system in its class!



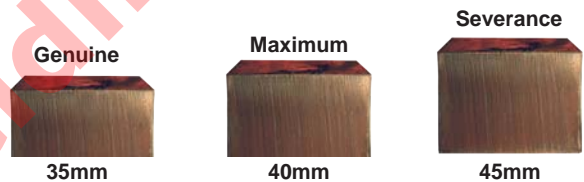
### Applications include:

- Heavy Fabrication
- Manufacturing



Graph Key

- Competitor A (Red)
- Competitor B (Yellow)
- Competitor C (Blue)
- Competitor D (Grey)
- TD (Dark Blue)



<b>Max Amperage Output - (Amps)</b>	<b>100</b>
<b>Output Power - (Kw)</b>	12
<b>Genuine Cut - mm</b>	35
<b>Maximum Cut - mm</b>	40
<b>Severance Cut - mm</b>	45
<b>Pierce Rating - mm</b>	20
<b>Input Power - (Volts, Amps, Phase, Hz)</b>	400V/27A 3 Phase 50/60Hz 230V/400V 45A/27A 3 Phase 50/60Hz
<b>Duty Cycle (@40°C)</b>	80% @ 100A
<b>Dimensions (H x W x L) - mm</b>	381 x 305 x 762
<b>Weight - kg</b>	28.1
<b>Torch Model</b>	SL100
<b>Air Pressure - bar</b>	4.8
<b>Flow - (l/m)</b>	212
<b>Warranty (Unit/Torch) Parts and Labor</b>	3/1
<b>Certifications</b>	CE, ROHS, IP23C, NTRL/C, CCC, C-TICK



## THERMAL DYNAMICS<sup>®</sup>

### CUTMASTER<sup>®</sup> TRUE<sup>™</sup> SERIES 40

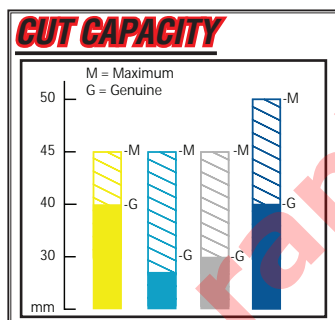
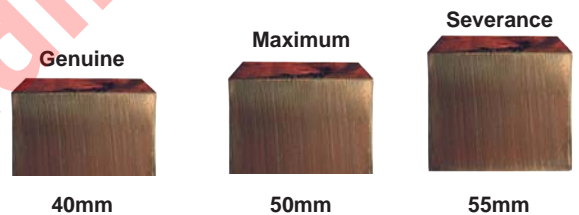


The CUTMASTER 40 is the heavy weight of hand held cutting systems. This unit comes in a compact-light weight package, but don't let that fool you. It offers enough cutting power to cut 50mm material.

This compact unit, like all other CUTMASTERS, comes standard with the 1Torch<sup>®</sup>. Providing you with the well known comfort and reliability famous throughout the industry.

### Applications include:

- Heavy Fabrication
- Manufacturing



Graph Key ■ Competitor A ■ Competitor B ■ Competitor C ■ TD



<b>Max Amperage Output - (Amps)</b>	<b>120</b>
<b>Output Power - (Kw)</b>	15.4
<b>Genuine Cut - mm</b>	40
<b>Maximum Cut - mm</b>	50
<b>Severance Cut - mm</b>	55
<b>Pierce Rating - mm</b>	25
<b>Input Power - (Volts, Amps, Phase, Hz)</b>	400V/34A 3 Phase 50/60Hz 230V/400V 56A/34A 3 Phase 50/60Hz
<b>Duty Cycle (@40°C)</b>	80% @ 120A
<b>Dimensions (H x W x L) - mm</b>	381 x 305 x 762
<b>Weight - kg</b>	28.1
<b>Torch Model</b>	SL100
<b>Air Pressure - bar</b>	4.8
<b>Flow - (l/m)</b>	212
<b>Warranty (Unit/Torch) Parts and Labor</b>	3/1
<b>Certifications</b>	CE, ROHS, IP23C, NTRL/C, CCC, C-TICK

# Superior Performance Features

**TRUE GUARD™** roll bar provides easy transportation and protects the front and rear of the power supply for unmatched durability.

**Lightweight design improves portability**  
(Reduced nearly 50%).

**Color Coded LED's** indicate pressure status and setup errors.



**All user controls are conveniently located on the front panel.**

**Trigger latch feature prevents hand fatigue during long cuts. Auto Pilot Restart feature instantly reignites the pilot arc while cutting expanded metals.**

**Convenient storage compartment for spare and consumable parts**



**The Industries only 60 Amp Drag Tip**



**The 1Torch™ torch performs with virtually all plasma cutting power supplies. The 1Torch is both easy and comfortable to use, benefits from the latest in high performance torch technology giving longer consumable parts life, better cut performance, flexibility, durability and versatility.**

**Note: Features Apply to 12,20,25,35, and 40 models**

# 1 Torch® Consumable Parts Application Guide

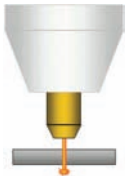
For SL60® and SL100® Manual Cutting and Gouging Operations



## Drag Tip Cutting

The preferred method of cutting light gauge metal up to 6mm thickness. Produces the best cut quality, narrowest kerf width, and fastest cutting speeds, and with little to no distortion. Traditional drag cutting was limited to 40 Amps or less, now with Thermal Dynamics TRUE Cut Drag Tip Series™ technology it is possible to cut up to 60 Amps.

For best results use the Shield Cup with the torch tip in direct contact with the work (up to 60 Amps).



## Standoff Cutting

The preferred method of cutting metal thicker than 6mm and at current levels above 60 Amps. Provides maximum visibility and accessibility. Use the single-piece shield cup for 'standoff' cutting (with the torch tip 3mm to 6mm from the work piece). Use the shield cup body together with the deflector for extended parts life and improved resistance to reflected heat. This combination provides cutting results similar to the single piece shield cup, as well as easy changeover to gouging or drag shield cutting.

Gouging Profiles				
	Output Range	Depth	Width	Profile
Tip A	40 Amps (max)	Shallow	Narrow	
Tip B	50 - 100 Amps	Deep	Narrow	
Tip C	60 - 120 Amps	Moderate	Moderate	
Tip D	60 - 120 Amps	Shallow	Wide	

1Torch, a trademark of Thermal Dynamics Corporation, is registered with the U.S. Patent and Trademark Office, and is the subject of trademark registrations and pending applications in numerous other countries. For information on trademark registrations of Thermal Dynamics Corporation, contact the local trademark offices in the countries of interest.



## Drag Shield Cutting

This is an operator-friendly method of cutting between 70 to 120 Amps while maintaining a constant standoff distance. For metal thickness greater than 6mm simply drag the shield cap in contact with the work piece. Use the shield cup body with the appropriate drag shield cap matching the current level being used. This method is not recommended for cutting light-gauge sheet metal.



## Gouging

A simple method of metal removal by angling the torch to a lead angle of 35-45 degrees and using a gouging tip. While maintaining a constant standoff distance, this allows for only a partial penetration into the work, thus removing metal from the surface. The amount of current, travel speed, standoff distance, lead angle, and tip size will determine the amount of material removed and the profile of the gouge.

You can use the shield cup body with either the gouging shield cap or the shield deflector. Also, you can use the single piece shield cup.

# Accessories

## TORCH CUTTING GUIDES / GUIDE KITS

### Cutting Guide Kit (Deluxe)

Cat. No. 7-8910

Cuts circles from 54mm to 1054mm with proper cutting attachments.

This kit includes easy add-on attachments to fit most Thermal Dynamics torches for precise straight line, circle cutting and beveling. Includes Carrying Case, Radius/Roller Kit (7-7501), Circle Cutting Guide (7-3291), Magnetic Pivot, Suction Pivot.



### CUTMASTER® TRUE Standoff Cutting Guides

Cat. No. 9-8281 (CUTMASTER 12,20,25,35,and40)

New standoff guides designed to fit the SL60 and SL100 torches specific to the CUTMASTER TRUE™ Series systems. The standoff is preset.



### Circle Cutting Guide Kit

Cat. No. 7-3291

Cuts 54mm to 705mm circles (using magnetic attachment) when cutting or beveling is required. For use with most Thermal Dynamics torches. Guide shown with optional pivot (7-3148).



## MISCELLANEOUS TORCH ACCESSORIES

### Leather Leads Cover

4.6m 9-1258

6.1m 9-1260

7.6m 9-1270

15.2m 9-1280

These leads covers are suitable for both 1Torch® and SureLok® leads.

Snaps make it easy to install. For wider torches, consider snapping two covers together width wise.



### Radius / Roller Cutting Guide Kit

Cat. No. 7-7501

This easy-to-use guide cuts circles from 76mm up to 730mm. Maintains a consistent height off the work piece whether you are using the circle cutting attachment for cutting circles or the roller guide feature to improve your straight-line cutting. Both novices and experts will see noticeable improvement in quality, speed, and parts life.

Can be used with most Thermal Dynamics torches.



### Straight Line Cutting Guide

Cat. No. 7-8911

Introducing a new cutting guide accessory suitable for all hand torches. This versatile, straight line cutter is for hand held systems and it cuts vertical, 90° or bevel cuts. Its consistent standoff improves cut quality and maximizes overall performance. Produces more efficient straight line cuts.

Lightweight, minimum set up time, and no power required. Magnetic mounts ensure placement and ease of use. Optional suction plates available for non-magnetic applications (i.e. aluminum and stainless steel). The Cutting Guide Kit includes: 1.2mm standard rail Torch Holder and Bushing Heavy Duty Magnets (2ea.) Slide Assembly Wheels and Fasteners. Optional 1.2mm extensions (7-7971) available.



### Trigger Guard Guides

1Torch (SL60 and SL100)

Cat. No. 9-8420 - Short Trigger Guard

Cat. No. 9-8421 - Long Trigger Guard

These guards offer additional protection from accidental activation or damage to the torch switch.



### Remote Pendant Control

Cat. No. 7-3460 - 6.1m

Remote Pendant Control for your mechanized application.

### Hand Pendant Extension

Cat. No. 7-7744 - 7.6m



## MISCELLANEOUS ACCESSORIES

### ATC® Lead Extensions

4.6m 7-7544  
7.6m 7-7545  
15.2m 7-7552

Available for any system using 1Torch with ATC Quick Disconnect. Leads Extensions enable you to customize your lead length to suit the cutting job.



**Welding Gloves**  
Cat. No. 9-1250



### AIR FILTER / AIR FILTER KITS

For improved consumable parts life and overall performance, Thermal Dynamics recommends Air Filter Kits be used on all plasma cutting systems.

#### Single Stage Air Filter Kit

Cat. No. 7-7507 ( Filter Body 9-7740, Hose 9-7742, Filter Element 9-7741)

For use with shop compressed air systems, this in-line filter will not allow moisture or water to pass through the filter element even if it becomes completely saturated. This hi-tech filter element actually blocks the absorption of water to increase performance and improve consumable parts life.



**Plasma Cutting Techniques DVD**  
Cat. No. 9-1254



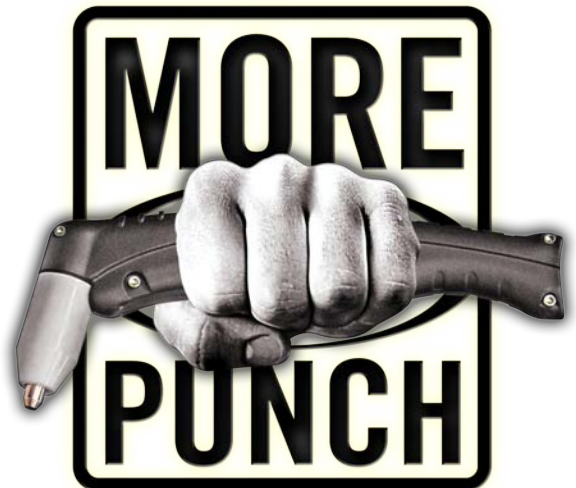
### PORTABLE GEAR

#### Multi-Purpose Cart

Cat. No. 7-8888

Designed for most portable manual cutting systems such as the PakMaster or CUTMASTER®, or any similar sized systems.

This rugged steel cart has easy rolling 203mm diameter wheels along with 76mm front mounted casters. This cart also serves as an excellent showroom display stand.



WHEN YOU NEED IT.

## Ordering Information

Product Description	Catalog No.		Product Description	Catalog No.	
Plasma Cutting Systems	230V CE		Plasma Cutting Systems	400V CE	230V/400V CE
<b>CUTMASTER® 10</b> with SL60® 75° hand torch, 6.1m lead	1-4630-4		<b>CUTMASTER® 35</b> with SL100 75° hand torch, 6.1m lead*	1-1730-4	1-1730-7
<b>CUTMASTER® 12</b> with SL60 75° hand torch, 6.1m lead	400V CE	230V/400V CE	<b>CUTMASTER® 35</b> with SL100 75° hand torch, 15.2m lead*	1-1731-4	1-1731-7
<b>CUTMASTER® 12</b> with SL60 75° hand torch, 15.2m lead	1-5130-4	1-5130-7	<b>CUTMASTER® 40</b> with SL100 75° hand torch, 6.1m lead*	1-1930-4	1-1930-7
<b>CUTMASTER® 20</b> with SL60 75° hand torch, 6.1m lead	1-5131-4	1-5131-7	<b>CUTMASTER® 40</b> with SL100 75° hand torch, 15.2m lead*	1-1931-4	1-1931-7
<b>CUTMASTER® 25</b> with SL60 75° hand torch, 6.1m lead	1-1130-4	1-1130-7	<b>Torch Leads Packages</b>	Hand	
<b>CUTMASTER® 25</b> with SL60 75° hand torch, 15.2m lead	1-1131-4	1-1131-7	SL60 6.1 m Torch/Leads 15.2m Torch/Leads	7-5204 7-5205	
<b>CUTMASTER® 25</b> with SL60 75° hand torch, 15.2m lead	1-1330-4	1-1330-7	SL100 6.1m Torch/Leads 15.2m Torch/Leads	7-5206 7-5208	
	1-1331-4	1-1331-7			

## Selection Guide



Current Range	Mode Of Operation	Amps	Electrode	Start Cartridge	Tip	Shield Cup	Shield Cup Body	Drag Shield Cap	Deflector	Gouging Shield Cap
20-40 Amps	Drag Tip / Cutting	20A	9-8215	9-8213	9-8205	9-8218	9-8237	9-8237	9-8243	
		30A			9-8206	9-8218				
		40A			9-8207	9-8218				
50-60 Amps	Standoff Cutting	20A	9-8215	9-8213	9-8205	9-8218	9-8237	9-8237	9-8243	
		30A			9-8206	9-8218				
		40A			9-8207	9-8218				
70-100 Amps	Gouging	40A	9-8215	9-8213	9-8208	9-8218	9-8237	9-8237	9-8243	9-8241
		40A			9-8208	9-8218				
		Tip A			9-8225					
120 Amps	Drag Tip Cutting	60A	9-8215	9-8213	9-8252	9-8218	9-8237	9-8235	9-8243	
		50-55A			9-8209	9-8218				
		60A			9-8210	9-8218				
50-60 Amps	Standoff Cutting	50-55A	9-8215	9-8213	9-8209	9-8218	9-8237	9-8235	9-8243	
		60A			9-8210	9-8218				
		60A			9-8209	9-8218				
70-100 Amps	Drag Shield Cutting	50-55A	9-8215	9-8213	9-8209		9-8237	9-8235	9-8243	
		60A			9-8210					
		60A			9-8210					
120 Amps	Gouging	Tip B	9-8215	9-8213	9-8226		9-8237	9-8236	9-8243	9-8241
		Tip C			9-8227					
		Tip D			9-8228					
70-100 Amps	Standoff Cutting	70A	9-8215	9-8213	9-8231	9-8218	9-8237	9-8236	9-8243	
		80A			9-8211	9-8218				
		90A-100A			9-8212	9-8218				
50-60 Amps	Drag Shield Cutting	70A	9-8215	9-8213	9-8231		9-8237	9-8236	9-8243	
		80A			9-8211					
		90A-100A			9-8212					
120 Amps	Gouging	Tip B	9-8215	9-8213	9-8226		9-8237	9-8236	9-8243	9-8241
		Tip C			9-8227					
		Tip D			9-8228					
20-40 Amps	Standoff Cutting	120A	9-8215	9-8213	9-8253		9-8237	9-8258	9-8243	
		120A			9-8253					
		Tip E			9-8254					





# HERMAL DYNAMICS<sup>®</sup>

## Professional

# TORCH

## SERIES



System	Cutmaster 10	Cutmaster 12	Cutmaster 20	Cutmaster 25	Cutmaster 35	Cutmaster 40
<b>Model</b>						
<b>Cut Capacity (mm) - Genuine</b>	10	12	20	25	35	40
<b>Maximum</b>	12	15	25	30	40	50
<b>Severance</b>	16	20	32	38	45	55
<b>Output Current Amps</b>	30	40	60	80	100	120
<b>Input Power</b>	230V/14A 1 Ph 50/60Hz	400V/8A 3 Ph 50/60Hz 230V/400V 15A/8A 3 Ph 50/60Hz	400V/16A 3 Ph 50/60Hz 230V/400V 24A/16A 3 Ph 50/60Hz	400V/20A 3 Ph 50/60Hz 230V/400V 39A/20A 3 Ph 50/60Hz	400V/27A 3 Ph 50/60Hz 230V/400V 45A/27A 3 Ph 50/60Hz	400V/34A 3 Ph 50/60Hz 230V/400V 56A/34A 3 Ph 50/60Hz
<b>Work Cable - m</b>	6.1	6.1	6.1	6.1	6.1	6.1
<b>Duty Cycle</b>	35% @ 30A	60% @ 40A	40% @ 60A	40% @ 80A	80% @ 100A	80% @ 120A
<b>Dimensions - mm</b>	381 x 305 x 610	416 x 273 x 572	381 x 305 x 610	381 x 305 x 610	381 x 305 x 762	381 x 305 x 762
<b>Weight - kg</b>	17.7	19.5	19.5	19.5	28.1	28.1
<b>Ship Weight - kg</b>	24.5	26.3	26.3	26.3	34.9	34.9
<b>Torch</b>						
<b>Model</b>	SL60 Hand	SL60 Hand	SL60 Hand	SL60 Hand	SL100 Hand	SL100 Hand
<b>Lead Length - m</b>	6.1 Manual	6.1 / 15.2 Manual	6.1 / 15.2 Manual	6.1 / 15.2 Manual	6.1 / 15.2 Manual	6.1 / 15.2 Manual
<b>Gas</b>	Air	Air	Air	Air	Air	Air
<b>Gas Pressure - bar</b>	4.5	5.2	5.2	4.8	4.8	4.8
<b>Gas Flow - L/m</b>	141	165	190	190	212	212
<b>Pilot</b>	Start Cartridge	Start Cartridge	Start Cartridge	Start Cartridge	Start Cartridge	Start Cartridge
<b>Control</b>	Hand Torch Switch	Hand Torch Switch or Hand Pendant Control	Hand Torch Switch or Hand Pendant Control	Hand Torch Switch or Hand Pendant Control	Hand Torch Switch or Hand Pendant Control	Hand Torch Switch or Hand Pendant Control
<b>Application Information</b>						
<b>Suitable Materials</b>	Aluminum, Stainless Steel, Mild Steel	Aluminum, Stainless Steel, Mild Steel	Aluminum, Stainless Steel, Mild Steel	Aluminum, Stainless Steel, Mild Steel	Aluminum, Stainless Steel, Mild Steel	Aluminum, Stainless Steel, Mild Steel
<b>Typical Applications</b>	HVAC, Home Shop Plumbing, Auto Body Repair	Construction, Maintenance / Repair, Fabrication	Construction, Maintenance / Repair, Fabrication	Heavy Fabrication, Manufacturing	Heavy Fabrication, Manufacturing	Heavy Fabrication, Manufacturing

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### ***Literature Requests***

*Product literature, operating manuals, and service manuals are all available through our distributorships or on our web site. You can also order directly through Customer Service*

### ***Service & Repair***

*Thermal Dynamics products either meet or exceed industry standards, and our torches and power supplies are backed with excellent warranties. With each system or torch, we include an Operating Manual which contains basic troubleshooting and parts replacement procedures. Service Manuals are also available by request to service technicians familiar with high voltage, high power electronics. Service Manuals cover complex troubleshooting procedures and include schematics.*

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