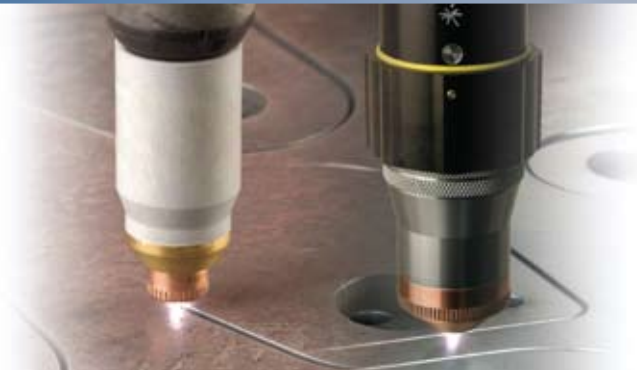


Thermal Dynamics Offers a Full Line of Automation Equipment to Meet The Most Demanding Applications.



NEW CUTMASTER® A-Series Automation

With all the advantages of the 1Torch® and proven CUTMASTER reliability, the new CUTMASTER A-Series delivers the best in productivity, precision, and performance in Automation. Systems feature CNC interface, 1Torch with ATC® Quick Disconnect and Diagnostic LED's to a name a few.

A40

- ¼" (6mm) Production Capacity
- 20-40 Amps, 60 Amps Max, Adjustable
- Duty Cycle: 80% @ 40A
100% @ 50A
- SL100 SV 1Torch with SureLok® Technology
- CNC Interface



A60

- ⅜" (10mm) Production Capacity
- 20-60 Amps, 80 Amps Max, Adjustable
- Duty Cycle: 80% @ 60A
100% @ 55A
- SL100 SV 1Torch with SureLok® Technology
- CNC Interface



A80

- ½" (12mm) Production Capacity
- 30-80 Amps, 100 Amps Max, Adjustable
- Duty Cycle: 80% @ 80A
100% @ 90A
- SL100 SV 1Torch with SureLok® Technology
- CNC Interface



A120

- ⅝" (15mm) Production Capacity
- 30-120 Amps, 120 Amps Max, Adjustable
- Duty Cycle: 80% @ 120A
100% @ 110A
- SL100 SV 1Torch with SureLok® Technology
- CNC Interface



Auto-Cut® Series Conventional Automation

The Thermal Dynamics Auto-Cut Series delivers premium cut performance on both mild steel and non-ferrous materials. The power supplies are designed for reliable, low cost operation. Features like the XT™-301 consumable parts cartridge and the Machines Status Message Center make the Auto-Cut units easy to operate.

Auto-Cut 100

- ⅝" (15mm) Production Cut
- ¾" (20mm) Maximum Cut
- 1" (25mm) Edge Start
- Duty Cycle: 100% @ 100A @ 160V
- 10-100 Amps
- XT-301 Torch and Leads
- Water Mist Secondary
- CE, CSA, CCC



Auto-Cut 200

- 1" (25mm) Production Cut
- 1¼" (30mm) Maximum Cut
- 2" (50mm) Edge Start
- Duty Cycle: 100% @ 200A @ 160V
- 10-200 Amps
- XT-301 Torch and Leads
- Water Mist Secondary
- CE, CSA, CCC



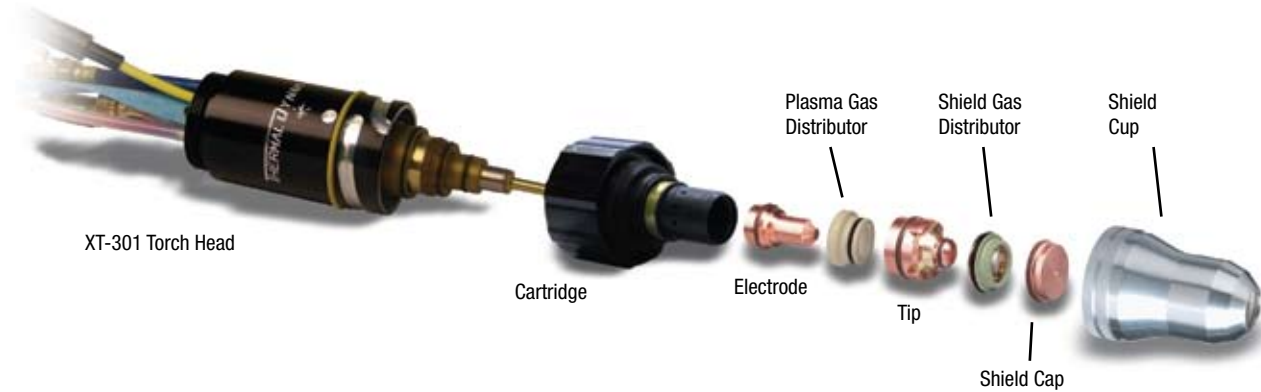
Auto-Cut 200₂

- 1" (25mm) Production Cut
- 1½" (40mm) Maximum Cut
- 2" (50mm) Edge Start
- Duty Cycle: 100% @ 200A @ 180V
- 10-200 Amps
- XT-301 Torch and Leads
- Water Mist Secondary
- High Speed Oxygen Cutting
- CE, CSA, CCC



XT™ Torch Technology for Maximum Performance

Patented XT Torch Technology brings plasma cutting to new levels of precision and productivity. The design of the XT-301 torch and consumable cartridge ensure precise relocation of components after a process change.



Auto-Cut® 300

- 1¼" (30mm) Production Cut
- 1½" (40mm) Maximum Cut
- 2¾" (70mm) Edge Start
- Duty Cycle: 100% @ 300A @ 180V
- 10-300 Amps
- XT-301 Torch and Leads
- Water Mist Secondary (WMS®)
- CE, CSA, CCC



GCM-1000 – Gas Control

Plasma and secondary gas pressures and WMS (Water Mist Secondary) flows are precisely controlled at the power supply with dedicated regulators.



Auto-Cut 300₂

- 1½" (40mm) Production Cut
- 1¾" (45mm) Maximum Cut
- 3" (75mm) Edge Start
- Duty Cycle: 100% @ 300A @ 180V
- 10-300 Amps
- XT-301 Torch and Leads
- Water Mist Secondary (WMS)
- High Speed Oxygen Cutting
- CE, CSA, CCC



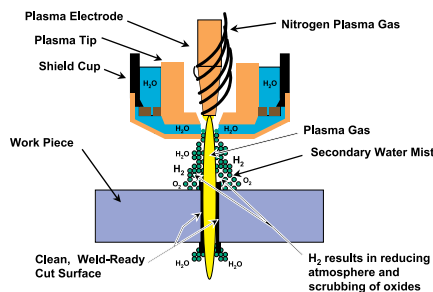
GCM-2000 – Gas Control

Digitally controlled plasma and secondary gases with dedicated regulators, pressure gauges and flowmeters.



Water Mist Secondary (WMS)

- Low Operating Costs
- Dross-Free Cutting
- Oxide Free Surface
- Easy to Use



XT-301 Torch

- 'Leakless' Torch Head Design
- Self-Centering Components
- Excellent Cuts on All Metals
- Longer Parts Life with MaximumLife® Consumables
- Keyless Consumables Cartridge
- Revolutionary SpeedLok™ Cartridge Design Allows Quick Change-Overs



Ultra-Cut® Series High Precision Automation

The Thermal Dynamics Ultra-Cut Series delivers premium precision and heavy-duty conventional plasma cutting on mild steel and non-ferrous alloys. With consumable parts for both precision and conventional plasma cutting from gage to 3" (75mm) it's the only plasma system you will need. Select precision consumable parts for high precision cutting on mild steel. Or select conventional consumable parts for faster and more economical cutting with air plasma.

Control Modules

GSM-2010 Gas Control Module

- Plasma and Secondary Gas Control
- Dedicated Regulators, Flowmeters and Gauges
- Digitally Controlled



RAS-1000 Remote Arc Starter

- Water-cooled Negative HF Coil
- Rated to 300 Amps



XT-300 Torch

- 'Leakless' Torch Head Design
- Self-Centering Components
- Precision Cuts on All Metals
- Extreme Parts Life with XTL™ Consumables
- Keyless Consumables Cartridge
- Revolutionary SpeedLok™ Cartridge Design Allows Quick Change-Overs



Ultra-Cut 100

- 1/2" (12mm) Production Cut
- 5/8" (15mm) Maximum Cut
- 3/4" (20mm) Edge Start
- Duty Cycle: 100% @ 100A @ 180V
- 10-100 Amps
- XT™-300 Torch and Leads
- Water Mist Secondary
- CE, CSA, CCC



Ultra-Cut 200

- 1" (25mm) Production Cut
- 1 1/2" (40mm) Maximum Cut
- 2 1/2" (62mm) Edge Start
- Duty Cycle: 100% @ 200A @ 180V
- 10-200 Amps
- XT-300 Torch and Leads
- Water Mist Secondary
- CE, CSA, CCC



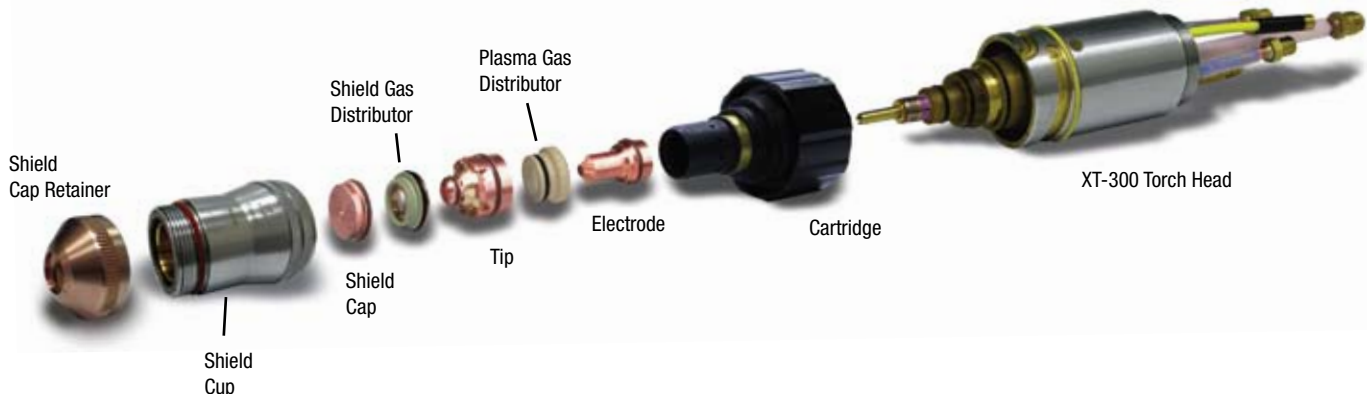
Ultra-Cut 300

- 1 1/2" (40mm) Production Cut
- 1 3/4" (45mm) Maximum Cut
- 3" (75mm) Edge Start
- Duty Cycle: 100% @ 300A @ 180V
- 10-300 Amps
- XT-300 Torch and Leads
- Water Mist Secondary
- CE, CSA, CCC



Unique 'Keyless' Consumables Cartridge

The unique Consumables Cartridge houses consumable parts only, no built-in head/torch body to drive replacement costs up. Changing cartridges is fast and easy - a couple of twists and the unique 'rapid engagement' retaining collar threads release the cartridge. Down-time is reduced to seconds and you can change from one process to another or from one application to another quickly and easily.



PAK® 45

- 3" (75mm) Maximum Cut
- 3/4" (20mm) Piercing
- Duty Cycle: 100% @ 400A @ 200V
- 10 – 400 Amps
- Liquid Cooled Torch
- N2, Ar-H2, Plasma
- CE, CSA, CCC

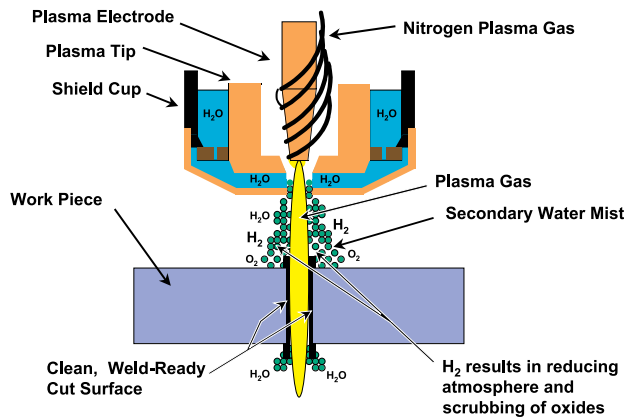


TA-500/1000

- 6" (150mm) Maximum Cut
- 2" (50mm) Piercing
- Duty Cycle: 100% @ 500A/1000A @ 200V
- Paralleled to 1000 Amps
- Liquid Cooled Torch
- N2 Plasma
- Heavy Non-Ferrous



The **TA-500 System** is specifically designed for high-performance, machines-mounted production cutting.



Water Mist Secondary

Water Mist Secondary (WMS®) optimizes non-ferrous cutting; delivering excellent cut quality on non-ferrous materials with low cost of operation by using N2 as plasma and ordinary tap water as the secondary. A reducing atmosphere is produced in the cut by the release of hydrogen from the secondary water. This reducing atmosphere decreases oxidation on the cut surface. WMS is recommended for materials up to 1" (25mm) thick.

- Low Operating Costs
- Dross-Free Cutting
- Oxide Free Surface
- Easy to Use

NEW & Improved Thermal Dynamics Website

Visit our new website, same address, newer look, more features. Website now allows the user to look up specific part numbers for detailed specifications, including images and literature available. Stop by and check it out.

www.thermal-dynamics.com



CUTMASTER, Why TRUE?

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

The True 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 machine with a recommended cut capacity of ½" (12mm) will cut ½" material ALL DAY EVERY DAY.

TRUTHS

- #1: **True Confidence** – Powered by an internal microprocessor, the front panel LED's provide status conditions during setup and trouble shooting.
- #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 is there. The ¼" (6mm) system can power through ⅝" (15mm) material when needed – up to 150% more punch when necessary.
- #3: **True Protection** – As if a **4 YEAR** unlimited warranty on the power supply wasn't enough, the CUTMASTER TRUE Series is the only line of plasma cutting machines offering True Guard – a rugged roll bar for added durability.
- #4: **True Tip** – The Thermal Dynamics CUTMASTER Series plasma system offers the only 60 Amp drag cutting tip available on the market today.
- #5: **True Flexibility** – The new CUTMASTER TRUE Series offers **MULTI-VOLTAGE** and the patented 1Torch®. With the 1Torch, there's only one set of consumable parts for the entire range of machines. Adding lead extensions allows you to cut up to 100' from the power supply. It also allows you to move from a hand to a mechanized torch quickly.
- #6: **True Portability** – The CUTMASTER TRUE Series offers lighter, more portable machines without compromising performance. The powerful 52 weighs in at a mere 43 lbs.

CUTMASTER 39

- ¼" (6mm) Recommended Cut Capacity
- ⅝" (15mm) Maximum Cut
- Auto Pilot Restart for Expanded Metal
- 20-30 Amp, Adjustable
- Duty Cycle: 35% @ 30A
- SL60® 1Torch
- Weighs 39 lbs.
- Applications: Plumbing / HVAC, Auto Body / Marine Repair, Home Shop, Rental Fleets, Metal Building & Roof Construction



CUTMASTER 52

- ½" (12mm) Recommended Cut Capacity
- 1⅝" (30mm) Maximum Cut
- Auto Pilot Restart for Expanded Metal
- 60 Amp Drag Tip
- 20-60 Amp, Adjustable
- Duty Cycle: 40% @ 60A
- SL60 1Torch
- Weighs 43 lbs.
- Applications: Construction, Maintenance/Repair, Fabrication



CUTMASTER 82

- ¾" (20mm) Recommended Cut Capacity
- 1⅞" (40mm) Maximum Cut
- Auto Pilot Restart for Expanded Metal
- 20-80 Amp, Adjustable
- Duty Cycle: 40% @ 80A
- SL60 1Torch
- Weighs 43 lbs.
- Applications: Heavy Fabrication, Manufacturing, Contractors



CUTMASTER 102

- 1" (25mm) Recommended Cut Capacity
- 1¾" (45mm) Maximum Cut
- Auto Pilot Restart for Expanded Metal
- 20-100 Amp, Adjustable
- Duty Cycle: 40% @ 100A
- SL100® 1Torch
- Weighs 62 lbs.
- Applications: Heavy Fabrication, Manufacturing



CUTMASTER 152

- 1¼" (30mm) Recommended Cut Capacity
- 2" (50mm) Maximum Cut
- Auto Pilot Restart for Expanded Metal
- 20-120 Amp, Adjustable
- Duty Cycle: 60% @ 120A
- SL100 1Torch
- Weighs 62 lbs.
- Applications: Heavy Fabrication, Manufacturing



Superior Performance Features

Lightweight design improves portability
(Reduced nearly 50%).

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

Universal selectable input power from 208 to 460 VAC ± 10%, single or three phase, 50 or 60 Hz.

Color Coded LEDs indicate pressure status and setup errors.



The Industry's only 60 Amp Drag Tip



All user controls are conveniently located on the front panel.

Trigger 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



Multiple Torch Capability
(Hand, Mechanized, Automation)

Note: Features apply to 52, 82, 102 and 152 models only.

Ordering Information

Product Description	Catalog No.		Catalog No.	
	110/230V 1 ph	CE	208/230-460V 1/3 ph	Other
CUTMASTER® 39 with SL60® 75° hand torch, 20 ft. (6.1m) lead	1-3830	1-4630	* Systems include machine torch with 1-3/8" (34.9mm) diameter/32 pitch, rack mounting tube, hand pendant control and pinch block. Pinion assembly to be ordered as an accessory.	
	208/230-460V 1/3 ph	Other	208/230-460V 1/3 ph	Other
CUTMASTER 52 with SL60 75° hand torch, 20 ft. (6.1m) lead	1-5130-1	1-5130-V	CUTMASTER 82 with SL60 75° hand torch, 20 ft. (6.1m) lead	1-1130-1 1-1130-V
CUTMASTER 52 with SL60 75° hand torch, 50 ft. (15.2m) lead	1-5131-1	1-5131-V	CUTMASTER 82 with SL60 75° hand torch, 50 ft. (15.2m) lead	1-1131-1 1-1131-V
CUTMASTER 52 with SL100® 180° machine torch, 25 ft. (7.6m) lead*	1-5132-1	1-5132-V	CUTMASTER 82 with SL100 180° machine torch, 25 ft. (7.6m) lead*	1-1132-1 1-1132-V
CUTMASTER 52 with SL100 180° machine torch, 50 ft. (15.2m) lead*	1-5133-1	1-5133-V	CUTMASTER 82 with SL100 180° machine torch, 50 ft. (15.2m) lead*	1-1133-1 1-1133-V
CUTMASTER 102 with SL100 75° hand torch, 20 ft. (6.1m) lead	1-1330-1	1-1330-V	CUTMASTER 152 with SL100 75° hand torch, 20 ft. (6.1m) lead	1-1730-1 1-1730-V
CUTMASTER 102 with SL100 75° hand torch, 50 ft. (15.2m) lead	1-1331-1	1-1331-V	CUTMASTER 152 with SL100 75° hand torch, 50 ft. (15.2m) lead	1-1731-1 1-1731-V
CUTMASTER 102 with SL100 180° machine torch, 25 ft. (7.6m) lead*	1-1332-1	1-1332-V	CUTMASTER 152 with SL100 180° machine torch, 25 ft. (7.6m) lead*	1-1732-1 1-1732-V
CUTMASTER 102 with SL100 180° machine torch, 50 ft. (15.2m) lead*	1-1333-1	1-1333-V	CUTMASTER 152 with SL100 180° machine torch, 50 ft. (15.2m) lead*	1-1733-1 1-1733-V

V = Voltage (2 = 3ph 460V, 3 = 3ph 400V, 4 = 3ph 400V CE, 5 = 600V)

AirCut® 15C

- 1/8" (3mm) Recommended Cut Capacity
- 3/16" (5mm) Maximum Cut
- Built-in Air Compressor
- 15 Amp, Fixed
- Duty Cycle: 35% @ 15A
- PCH-10 Torch
- Light Duty – 29 lbs.



PAK® 200

- 1 1/2" (40mm) Recommended Cut Capacity
- 2 3/4" (70mm) Maximum Cut
- 35-200 Amp, Adjustable
- Duty Cycle: 100% @ 200A
- PCH-200 Torch
- Liquid-Cooled Torch
- Dual Gas Capacity



1Torch® RPT® Torches

1Torch – the most innovative and reliable, high performance replacement torch available today. No other torch performs so well with so many major brands of power supplies, often with cutting results better than the original manufacturer's torch:

- easily attached to virtually all manufacturers' systems with superior performance
- includes the SureLok® electrode locking system permitting quick, precise changes of consumables
- out-of-the-box ready for all modes of operation including Drag Shield Cutting, Standoff Cutting and Drag Tip Cutting
- no moving consumable parts
- standard set of consumables for all power supplies

All you need is the 1Torch RPT torch and the appropriate Adapter Kit. Each torch comes complete with easy-to-install instructions.

ATC® Quick Disconnect Option

If you need additional flexibility, the 1Torch RPT torch is also available with ATC (Advanced Torch Connector). This quick disconnect enables you to change out a damaged torch, convert from a hand to machine torch, or put on a different sized torch in a matter of seconds. And no tools are required to complete the task. You can also customize the length of your leads by adding ATC Lead Extensions in 15 ft. (4.6m), 25 ft. (7.6m) or 50 ft. (15.2m) lengths.



1Torch SL60® (Lincoln Pro-Cut 55 Compatible)

(Brochure #63-2217 / 63-2530 for SL55)

- Light / Medium Duty Torch
- 30-80 Amp Capacity
- Available in 75° Torch Head Configuration
- Standard Connection or ATC Quick Disconnect Available (not for SL55)



1Torch SL100® (Lincoln Pro-Cut 80 Compatible)

(Brochure #63-2217 / 63-2530 for SL80)

- Medium / Heavy Duty Torch
- 40-120 Amp Capacity
- Available in 75° or 180° (not for SL80) Torch Head Configurations
- Standard Connection or ATC Quick Disconnect Available (not for SL80)



Torch Adapter Kits

The model of the plasma cutting system must be known to determine the adapter kit required.

Manufacturer		Manufacturer	
Power Supply Model	Cat No.	Power Supply Model	Cat No.
AIRCO®/BOC®		LINCOLN®	
PCS-43	7-3425	Pro-Cut® 40	7-3486
PCS-53, PCS-80, PCS-90	7-3435	Pro-Cut® 55	see 63-2530 for details
CEBORA®		Pro-Cut® 60	7-3431
50	7-3438	Pro-Cut® 80	see 63-2530 for details
Pocket 25	7-3476	MARQUETTE®	
CENTURY®		12/150, 12/200	7-3476
82020*, 82050*, M2050*	7-3476	MATCO®	
82100	7-3430	2020*, 2050*	7-3476
DAIHEN®		MILLER®	
SC-60P	7-3432	Plazcut 60†/Zipcut	7-3432
MRAT-70	7-3437	Spectrum® 250D, 500, 750	7-3433
DAYTON®		Spectrum® 700, 1000‡, 1250, PLUS	7-3430
3W722A*, 5Z031B*	7-3476	Spectrum® 3080*	7-3456
ESAB® (yellow)		Spectrum® 650*, 701*, 2050*	7-3457
PCM-SMi, 500i, 625i, PCS-43	7-3425	Spectrum® 300*	7-3476
PCS-53, 80, 90	7-3435	Spectrum® 375*	7-3477
ESP-100i	7-3426	Spectrum® 625*	7-3478
PCM-750i, 875, 1000i, 1125	7-3429	MULTIQUIP MQ®	
Sidewinder 30, 55, 105	7-3434	PCX50SS	7-3437
Powercut® 650	7-3464	NU-TECSYS®	
Powercut® 875, 1125	7-3465	Omnicut 375	7-3438
Powercut® 1250, 1500	7-3462	PCA-30/60, 65	7-3441
HARRIS®		OTC	
System 50, 65, 100	7-3439	Panasonic® D-5000, D-7000	7-3437
HOBART®		P-TRON®	
Smoothcut 30, 625	7-3425	P-Tron 75, 100	7-3437
Smoothcut 50 (single gas), 100	7-3426	POWCON®	
Smoothcut 50 (dual gas)	7-3428	Starcut	7-3430
Smoothcut II 35A, 60A, 100A	7-3427	SMITH®	
Fab Shop	7-3440	Powerpro 55, 75	7-3487
Cybercut 2050*	7-3457	SPC-30, 20-50, 40-80	7-3442
HYPERTHERM®		SNAP-ON®	
Max® 40, HT® 40 (H/F Start), Max® 70, Max® 80, Max® 100 w/ & w/o Q.D.	7-3430	YA-3230, YA-3440	7-3430
Max® 42*, 43*, 40cs*, powermax® 600*, 800*, 900* w/ Q.D.	7-3454	YA-2230*, YA-5550*, YA-5550A*	7-3476
powermax® 1100*	7-3455	SOLAR®	
powermax® 1000*, 1250*	7-3461	SOL 2020* (118-009, 118-010), SOL 2050* (118-015, 118-016)	7-3476
Max® 40cs* (w/o Q.D.)	7-3476	SOL 2105, SOL 2106	7-3430
powermax® 380*	7-3477	THERMAL DYNAMICS®	
powermax® 600* w/o Q.D.	7-3480	PAK® 3XR, 5XT, 5XR, 6XR, 7XR, 625XR, 750XR	7-3446
powermax® 800*, 900* w/o Q.D.	7-3481	PAK® 8XR, 10XR, 1000XR, 1250XR, PakMaster® 75, 100	7-3434
powermax® 1650*	7-3483	PakMaster® 50XL/XLP, 75XL/XLP, PakMaster® 100XL/XLP, CUTMASTER® 50, 75, 80XL, 100	7-3447
powermax® 350*	7-3484	PakMaster® 25, 38XL,	7-3443
powermax® 190C*	7-3485	EconoPAK® 25, Drag-Gun® 38, PAK® 4Xi, 6Xi, 2XT, Dynapak® 110	7-3445
L TEC® (green)		PakMaster® 50 w/ Smart Torch (Q.D.)	7-3449
PCM-31, SMi, 32i/34i, VPi,	7-3425	EconoPAK® 50	7-3449
PCM-500i, 625i, PCS-80i	7-3426	EconoPAK® 100	7-3450
PCM-50A, 70, 80, 52i/54i, 82i/84i,	7-3426	PAK® 5	7-3444
ESP-100i, PCM-50, PCM-100 (Single Gas)	7-3426	PAK® 10	7-3436
PCM-50, PCM-100 (Dual Gas)	7-3430		
PCS-40	7-3430		
PCM-750i, 1000i	7-3435		
PCM-101	7-3436		

* Non-HF Systems.
† The Miller PlazCut 60 machines with Serial Numbers beginning JE are not compatible with 1Torch® RPT® Torches.
‡ The Miller Spectrum 1000 machines with Serial Numbers beginning LF are not compatible with 1Torch RPT Torches.
NOTES: Each Adapter Kit includes connection fitting, electrical connectors and installation instruction sheets for the selected power supply.
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1Torch® Consumable Parts Application Guide

For SL60® / SL100® Manual Cutting and Gouging Operations.

Drag Tip Cutting

The preferred method of cutting light gauge metal up to 3/16" (4.8mm) thickness. Produces the best cut quality, narrowest kerf width, fastest cutting speeds, with little to no distortion. 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 for cutting metal thicker than 3/16" (4.8mm) 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 1/8" to 1/4" from the workpiece). 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.

Drag Shield Cutting

This is an operator-friendly method of cutting between 70 to 120 Amps while maintaining a constant standoff distance. For metal thicknesses greater than 3/16" (4.8mm) simply drag the Shield Cap in contact with the workpiece. 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 sheetmetal.

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. Can use the Shield Cup Body with either the Gouging Shield Cap or the Shield Deflector. Can also use the single piece Shield Cup.

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

1Torch Consumable Parts Selection Guide

For SL60 / SL100 Manual Cutting and Gouging Operations. Various front-end parts are available for different applications. The electrode and start cartridge remain the same for all applications.



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

Accessories

Thermal Dynamics® offers accessories to help improve cutting performance.

Torch Cutting Guides / Guide Kits

Cutting Guide Kit (Deluxe)

Cat. No. 7-8910

Cuts circles from 2.125" (54mm) to 41.5" (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 Kit (7-3291), Magnetic Pivot, Suction Pivot.



Circle Cutting Guide Kit

Cat. No. 7-3291

Cuts 2.125" (54mm) to 27.75" (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).



Radius / Roller Cutting Guide Kit

Cat. No. 7-7501

This easy-to-use guide cut circles from 3" (76mm) up to 28.75" (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.



Torch Guide / Circle Cutting Attachment

Cat. No. 7-7505

Cuts 3.5" (89mm) to 29" (737mm) circles. Designed for use with the PCH/M-120 Torch, this accessory can be used as either a Roller Guide or a Circle Cutting Guide.



Straight Line Cutting Guide

Cat. No. 7-8911

Introducing a new cutting guide accessory suitable for all hand torches, PCH-10 through PCH-102. 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: 4 ft. (1.2m) standard rail Torch Holder and Busing Heavy Duty Magnets (2 ea.) Slide Assembly Wheels and Fasteners. Optional 4 ft. (1.2m) extensions (9-7971) available.



Torch Cutting Guides (cont.)

Universal Standoff Cutting Guide

Cat. No. 9-8422

A great new standoff guide specifically designed to fit all shield cup designs for PCH-62, PCH-102, SL60® and SL100® RPT® torches. Adjustable standoff height.



CUTMASTER® TRUE™ Series Standoff Cutting Guides

Cat. No. 9-8281 (CUTMASTER 52, 82, 102 & 152)

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



Miscellaneous Torch Accessories

Leather Leads Cover

15 ft. (4.6m)	9-1258
20 ft. (6.1m)	9-1260
25 ft. (7.6m)	9-1270
50 ft. (15.2m)	9-1280



These leads covers are suitable for both 1Torch® and SureLok® leads. Snaps make it easy to install. Snap two covers together for wider torches.

Torch Protector

Cat. No. 9-8135 for 70° Torch,

Cat. No. 9-8136 for 90° Torch

For use with the PCH-120 Torch. Rugged protector easily snaps onto torch providing excellent protection against damage caused by excessive heat or metal sparks. Great accessory for your gouging project.



Trigger Guard Kits

SureLok Torches (PCH-62 & PCH-102)

Cat. No. 9-8418 - Short Trigger Guard,

Cat. No. 9-8419 - Long Trigger Guard

1Torch (SL60 & 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 - 20 ft. (6.1m)

Remote Pendant Control for your mechanized application.



Hand Pendant Extension

Cat. No. 7-7744 - 25 ft. (7.6m)

ATC® Lead Extensions*

15 ft. (4.6m)	7-7544
25 ft. (7.6m)	7-7545
50 ft. (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.



* Note: For use with hand & mechanized torches only. Will not work with automation torch & leads.

Miscellaneous Torch Accessories (cont.)

1Torch® Leads Packages

(For CUTMASTER® TRUE™ Series and A-Series)

HAND

SL60®	20 ft. (6.1m) Torch/Leads	7-5204
	50 ft. (15.2m) Torch/Leads	7-5205
SL100®	20 ft. (6.1m) Torch/Leads	7-5206
	50 ft. (15.2m) Torch/Leads	7-5208

AUTO

SL100 SV 180°	25 ft. (7.6m) Torch/Leads	7-4001
	35 ft. (10.7m) Torch/Leads	7-4002
	50 ft. (15.2m) Torch/Leads	7-4003

MECHANIZED

SL100 180°	5 ft. (1.5m) Torch/Leads	7-5213
	10 ft. (3.0m) Torch/Leads	7-5214
	25 ft. (7.6m) Torch/Leads	7-5215
	50 ft. (15.2m) Torch/Leads	7-5216

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.



Two Stage Air Filters

Cat. No. 7-7502

For PakMaster 150XL Systems

Cat. No. 7-7500

For CUTMASTER 1Series™ and PakMaster® Systems

Cat. No. 9-9387

For CUTMASTER TRUE Series and A-Series

The Two Stage Air Filter will remove moisture and contaminants from the air stream when using compressed air. The filter is capable of filtering to at least 5 microns. The filter assembly is pre-assembled at the factory and need only be installed on the power supply.



First Stage Element
Cat. No. 9-1021

Second Stage Element
Cat. No. 9-1022

Automation Accessories

Automation Interface Kit*

Cat. No. 9-8311 - For CUTMASTER TRUE Series and A-Series

* Note: Required for SC-11 torch height control

CNC Harness Cable

Cat. No. 9-9385 - For CUTMASTER TRUE Series (Manual & Mechanized)

CNC Interface Cable

25 ft. (7.6m)	9-8312
50 ft. (15.2m)	9-8313
75 ft. (22.8m)	9-8315
100 ft. (30.5m)	9-8316
125 ft. (38.0m)	9-8317

Pinion Assembly

Cat. No. 7-2827 (1³/₈" / 35mm Diameter)

Portable Gear

Multi-Purpose Cart

Cat. No. 7-8888

Designed for most portable manual cutting systems such as the CUTMASTER 39, 52, 82 or any other similar sized systems.

This rugged steel cart has easy rolling 8" (203mm) diameter wheels along with 3" (76mm) front mounted casters. This cart also serves as an excellent showroom display stand.



Miscellaneous Accessories

Dust Covers

Cat. No. 9-7072

(for CUTMASTER 39, 52, 82, 102, & 152 Systems)



Tool Boxes

Cat. No. 8-3141 - Small, Cat. No. 9-4173 - Large

Plastic boxes with handy compartments for storage of your torch consumables. Small (8.375" x 4.25" x 1.75" / 213mm x 108mm x 44mm), Large (17.5" x 7.75" x 3" / 445mm x 197mm x 76mm)



Welding Gloves

Cat. No. 9-1250



Torch Coolant

Extra Cool™ Coolant

Cat. No. 7-3580

Resists freezing down to +10°F (-12°C)



Ultra Cool™ Coolant

Cat. No. 7-3581

Resists freezing down to -27°F (-33°C)

Extreme Cool™ Coolant

Cat. No. 7-3582

Resists freezing down to -65°F (-51°C)

De-I Cool™ Coolant

Cat. No. 7-3583

De-ionized water mixture for use where freezing protection is not required.