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*This information is accurate to the best of our knowledge at the time of printing and is subject to change at any time at Victor's sole discretion.*
Dr. James Browning, Founder

1957
Dr. James Browning & Merle Thorpe founded Thermal Dynamics.

1970
First PAK unit-power supply, cooling system, and console combined into one unit.

1975
PAK 44 incorporated plug-in relays, torch auto-pilot, and constant current.

1980
First single phase machine introduced, PAK 5.

1982
PAK-3, the first PAC system to use air as plasma gas for cutting.

1985
PAK-4 introduced, the first PAC system to use air as plasma gas for cutting and welding.

1987
PAK 54 introduced, providing more portability.

1990
Plasma gouging introduced, PAK 15XC.

1997
PakMaster, XL series and the Drag-Gun introduced as the first cutting system with a built-in air compressor.

1998
Econopak introduced as the first cutting system with a built-in air compressor.

1999
PakMaster XL series and the Drag-Gun introduced as the first cutting system with a built-in air compressor.
AT THE FOREFRONT OF PLASMA CUTTING INNOVATION

1998
The Drag-Gun® introduced as the first cutting system with a built-in air compressor.

1999
PakMaster® XL Plus Series introduced.

2002
• Torch and ATC connection were introduced with SureLoc® technology.
  • First non-High Frequency system introduced with the Cutmaster® 38.

2000
• Cutmaster® 50 & Sure Lok® RPT torches introduced.
  • Cutmaster® 50 & Sure Lok® RPT replacement torches introduced.

2004
• Cutmaster® 1 Series introduced.
  • 5/10/101 launched.

2008
• Cutmaster® TRUE Series launched.
  • 39/52/82/102/152 launched.

2011
• Cutmaster® 42 with SL40 torch utilizing V2S technology.

2014
Thermal Dynamics becomes an ESAB Brand.
PLASMA SYSTEMS

CUTMASTER® TRUE™ SERIES

PLASMA CUTTING SYSTEMS

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 one-half inch recommended capacity machine will cut one-half inch material ALL DAY, EVERY DAY. NO EXCEPTIONS.

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 4 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 on our larger plasma systems.*

TRUTH #4
- True Tip™ - The Victor Thermal Dynamics Cutmaster TRUE Series plasma system offers the only 60 Amp drag cutting tip on the market today.*

TRUTH #5
- True Flexibility - The multi-voltage Cutmaster TRUE Series features the versatile and patented 1Torch® with SureLok® technology and consumable parts, lead extensions which provide cutting up to 100’ (30.5 m) from power supply, and the flexibility to move quickly from hand to mechanized cutting all with the change of a Torch. (Add PCB for CNC interface).*

TRUTH #6
- True Portability - The Cutmaster TRUE Series offers lighter, more portable machines without compromising performance.

* Not available on the CUTMASTER 42

CUTMASTER42

LIGHT DUTY

The Cutmaster 42 is one of the most affordable, highest quality 120V 1/4” (6 mm) plasma systems on the market. At 230V, the Cutmaster 42 delivers 40A, a recommended cut of 3/8”. As part of the TRUE Series, you can rely on the Cutmaster 42 to cut all day at its recommended cutting capacity and to pack more punch when you need it. The Cutmaster 42 incorporates Vent2Shield (V2S) technology allowing the use of a considerably smaller compressor (less weight to carry, can be used with 120V) compared to similar 40A units.

- Auto body / marine repair
- Plumbing & HVAC
- Home shop
- Metal building & roofing construction
- Rental fleets
- 4-Year Warranty power supply
- 1-Year warranty torch

PERFORMANCE
- Maximum Cut -
  5/8” (15 mm) @ 120V,
  7/8” (22.2 mm) @ 230V
- Recommended Cut -
  1/4” (6 mm) @ 120V,
  3/8” (9.5 mm) @ 230V
- Pierce Rating -
  1/4” (6 mm) @ 120V,
  3/8” (9.5 mm) @ 230V
- Max Amperage Output -
  27A @ 120V,
  40A @ 230V
- Output Power - 3.8 kW

DIMENSIONS
- 7” W x 9” H x 18.5” D
  (177 mm x 228 mm x 470 mm)

WEIGHT
- 26 lbs (11.8 kg)

TORCH
- SL40
- Air Pressure - 75 psi (5.2 bar)
- 3.2 cfm (91 l/m)

INPUT VOLTAGE
- 120/230V, 1 ph, 50/60 Hz

DUTY CYCLE (@ 40º C)
- 40% @ 40A @ 230V

AMPERAGE DRAW
- 29A @ 120V
- 15A @ 230V

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Torch</th>
<th>Input Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-4200</td>
<td>SL40™ 75° hand torch</td>
<td></td>
</tr>
<tr>
<td></td>
<td>15 ft (4.5 m) lead</td>
<td>120/230V 1 Phase</td>
</tr>
<tr>
<td>1-4200-7 (CSA)</td>
<td>SL40 75° hand torch</td>
<td>15 ft (4.5 m) lead</td>
</tr>
<tr>
<td>1-4200-7 (CSA)</td>
<td>SL40 75° hand torch</td>
<td>15 ft (4.5 m) lead</td>
</tr>
<tr>
<td>7-0040</td>
<td>SL40 w/ATC, 75° hand torch</td>
<td>15 ft (4.5 m) lead</td>
</tr>
</tbody>
</table>

SL40 CONSUMABLES

<table>
<thead>
<tr>
<th>Electrode</th>
<th>Start Cartridge</th>
<th>Tip</th>
<th>Shield Cup</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-0096</td>
<td>9-0097</td>
<td>9-0091 (20A) DRAG</td>
<td>9-0098</td>
</tr>
<tr>
<td>9-0093 (40A) DRAG</td>
<td>9-0094 (40A) STANDOFF</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

U.S. Customer Care: 1-800-426-1888 / FAX 1-800-535-0557
Canada Customer Care: 1-905-827-4515 / FAX 1-800-588-1714


**CUTMASTER 52**

**MEDIUM DUTY**

The Cutmaster 52 is the most powerful 1/2” (12 mm) machine on the market today. This unit cuts through mild, stainless, or aluminum up to 1 1/8” (30 mm) thick. The Cutmaster 52 combines power with the well known performance and features of the industry-leading 1Torch®.

- Construction
- Maintenance
- Repair
- Fabrication
- 4-Year warranty
- power supply
- 1-Year warranty torch

**PERFORMANCE**

- Maximum Cut - 1 1/8” (30 mm)
- Recommended Cut - 1/2” (12 mm)
- Pierce Rating - 1/2” (12 mm)
- Max Amperage Output - 60A
- Output Power - 6.2 kW

**DIMENSIONS**

12” W x 15” H x 24” D
(305 mm x 381 mm x 610 mm)

**WEIGHT**

43 lbs (19.5 kg)

**TORCH**

SL60
- Air Pressure - 75 psi (5.2 bar)
- 6.7 cfm (190 l/m)

**INPUT VOLTAGE**

- 208-230V/460V, 1/3 ph, 50/60 Hz
- 400V, 3 ph, 50 Hz
- 600V, 3 ph, 50/60 Hz

**DUTY CYCLE (@ 40° C)**

- 40% @ 60A
- 60% @ 50A
- 100% @ 30A

**AMPERAGE DRAW**

- 45A @ 230V, 1 ph
- 24A @ 230V, 3 ph
- 16A @ 460V, 3 ph

---

**CUTMASTER 82**

**MEDIUM/HEAVY DUTY**

The Cutmaster 82 weighs in at a mere 43 lbs (19.5 kg) while still offering superior cutting power. Don’t let the size of this unit fool you, it’s more than capable of cutting 3/4” (20 mm) with a maximum capability of 1 1/2” (40 mm). This unit, like all other TRUE® Cutmasters, is equipped with the 1Torch®.

- Heavy fabrication
- Manufacturing
- Contractors
- 4-Year warranty
- power supply
- 1-Year warranty torch

**PERFORMANCE**

- Maximum Cut - 1 1/2” (40 mm)
- Recommended Cut - 3/4” (20 mm)
- Pierce Rating - 5/8” (15 mm)
- Max Amperage Output - 80A
- Output Power - 9 kW

**DIMENSIONS**

12” W x 15” H x 24” D
(305 mm x 381 mm x 610 mm)

**WEIGHT**

43 lbs (19.5 kg)

**TORCH**

SL60
- Air Pressure - 70 psi (4.8 bar)
- 6.7 cfm (190 l/m)

**INPUT VOLTAGE**

- 208-230V/460V, 1/3 ph, 50/60 Hz
- 400V, 3 ph, 50 Hz
- 600V, 3 ph, 50/60 Hz

**DUTY CYCLE (@ 40° C)**

- 40% @ 80A
- 60% @ 65A
- 100% @ 55A

**AMPERAGE DRAW**

- 72A @ 230V, 1 ph
- 39A @ 230V, 3 ph
- 21A @ 460V, 3 ph

---

Cutmaster Systems include: Power supply, torch, spare parts kit, input power cable, work cable and clamp, and an instructional DVD. See pages 14-15 for accessories and page 13 for torch consumable parts.

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Cutmaster Systems include: Power supply, torch, spare parts kit, input power cable, work cable and clamp, and an instructional DVD. See pages 14-15 for accessories and page 13 for torch consumable parts.
### CUTMASTER 102

**HEAVY DUTY**

The Cutmaster 102 weighs in at 62 lbs and provides 100 amps of cutting power. 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 1 3/4" (45 mm). More cut capacity than any other system in its class!

- Heavy fabrication
- Manufacturing
- 4-Year warranty power supply
- 1-Year warranty torch

**PERFORMANCE**
- Maximum Cut - 1 3/4" (45 mm)
- Recommended Cut - 1" (25 mm)
- Pierce Rating - 1/2" (12.7 mm)
- Max Amperage Output - 100A

**DIMENSIONS**
- 12" W x 15" H x 30" D
  (305 mm x 381 mm x 762 mm)

**WEIGHT**
- 62 lbs (28.1 kg)

**TORCH**
- SL100
- Air Pressure - 70 psi (4.8 bar)
- 7.5 cfm (212 l/m)

**INPUT VOLTAGE**
- 208-230/460V, 1/3 ph, 50/60 Hz
- 400V, 3 ph, 50 Hz
- 600V, 3 ph, 50/60 Hz

**DUTY CYCLE (@ 40° C)**
- 60% @ 100A
- 80% @ 80A
- 100% @ 70A

**AMPERAGE DRAW**
- 95A @ 230V, 1 ph
- 45A @ 230V, 3 ph
- 29A @ 460V, 3 ph

**CUTMASTER 152**

**EXTRA HEAVY DUTY**

The Cutmaster 152, weighing only 62 lbs, offers multi-voltage 1-or 3-phase input capability and provides 120 amps of cutting power for a 1 1/4" (30 mm) recommended cut and 2" (50 mm) maximum cut. This compact unit, like all other Cutmasters, comes standard with the 1Torch® providing you with the well known comfort and reliability famous throughout the industry.

- Heavy fabrication
- Manufacturing
- 4-Year warranty power supply
- 1-Year warranty torch

**PERFORMANCE**
- Maximum Cut - 2" (50 mm)
- Recommended Cut - 1 1/4" (30 mm)
- Pierce Rating - 1" (25 mm)
- Max Amperage Output - 120A
- Output Power - 15.4 kW

**DIMENSIONS**
- 12" W x 15" H x 30" D
  (305 mm x 381 mm x 762 mm)

**WEIGHT**
- 62 lbs (28.1 kg)

**TORCH**
- SL100
- Air Pressure - 70 psi (4.8 bar)
- 7.5 cfm (212 l/m)

**INPUT VOLTAGE**
- 208-230/460V, 1/3 ph, 50/60 Hz
- 400V, 3 ph, 50 Hz
- 600V, 3 ph, 50/60 Hz

**DUTY CYCLE (@ 40° C)**
- 80% @ 120A
- 100% @ 100A

**AMPERAGE DRAW**
- 120A @ 230V, 1 ph
- 56A @ 230V, 3 ph
- 37A @ 460V, 3 ph

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<table>
<thead>
<tr>
<th>Part No.</th>
<th>Torch</th>
<th>Input Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-1330-1</td>
<td>SL100° 75° hand torch 20 ft (6.1 m) lead</td>
<td>208-230V, 1 Phase</td>
</tr>
<tr>
<td>1-1330-2</td>
<td>SL100° 75° hand torch 20 ft (6.1 m) lead</td>
<td>460V, 3 Phase</td>
</tr>
<tr>
<td>1-1330-5</td>
<td>SL100° 75° hand torch 20 ft (6.1 m) lead</td>
<td>600V, 3 Phase</td>
</tr>
<tr>
<td>1-1331-1</td>
<td>SL100° 75° hand torch 50 ft (15.2 m) lead</td>
<td>208-230V, 1 Phase</td>
</tr>
<tr>
<td>1-1331-2</td>
<td>SL100° 75° hand torch 50 ft (15.2 m) lead</td>
<td>460V, 3 Phase</td>
</tr>
<tr>
<td>1-1331-5</td>
<td>SL100° 75° hand torch 50 ft (15.2 m) lead</td>
<td>600V, 3 Phase</td>
</tr>
</tbody>
</table>

Cutmaster Systems include: Power supply, torch, spare parts kit, input power cable, work cable and clamp, and an instructional DVD. See pages 14-15 for accessories and page 13 for torch consumable parts.
# CUTMASTER TRUE SERIES SELECTION GUIDE

## CUTMASTER TRUE SERIES SYSTEM SPECIFICATIONS*

<table>
<thead>
<tr>
<th></th>
<th>Cutmaster 42</th>
<th>Cutmaster 52</th>
<th>Cutmaster 82</th>
<th>Cutmaster 102</th>
<th>Cutmaster 152</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Amperage Output</td>
<td>40 amps</td>
<td>60 amps</td>
<td>80 amps</td>
<td>100 amps</td>
<td>120 amps</td>
</tr>
<tr>
<td>Kilowatt Output</td>
<td>3.8 kW</td>
<td>6.2 kW</td>
<td>9 kW</td>
<td>12 kW</td>
<td>15.4 kW</td>
</tr>
<tr>
<td>Recommended Cut</td>
<td>3/8&quot; (10 mm) @ 230V 1/4&quot; (6 mm) @ 120V 3/8&quot; (12 mm) @ 230V 3/4&quot; (20 mm) @ 120V</td>
<td>1/2&quot; (12 mm) @ 230V 3/4&quot; (15 mm) @ 120V 1 1/2&quot; (40 mm) @ 120V 1/4&quot; (30 mm) @ 230V</td>
<td>1&quot; (25 mm) @ 230V 1 1/8&quot; (30 mm) @ 120V 1 3/4&quot; (45 mm) @ 120V 1&quot; (25 mm) @ 230V</td>
<td>1 3/4&quot; (45 mm) @ 120V 2&quot; (50 mm) @ 120V</td>
<td>2&quot; (50 mm) @ 230V</td>
</tr>
<tr>
<td>Maximum Cut</td>
<td>3/8&quot; (10 mm) @ 230V 1/2&quot; (12 mm) @ 230V 1 1/2&quot; (15 mm) @ 230V 5/8&quot; (15 mm) @ 120V</td>
<td>1 1/8&quot; (30 mm) @ 230V 1/4&quot; (15 mm) @ 230V 1 1/2&quot; (40 mm) @ 120V 7/8&quot; (22.2 mm) @ 230V</td>
<td>1 1/8&quot; (30 mm) @ 120V 1/2&quot; (12 mm) @ 120V 1 1/2&quot; (40 mm) @ 120V 1 1/4&quot; (30 mm) @ 230V</td>
<td>1 3/4&quot; (45 mm) @ 120V 2&quot; (50 mm) @ 120V 1&quot; (25 mm) @ 230V</td>
<td>2&quot; (50 mm) @ 230V</td>
</tr>
<tr>
<td>Pierce Rating</td>
<td>3/8&quot; (10 mm) @ 230V 3/8&quot; (15 mm) @ 120V 1/2&quot; (12 mm) @ 230V 3/4&quot; (15 mm) @ 120V</td>
<td>5/8&quot; (15 mm) @ 230V 1/4&quot; (15 mm) @ 230V 1 1/4&quot; (30 mm) @ 120V 1 1/2&quot; (40 mm) @ 120V</td>
<td>1/2&quot; (12 mm) @ 120V 1/4&quot; (15 mm) @ 120V 3/8&quot; (15 mm) @ 120V 1 1/4&quot; (30 mm) @ 230V</td>
<td>1 1/2&quot; (40 mm) @ 120V 2&quot; (50 mm) @ 120V 1&quot; (25 mm) @ 230V</td>
<td>2&quot; (50 mm) @ 230V</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>208-230V, 1 ph, 50/60 Hz</td>
<td>208-230V/460V, 1/3 ph, 50/60 Hz</td>
<td>208-230V/460V, 1 ph, 50/60 Hz</td>
<td>208-230V/460V, 1/3 ph, 50/60 Hz</td>
<td>208-230V/460V, 1/3 ph, 50/60 Hz</td>
</tr>
<tr>
<td>Duty Cycle (@ 40° C)</td>
<td>40% @ 40A</td>
<td>40% @ 60A</td>
<td>40% @ 60A</td>
<td>60% @ 100A</td>
<td>–</td>
</tr>
<tr>
<td>Amperage Draw</td>
<td>120V 29A</td>
<td>230V 45A</td>
<td>230V 72A</td>
<td>230V 95A</td>
<td>230V 118A</td>
</tr>
<tr>
<td>Work Cable</td>
<td>10’ (3 m)</td>
<td>20’ (6.1m)</td>
<td>20’ (6.1m)</td>
<td>20’ (6.1m)</td>
<td>20’ (6.1m)</td>
</tr>
<tr>
<td>Dimensions H W D</td>
<td>9” (228 mm) 7” (177 mm) 18.5” (470 mm)</td>
<td>15” (381 mm) 12” (305 mm) 24” (610 mm)</td>
<td>15” (381 mm) 12” (305 mm) 24” (610 mm)</td>
<td>15” (381 mm) 12” (305 mm) 30” (762 mm)</td>
<td>15” (381 mm) 12” (305 mm) 30” (762 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>26 lbs (11.8 kg) 43 lbs (19.5 kg) 43 lbs (19.5 kg)</td>
<td>43 lbs (19.5 kg) 43 lbs (19.5 kg) 62 lbs (28.1 kg)</td>
<td>43 lbs (19.5 kg) 43 lbs (19.5 kg) 62 lbs (28.1 kg)</td>
<td>43 lbs (19.5 kg) 43 lbs (19.5 kg) 62 lbs (28.1 kg)</td>
<td>43 lbs (19.5 kg) 43 lbs (19.5 kg) 62 lbs (28.1 kg)</td>
</tr>
<tr>
<td>Warranty (Parts &amp; Labor)</td>
<td>4 Year Power Supply, 1 year Torch</td>
<td>4 Year Power Supply, 1 year Torch</td>
<td>4 Year Power Supply, 1 year Torch</td>
<td>4 Year Power Supply, 1 year Torch</td>
<td>4 Year Power Supply, 1 year Torch</td>
</tr>
</tbody>
</table>

### Torch Configuration

- **Hand Torch (Supplied)**: SL40 w/ ATC, 75° hand torch SL60 w/ATC, 75° hand torch SL60 w/ATC, 75° hand torch SL100 w/ATC, 75° hand torch SL100 w/ATC, 75° hand torch
- **Automated & Mechanized Torch**: SL100 (Optional) SL100 (Optional) SL100 (Optional) SL100 (Optional) SL100 (Optional)
- **Air Pressure**: 75 psi (5.2 bar) 75 psi (5.2 bar) 70 psi (4.8 bar) 70 psi (4.8 bar) 70 psi (4.8 bar)
- **Flow**: 3.2 cfm (91 l/m) 6.7 cfm (190 l/m) 6.7 cfm (190 l/m) 7.5 cfm (212 l/m) 7.5 cfm (212 l/m)

### Ordering Information by Torch

- **SL40 - 15 ft (4.5 m) lead**: 1-4200 / 1-4200-7 (CSA)
- **SL60 - 20 ft (6.1 m) lead**: – 1-5130-V** 1-1130-V** – –
- **SL60 - 50 ft (15.2 m) lead**: – 1-5131-V** 1-1131-V** – –
- **SL100 - 20 ft (6.1 m) lead**: – – – 1-1330-V** 1-1730-V**
- **SL100 - 50 ft (15.2 m) lead**: – – – 1-1331-V** 1-1731-V**

*Subject to change without notice

**V (Pre-configured Voltage): 1 = 208/230V, 1 phase; 2 = 460V, 3 Phase; 5 = 600V, 3 Phase

**Note:** All Cutmaster TRUE Series systems are designed to accept multi-voltage input; they can be ordered pre-configured for the voltage most likely to be used. The "-1" and "-2" configurations of catalog numbers listed are set up so that the machine is ordered in the configuration most often used by the individual customer, so that they do not need to add or change input power cable to operate upon receipt of the machine.

---

*Systems include: power supply, hand torch, spare parts kit, input power cable (selected systems), work cable, and clamp

Int'l Customer Care: 1-940-381-1212 / FAX 1-940-483-8178

esab.com
### AIRCUT™ 15C

**LIGHT DUTY**
Portable plasma cutting system with built-in air compressor. This unit comes standard with a built-in air compressor. Weighs only 29 lbs (13.2 kg), almost 50% lighter than the competition. Superior cutting capacity - 1/8” (3 mm) recommended cut, 3/16” (5 mm) maximum capability. Easy to use - 120V, 15 Amp plug standard. Plug it in anywhere! Faster cut speeds - 25% more cutting power provides 25% faster cut speeds than the competition.

- Internal air compressor
- Lightweight
- 1/8” (3 mm) recommended cut capacity
- Easy to use
- Faster cut speeds

#### PERFORMANCE
- Maximum Cut - 3/16” (5 mm)
- Recommended Cut - 1/8” (3 mm)
- Output Current - 15 amps Fixed

#### DIMENSIONS
- 6.5” W x 9.5” H x 18” D
(165 mm x 241 mm x 457 mm)

#### WEIGHT
- 29 lbs (13.2 kg)
- Ship Weight - 38 lbs (17.2 kg)

#### INPUT VOLTAGE
- 120V (± 10%), Single Phase, 60 Hz., leff: 12 amps

#### DUTY CYCLE
- 35% @ 15A

#### SPECIFICATIONS
- Gas Type - Air from Built-In Air Compressor
- Work Cable - 19.5 ft (5.9 m)
- Input Cable - 8.5 ft (2.6 m)
- Pilot - CD Start
- Control - Hand Torch Switch

#### TORCH SPECIFICATIONS
- PCH-10
- Hand 70°
- 20’ (6.1 m) Leads

### DRAG-GUN® PLUS

**MEDIUM DUTY**
Portable plasma cutting system with built-in air compressor and humidity removal kit. 1/2” (12 mm) cut capacity. Maximum arc visibility for excellent operator control. Condenser minimizes (condenses) moisture content in the air supply!

- Internal air compressor
- 1/2” (12 mm) cut capacity
- Convenience and portability
- Maximum arc visibility for excellent operator control
- Condenser minimizes moisture content in the air supply!

#### PERFORMANCE
- Maximum Cut - 1/2” (12 mm)
- Output Current - 15-35 amps, Continuously Variable

#### DIMENSIONS
- 10.5” W x 11” H x 15.5” D
(267 mm x 279 mm x 394 mm)

#### WEIGHT
- 76 lbs (34.5 kg)
- Ship Weight - 85 lbs (38.6 kg)

#### INPUT VOLTAGE
- 230V (± 10%), Single Phase, 50/60 Hz., leff: 18 amps

#### DUTY CYCLE
- 35% @ 35 amps

#### SPECIFICATIONS
- Gas Type - Air from Built-In Air Compressor
- Work Cable - 20 ft (6.1m)
- Input Cable - 10 ft (3 m)
- Pilot - CD Start
- Control - Hand Torch Switch
- Panel Indicators - AC, Over Temp, * Air, Latch

#### TORCH SPECIFICATIONS
- SureLok® PCH-42ER
- Hand 70°
- 20’ (6.1 m) Leads

---

#### Part No. | Description |
--- | --- |
1-1110-1 | PCH-10 70° Hand Torch 20 ft (6.1 m) Leads, 120V 1 Phase |
2-1020 | PCH-10 70° Torch / 20’ (6.1 m) Leads |
7-8910 | Cutting Guide Kit |
9-1260 | 20 ft (6.1 m) Leather Leads Cover |
9-6003 | Shield Cup |
9-6099 | Tip |
9-6007 | Gas Distributor |
9-6006 | Electrode |

#### Part No. | Description |
--- | --- |
1-3835-1F | SureLok® PCH-42ER 70° Torch / 20’ (6.1m) Leads, 230V 50/60 Hz. 1 Phase (includes power supply, torch & leads, input power cable & plug, work cable & clamp, 3 tips, 2 electrodes, operators manual) |
7-4220 | SureLok® PCH-42ER 70° Torch / 20 ft (6.1m) Leads |
7-7501 | Radius/Roller Cutting Guide Kit |
9-1260 | 20 ft (6.1m) Leather Leads Cover |
9-6003 | Shield Cup |
9-6501 | Tip - 40A |
9-6542 | SureLok Electrode - 40A |
9-6507 | Gas Distributor |
9-8442 | Torch Head |
1TORCH SL60
LIGHT/MEDIUM DUTY TORCH (20-80 AMPS)

As a replacement (RPT®) torch, the 1Torch® has the ability to work on the majority of plasma power supplies on the market today. Its unique design allows the 1Torch the ability to work with high frequency, touch, CD, and moving parts (blow back) start systems.

75°
90°

STANDARD RPT (O2B) TORCH CONNECTION

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>75°</td>
<td>90°</td>
</tr>
<tr>
<td>7-5200</td>
<td>7-5261</td>
</tr>
<tr>
<td>7-5201</td>
<td>7-5262</td>
</tr>
</tbody>
</table>

ATC® TORCH CONNECTION

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>75°</td>
<td>90°</td>
</tr>
<tr>
<td>7-5204</td>
<td>7-5260</td>
</tr>
<tr>
<td>7-5205</td>
<td>7-5260</td>
</tr>
</tbody>
</table>

ATC ADAPTER KIT

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATC RECEPTACLE ADAPTER</td>
<td>7-5207</td>
</tr>
<tr>
<td>ATC RECEPTACLE ADAPTER</td>
<td>7-7544</td>
</tr>
<tr>
<td>ATC LEAD EXTENSIONS: OPTIONAL (FOR ATC CONNECTIONS ONLY)</td>
<td>7-7545</td>
</tr>
<tr>
<td></td>
<td>7-7552</td>
</tr>
</tbody>
</table>

1 Use 7-5260 with 7-7545 for a SL60 45' (13.7 m)
2 Use 7-5263 with 7-7545 for a SL100 45' (13.7 m)
3 This receptacle adapter is required for each power supply using an ATC torch connection. This is connected to the torch adapter kit specific to each power supply. Total lead length including torch and extension(s), should not exceed the maximum length specified by the power supply manufacturer.

1TORCH SL100
MEDIUM/HEAVY DUTY TORCH (20-120 AMPS)

Hand Torches offer ergonomic handles with easy-to-use trigger release that provides comfort during prolonged use. 75° and 90° heads offer operators a choice of positions.

75°
90°

STANDARD RPT (O2B) TORCH CONNECTION

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>75°</td>
<td>90°</td>
</tr>
<tr>
<td>7-5202</td>
<td>7-5264</td>
</tr>
<tr>
<td>7-5203</td>
<td>7-5265</td>
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</table>

ATC TORCH CONNECTION

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>75°</td>
<td>90°</td>
</tr>
<tr>
<td>7-5206</td>
<td>7-5263</td>
</tr>
<tr>
<td>7-5208</td>
<td>7-5263</td>
</tr>
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</table>

ATC ADAPTER KIT

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>ATC RECEPTACLE ADAPTER</td>
<td>7-5207</td>
</tr>
<tr>
<td>ATC LEAD EXTENSIONS: OPTIONAL (FOR ATC CONNECTIONS ONLY)</td>
<td>7-7544</td>
</tr>
<tr>
<td></td>
<td>7-7545</td>
</tr>
<tr>
<td></td>
<td>7-7552</td>
</tr>
</tbody>
</table>
## 1TORCH MECHANIZED SL100, AUTOMATION SL100SV

**MEDIUM/HEAVY DUTY TORCH (20-120 AMPS)**

Only 34 consumable parts cover the full range of cutting and gouging up to 120 amps. Inventorying parts for a fleet of plasma units can be simplified using the 1Torch.

### STANDARD RPT (O2B) TORCH CONNECTION

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-5209</td>
<td>SL100, 180°, 25' (7.6 m)</td>
</tr>
<tr>
<td>7-5210</td>
<td>SL100, 180°, 50' (15.2 m)</td>
</tr>
<tr>
<td></td>
<td>Remote Interface Adapter 7-3452 included with torch.</td>
</tr>
</tbody>
</table>

### ATC TORCH CONNECTION

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-5211</td>
<td>SL100, 180°, 25' (7.6 m)</td>
</tr>
<tr>
<td>7-5212</td>
<td>SL100, 180°, 50' (15.2 m)</td>
</tr>
<tr>
<td></td>
<td>Remote Interface Adapter 7-3452 included with torch.</td>
</tr>
</tbody>
</table>

### ATC ADAPTER KIT

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-3472</td>
<td>ATC Receptacle Adapter</td>
</tr>
<tr>
<td></td>
<td>ATC Remote Interface Kit - Interfaces into any torch adapter kit to allow the use of a Remote Pendant (7-3460) on any Mechanized torch system.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-3452</td>
<td>Remote Pendant Interface Kit - Interfaces into any torch adapter kit to allow the use of a Remote Pendant (7-3460) on any Mechanized torch system.</td>
</tr>
<tr>
<td>7-3460</td>
<td>Remote Pendant Control</td>
</tr>
<tr>
<td>9-8312</td>
<td>25' (7.6 m) CNC Remote Cable</td>
</tr>
<tr>
<td>9-8313</td>
<td>50' (15.2 m) CNC Remote Cable</td>
</tr>
</tbody>
</table>

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1. It is only recommended to install shielded torches onto a shielded ready system. Installation onto a non-shielded system may result in reduced performance. Installing a shielded torch on to a shielded system requires the shield connections to be terminated to a proper shield termination or earth ground point.

2. This receptacle adapter is required for each power supply using an ATC torch connection. This is connected to the torch adapter kit specific to each power supply. Total lead length including torch and extension(s), should not exceed the maximum length specified by the power supply manufacturer.

3. ATC Lead Extensions are for use on hand and mechanized torches only. Will not work with automated torches.
TORCH CONNECTION OPTIONS - REMOTE CONTROL

The diagrams below show the different torch connections with remote connection options.

Standard RPT Connection
(Note: Remote control is either 7-3460 Remote Pendant Control or is user supplied.)

ATC Torch Connection
(Note: Remote control is either 7-3460 Remote Pendant Control or is user supplied.)

RC = Remote Control
## PLASMA TORCH ADAPTER KITS SELECTION

Listed below is the Adapter Kit selection charts for the Hand 1Torch® RPT® torch.

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Power Supply Model</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ESAB®</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PCM-SMI, 500i, 625i, PCS-43</td>
<td>7-3425</td>
</tr>
<tr>
<td></td>
<td>PCS-53, 80, 90</td>
<td>7-3435</td>
</tr>
<tr>
<td></td>
<td>ESP-100i</td>
<td>7-3426</td>
</tr>
<tr>
<td></td>
<td>PCM-750i, 875, 1000i, 1125</td>
<td>7-3429</td>
</tr>
<tr>
<td></td>
<td>Sidewinder 30,55,105</td>
<td>7-3434</td>
</tr>
<tr>
<td></td>
<td>Powercut® 650</td>
<td>7-3464</td>
</tr>
<tr>
<td></td>
<td>Powercut 875, 1125</td>
<td>7-3465</td>
</tr>
<tr>
<td></td>
<td>Powercut 1250, 1500</td>
<td>7-3462</td>
</tr>
<tr>
<td><strong>HARRIS®</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>System 50, 65 and 100</td>
<td>7-3439</td>
<td></td>
</tr>
<tr>
<td><strong>HOBART®</strong></td>
<td>Smoothcut II 35A, 60A, and 100A</td>
<td>7-3427</td>
</tr>
<tr>
<td><strong>HYPERTERM®</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max® 40, HT®40 (H/F Start)</td>
<td>7-3430</td>
<td></td>
</tr>
<tr>
<td>Max 70, 80, 100 (w/ &amp; w/o Q.D.)</td>
<td>7-3454</td>
<td></td>
</tr>
<tr>
<td>Max 42”, 43”, 40cs”, Powermax® 600”, 800”, 900” (w/ Q.D.)</td>
<td>7-3454</td>
<td></td>
</tr>
<tr>
<td>Powermax® 1100”</td>
<td>7-3455</td>
<td></td>
</tr>
<tr>
<td>Powermax 1000”, 1250”</td>
<td>7-3461</td>
<td></td>
</tr>
<tr>
<td>Powermax 40cs” (w/o Q.D.)</td>
<td>7-3476</td>
<td></td>
</tr>
<tr>
<td>Powermax® 380”</td>
<td>7-3477</td>
<td></td>
</tr>
<tr>
<td>Powermax 600” (w/o Q.D.)</td>
<td>7-3480</td>
<td></td>
</tr>
<tr>
<td>Powermax 800”, 900” (w/o Q.D.)</td>
<td>7-3481</td>
<td></td>
</tr>
<tr>
<td>Powermax® 1650”</td>
<td>7-3483</td>
<td></td>
</tr>
<tr>
<td>Powermax® 350”</td>
<td>7-3484</td>
<td></td>
</tr>
<tr>
<td><strong>L TEC®</strong></td>
<td>PCM-31, SMI, 32/i34i, VPI</td>
<td>7-3425</td>
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<tr>
<td></td>
<td>PCM-500i, 625i, PCS-80i</td>
<td>7-3425</td>
</tr>
<tr>
<td></td>
<td>PCM-50A, 70, 80, 52/i54i, 82/i84i</td>
<td>7-3426</td>
</tr>
<tr>
<td></td>
<td>ESP-100i, PCM-50, PCM-100 (Single Gas)</td>
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<tr>
<td></td>
<td>PCM-50, P-MC-100 (Dual Gas)</td>
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<tr>
<td></td>
<td>PCS-40</td>
<td>7-3430</td>
</tr>
<tr>
<td></td>
<td>PCM-750i, 1000i</td>
<td>7-3435</td>
</tr>
<tr>
<td></td>
<td>PCM-101</td>
<td>7-3436</td>
</tr>
</tbody>
</table>

* Non-HF Systems.

† The Miller PlazCut machines with Serial Numbers beginning JE 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.

ESAB, L-TEC and Power-Cut are registered trademarks of ESAB AB; LINCOLN and Pro-Cut are registered trademarks of Lincoln Electric Co.; HYPERTERM, Max and powermax are registered trademarks of Hypertherm, Inc.; MILLER and Spectrum are registered trademarks of Miller Electric Mfg. Co.; none of the above mentioned registered trademarks are in any way affiliated with Thermal Dynamics or Victor Technologies; Thermal Dynamics, PAK, Cutmaster, PakMaster, EconoPAK, Dynapak and Drag-Gun are registered trademarks of Victor Technologies International, Inc.

---

**Manufacturer** | **Power Supply Model** | **Part No.**
---|---|---
**LINCOLN®** | Procut 60 | 7-3431
| Plazcut 60†/Zipcut | 7-3432|
| Spectrum® 250D, 500, 750 | 7-3433 |
| Spectrum 700, 1000,1250,PLUS | 7-3430 |
| Spectrum 3080* | 7-3456 |
| Spectrum 650*, 701*, 2050* | 7-3457 |
| Spectrum 300* | 7-3476 |
| Spectrum 375* | 7-3477 |
| Spectrum 625* | 7-3478 |
| **MILLER®** | | |
| **OTHERS** | OTC*: D-5000 and D-7000 | 7-3437 |
| | PTRON*: P-TRON 75 and 100 | |
| | Daiken*: MRAT-70 | |
| | Multiquip*: PCX50SS | |
| **SMITH** | Powerpro 55 and 75 | 7-3487 |
| **THERMAL DYNAMICS** | | |
| PakMaster 25, 38XL, EconoPAK® 25, Drag-Gun® 38, PAK 4XI, 6XI, PAK 2XT, Dynapak® 110 | 7-3443 |
| PakMaster 50 w/Smart Torch (Q.D) | 7-3445 |
| EconoPAK 50 | 7-3449 |
| EconoPAK 100 | 7-3450 |
| PAK 5 | 7-3444 |
| PAK 10 | 7-3436 |
1TORCH CONSUMABLES

**Description** | **Part No.**
--- | ---
O-RINGS |  
O-Ring | 8-3487  
O-Ring Lubricant | 8-4025

ELECTRODES |  
Electrode | 9-8215

START CARTRIDGES |  
Start Cartridge | 9-8213  
Heavy Duty Start Cartridge (Non HF Systems only) | 9-8277

TIPS |  
Drag |  
Tip, 20A, Drag | 9-8205  
Tip, 30A, Drag | 9-8206  
Tip, 40A, Drag | 9-8207  
Tip, 60A, Drag | 9-8252  
Tip, 40A, Standoff | 9-8208  
Tip, 50/55A, Standoff | 9-8209  
Tip, 60A, Standoff | 9-8210

Standoff |  
Tip, 70A, Standoff | 9-8231  
Tip, 80A, Standoff | 9-8211  
Tip, 90/100A, Standoff | 9-8212  
Tip, 120A, Standoff | 9-8253

Gouge |  
Tip, A, Gouging | 9-8225  
Tip, B, Gouging | 9-8226  
Tip, C, Gouging | 9-8227  
Tip, D, Gouging | 9-8228  
Tip, E, Gouging | 9-8254

**Description** | **Part No.**
--- | ---
**SHIELD CUPS** |  
Shield Cup | 9-8218  
Shield Cup Body, MaximumLife* | 9-8237

**SHIELD CAPS** |  
Drag |  
Shield Cap, Drag, 40A | 9-8244  
Shield Cap, Drag, 50-60A | 9-8235  
Shield Cap, Drag, 70-100A | 9-8236  
Shield Cap, Drag, 120A | 9-8258

Mechanized |  
Shield Cap, Mechanized, 40A | 9-8245  
Shield Cap, Mechanized, 50-60A | 9-8238  
Shield Cap, Mechanized, 70-100A | 9-8239  
Shield Cap, Mechanized, 120A | 9-8256

Deflector |  
Shield Cap, Deflector | 9-8243

Gouging |  
Shield Cap, Gouging | 9-8241

**OHMIC CLIPS** |  
Ohmic Clip | 9-8224  
Ohmic clip for manual torches | 9-8259

**SPARE PARTS KITS** |  
Spare Parts Kit, 30 Amp | 5-2550  
Spare Parts Kit, 40 Amp | 5-2551  
Spare Parts Kit, 50/55 Amp | 5-2552  
Spare Parts Kit, 60 Amp | 5-2553  
Spare Parts Kit, 70 Amp | 5-2554  
Spare Parts Kit, 80 Amp | 5-2555  
Spare Parts Kit, 90/100 Amp | 5-2556

*Note: All Spare Parts Kits include ten (10) Tips, five (5) Electrodes and one (1) Start Cartridge.*
## Plasma Accessories

### Cutting Guide Kit (Deluxe)

**PART NO. 7-8910**

Cuts circles from 21/8" (54 mm) to 41 1/2" (1054 mm) with proper cutting attachments. This kit includes easy add-on attachments to fit most Victor® 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.

### Circle Cutting Guide Kit

**PART NO. 7-3291**

Cuts 2-1/8" (54 mm) to 27 1/4" (705 mm) circles (using magnetic attachment) when cutting or beveling is required. For use with most Victor Thermal Dynamics torches. Guide shown with optional pivot (7-3148).

### Radius / Roller Cutting Guide Kit

**PART NO. 7-7501**

This easy-to-use guide cuts circles from 3" (76 mm) up to 28 3/4" (730 mm). 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. Cutting Bushing (7-2915) for use with the SL40™ torch.

### Straight Line Cutting Guide

**PART 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 & 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 (1.2 m) standard rail Torch Holder and Bushing Heavy Duty Magnets (2 ea.) Slide Assembly Wheels and Fasteners. Optional 4 ft (1.2 m) extensions (9-7971) available.

## Standoff Cutting Guides

### Cutting Guide Bushing

**PART NO. 7-2915**

Designed to fit the SL40 torch specific to the Cutmaster 42 system. This bushing accommodates the use of the SL40 torch with the cutting guides.

### Leather Lead Covers

**PART NO. 9-1258** 15 ft (4.6 m)

**PART NO. 9-1260** 20 ft (6.1 m)

**PART NO. 9-1270** 25 ft (7.6 m)

**PART NO. 9-1280** 50 ft (15.2 m)

These lead 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.

### Trigger Guard Guides

**PART NO. 7-8420 Short Trigger Guard**

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

### Remote Pendant Control

**PART NO. 7-3460**

20 ft (6.1 m)

Remote Pendant Control for your mechanized application.

### Hand Pendant Extension

**PART NO. 7-7744**

25 ft (7.6 m)
**ATC® LEAD EXTENSIONS**

- **7-7544** 15 ft (4.6 m)
- **7-7545** 25 ft (7.6 m)
- **7-7552** 50 ft (15.2 m)

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

**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**

**PART 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 FILTER**

**PART NO. 9-9387**

(First Stage Element 9-1021, Second Stage Element 9-1022)

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 and need only be installed on the power supply.

**MULTI-PURPOSE CART**

**PART 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 8” (203 mm) diameter wheels along with 3” (76 mm) front mounted casters. This cart also serves as an excellent showroom display stand.

**WELDING GLOVES**

**PART NO. 9-1250**

**PLASMA CUTTING TECHNIQUES DVD**

**PART NO. 9-1253**

**AUTOMATION ACCESSORIES**

**AUTOMATION INTERFACE KIT**

**PART NO. 9-8311**

For Cutmaster TRUE™ Series (52, 82, 102, and 152) This kit adds a divided low volt output for height controls that can use 50:1 arc voltage. Required for the Thermal Dynamics® SC-11 height control.

**CNC HARNESS CABLE**

9-9385

**CNC INTERFACE CABLE FOR "START/STOP" AND "OK TO MOVE" ONLY:**

- **9-1008** 25 ft (7.6 m)
- **9-1010** 35 ft (10.6 m)
- **9-1011** 50 ft (15.2 m)

**PINION ASSEMBLY**

**PART NO. 7-2827**

1-3/8" (35 mm) Diameter
## PAK® 200i

### MANUAL AIR-PLASMA CUTTING & GOUGING SYSTEM

**200 amps of Cutting Power** – This unit is capable of hand cutting at 200 amps with the ability to cut up to 2-3/4” (70 mm) on Mild Steel. At full output this unit will cut 10 ipm (254 mm/min) on 2” (51 mm) carbon steel.

**100% Duty Cycle** – This machine offers 100% duty cycle at full output.

**Dual Gas Capability** – The dual gas system ensures superior quality and performance on ferrous and non-ferrous materials. (Plasma Gas: Air, ArH₂ Secondary Gas: Air, N₂)

**High Gouging Removal Rate** – With the ability to remove up to 25 lbs (11.3 kg) of carbon steel per hour.

**Tip Saver for Optimal Tip Life** – This ensures that any accidental contact between the tip and the work at high power levels will not damage the tip.

### PERFORMANCE
- Output Current: 35-200 amps
- Output Power: 40 kW
- Recommended Cut: 1-1/2” (40 mm)
- Max Cut: 2 3/4” (70 mm)
- Pierce Rating: 1 1/4” (32 mm)

### AMPERAGE DRAW
- 60A @ 380V
- 57A @ 400V
- 47A @ 480V

### SPECIFICATIONS
- Plasma Gas: Air, ArH₂ Secondary Gas: Air, N₂
- 100% Duty Cycle at full output.

### DIMENSIONS
- 48” H x 27.5” W x 40.6” D 
  (1219 x 698 x 1031 mm)

### WEIGHT
- 490 lbs w/o torch (222 kg)
- Fully Assembled Power Supply

### INPUT VOLTS
- 380-415V, 3 ph, 50/60 Hz
- 400V CE, 3 ph, 50/60 Hz
- 480V, 3 ph, 50/60 Hz

Contact Thermal Dynamics for additional information on 240V & 600V input voltage requirements.

### TORCH CONSUMABLE PARTS

#### SHIELD CUPS
- Shield Cup, Standard: 32-1325
- Crown Shield Cup (Manual Cutting): 32-1326
- Shield Cup (Gouging): 32-1527

#### TIPS
- Tip, 200A: 32-1323
- Tip, 150A: 32-1330
- Tip, 70A: 32-1321
- Tip, 55A: 32-1322
- Tip, 35A: 32-1320
- Tip (0.110) Gouging: 32-1512
- Tip (0.125) Gouging: 32-1513
- Tip (0.156) Gouging: 32-1514
- Tip (0.171) Gouging: 32-1515

#### ELECTRODES
- Electrode, Air, Cutting: 32-1310
- Electrode, Multi-Gas Cutting: 32-1311
- Electrode, Air, Gouging: 32-1504
- Electrode, ArH₂, Gouging: 32-1505

#### OTHER
- Coolant Tube Extension, Gouging: 32-1502
- Wrench: 20-0001
- O-Ring Lubricant: 6-4025
- Parts Box: 9-4173

### APPLICATIONS
- General fabrication of Carbon Steel, Stainless Steel and Aluminum
- Over the road transport trailers
- Railroad maintenance
- Vessel manufacturing
- Pipe beveling and fabrication
- Petroleum refineries
- Foundries
- Chemical plants
- Mining operations
- Ship building

### POWER SUPPLY & LEADS

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>POWER SUPPLY &amp; LEADS</td>
<td>480V</td>
</tr>
<tr>
<td></td>
<td>400V</td>
</tr>
<tr>
<td></td>
<td>400V CE</td>
</tr>
<tr>
<td>PAK 200i - 70° Torch / 25”</td>
<td>1-2239</td>
</tr>
<tr>
<td>(7.6 m) Leads</td>
<td>1-2245</td>
</tr>
<tr>
<td>PAK 200i - 70° Torch / 50”</td>
<td>1-2240</td>
</tr>
<tr>
<td>(15.2 m) Leads</td>
<td>1-2246</td>
</tr>
<tr>
<td>PAK 200i - 90° Torch / 25”</td>
<td>1-2241</td>
</tr>
<tr>
<td>(7.6 m) Leads</td>
<td>1-2247</td>
</tr>
<tr>
<td>PAK 200i - 90° Torch / 50”</td>
<td>1-2242</td>
</tr>
<tr>
<td>(15.2 m) Leads</td>
<td>1-2248</td>
</tr>
<tr>
<td>PAK 200i - 180° Torch / 25”</td>
<td>1-2243</td>
</tr>
<tr>
<td>(7.6 m) Leads</td>
<td>1-2249</td>
</tr>
<tr>
<td>PAK 200i - 180° Torch / 50”</td>
<td>1-2244</td>
</tr>
<tr>
<td>(15.2 m) Leads</td>
<td>1-2250</td>
</tr>
<tr>
<td>All manual systems include</td>
<td>1-2256</td>
</tr>
<tr>
<td>Power Supply, Torch and</td>
<td></td>
</tr>
<tr>
<td>Leads, Spare Parts Kit,</td>
<td></td>
</tr>
<tr>
<td>25” (7.6 m) Work Cable &amp;</td>
<td></td>
</tr>
<tr>
<td>Clamp, and Torch Coolant.</td>
<td></td>
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</tbody>
</table>

### TORCH & LEADS PACKAGES

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCH-200 / 70° / 25” (7.6 m) Leads</td>
<td>2-0009</td>
</tr>
<tr>
<td>PCH-200 / 70° / 50” (15.2 m) Leads</td>
<td>2-0010</td>
</tr>
<tr>
<td>PCH-200 / 70° / 100” (30.5 m) Leads</td>
<td>2-0011</td>
</tr>
<tr>
<td>PCH-200 / 90° / 25” (7.6 m) Leads</td>
<td>2-0012</td>
</tr>
<tr>
<td>PCH-200 / 90° / 50” (15.2 m) Leads</td>
<td>2-0013</td>
</tr>
<tr>
<td>PCH-200 / 90° / 100” (30.5 m) Leads</td>
<td>2-0014</td>
</tr>
<tr>
<td>PCM-200 / 180° / 25” (7.6 m) Leads</td>
<td>2-0015</td>
</tr>
<tr>
<td>PCM-200 / 180° / 50” (15.2 m) Leads</td>
<td>2-0016</td>
</tr>
<tr>
<td>PCM-200 / 180° / 100” (30.5 m) Leads</td>
<td>2-0017</td>
</tr>
</tbody>
</table>

### ACCESSORIES / OPTIONS

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Torch Guide</td>
<td>7-7505</td>
</tr>
<tr>
<td>Circle Cutting Attachment</td>
<td></td>
</tr>
<tr>
<td>Remote Pendant Control</td>
<td>7-3460</td>
</tr>
<tr>
<td>Wheel Kit</td>
<td>9-7378</td>
</tr>
</tbody>
</table>
LIMITED WARRANTY: ESAB warrants that its products will be free of defects in workmanship or material. Should any failure to conform to this warranty appear within the time period applicable to the ESAB products as stated below, ESAB shall, upon notification thereof and substantiation that the product has been stored, installed, operated, and maintained in accordance with ESAB’s specifications, instructions, recommendations and recognized standard industry practice, and not subject to abuse, misuse, neglect, alteration, accident, improper care and/or maintenance including lack of lubrication and protection from the elements, use of non ESAB genuine parts including consumables; will correct such defects by suitable repair or replacement, at ESAB’s sole option, of any components or parts of the product determined by ESAB to be defective.

THIS WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

LIMITATION OF LIABILITY: ESAB shall not under any circumstances be liable for special or consequential damages, such as, but not limited to, damage or loss of purchased or replacement goods, or claims of customers of distributor (hereinafter “Purchaser”) for service interruption.

The remedies of the Purchaser set forth herein are exclusive and the liability of ESAB with respect to any contract, or anything done in connection therewith such as the performance or breach thereof, or from the manufacture, sale, delivery, resale, or use of any goods covered by or furnished by ESAB whether arising out of contract, negligence, strict tort, or under any warranty, or otherwise, shall not, except as expressly provided herein, exceed the price of the goods upon which such liability is based.

THIS WARRANTY BECOMES INVALID IF REPLACEMENT PARTS OR ACCESSORIES ARE USED WHICH MAY IMPAIR THE SAFETY OR PERFORMANCE OF ANY ESAB PRODUCT.

THIS WARRANTY IS INVALID IF THE PRODUCT IS SOLD BY NON-AUTHORIZED PERSONS.

The warranty is effective for the time stated below beginning on the date that the authorized distributor delivers the products to the Purchaser. Notwithstanding the foregoing, in no event shall the warranty period extend more than the time stated plus 1 year from the date ESAB delivered the product to the authorized distributor.

4 YEARS PARTS AND LABOR
Cutmaster™ TRUE™ (Power Source)

2 YEARS PARTS AND LABOR
Drag-Gun™ Plus, PAK™ 200i

1 YEAR PARTS AND LABOR UNLESS SPECIFIED
AirCut™ 15C, CutSkill™ units (Power Source),
Stand Off Controls
1Torch™, SureLok™, XTR, XT / XT-301 and Maximizer™ torches

180 DAYS PARTS AND LABOR UNLESS SPECIFIED
All Other “Torch and Leads” Packages

90 DAYS PARTS / NO LABOR
Replacement Repair Parts

ESAB limited warranty shall not apply to: Consumable Parts for MIG, TIG, Plasma welding, Plasma cutting and Oxyfuel torches, O-rings, fuses, filters or other parts that fail due to normal wear.

* Warranty repairs or replacement claims under this limited warranty must be submitted by an authorized ESAB repair facility within thirty (30) days of the repair.

* No employee, agent, or representative of ESAB is authorized to change this warranty in any way or grant any other warranty, and ESAB shall not be bound by any such attempt. Correction of non-conformities, in the manner and time provided herein, constitutes fulfillment of ESAB’s obligations to purchaser with respect to the product.

* This warranty is void, and seller bears no liability hereunder, if purchaser used replacement parts or accessories which, in ESAB’s sole judgment, impaired the safety or performance of any ESAB product. Purchaser’s rights under this warranty are void if the product is sold to purchaser by unauthorized persons.
ISO 9001
REGISTERED FIRM

The Quality System of ESAB at our Denton, Roanoke, West Lebanon and Hermosillo locations is registered to meet the requirements of ISO 9001.