Call **C&G Systems** at (847) 816-9700 to consult with a sales representative today, or visit us on the web at [www.cgsystems.com](http://www.cgsystems.com).
**Conventional & Precision Plasma**

**Shuttle**
- Self-Contained, Full Function CNC
- Plasma & Oxy-Fuel Capability
- Portable
- Economical

**Aviator SSD**
- Single-Side Drive
- Up To 200 Amps Conventional Plasma
- Oxy-Fuel Capability
- Independent Or Unitized Table
- Field Upgradeable to Dual Side Drive

**Aviator DSD / DXD**
- Economical Precision Cutting System
- Dual-Side Drive
- Up To 260 Amps Precision Plasma
- Oxy-Fuel Capability
- **DXD** Models Configured with Hypertherm Rapid Part and True Hole Technology Standard

**Precision Plasma & Heavy Oxy-Fuel**

**Challenger DSD / DXD**
- Dual-Side Drive
- Heavy-Duty Design
- High Production Applications
- Up to 5 Plasma & Oxy-Fuel Stations
- **DXD** Models Configured with Hypertherm Rapid Part and True Hole Technology Standard

**Crossfire**
- Precision Dual-Side Drive
- 100% Duty-Cycle Applications
- Up to 5 Plasma & Oxy-Fuel Stations
- Power Supplies Up To 800 Amps
- Floor or Pedestal Mounts

**Taurus**
- Large Format Applications
- 100% Duty-Cycle Rated
- Up To 10 Plasma & Oxy Fuel Stations
- Power Supplies Up To 1,000 Amps
- Floor or Pedestal Mounts
- Highly Customizable
<table>
<thead>
<tr>
<th>2012 Q2</th>
<th>SHUTTLE</th>
<th>AVIATOR SSD</th>
<th>AVIATOR DSD/DXD</th>
<th>CHALLENGER DSD/DXD</th>
<th>CROSSFIRE</th>
<th>TAURUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine Sizes</td>
<td>Portability</td>
<td>Unitized or Free Standing</td>
<td>Unitized or Free Standing</td>
<td>High Production</td>
<td>Precision, 100% Duty Cycle</td>
<td>Large Format, 100% Duty Cycle</td>
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<tr>
<td>Width</td>
<td>49”</td>
<td>4', 6’</td>
<td>4', 6', 8’</td>
<td>6', 8', 10’</td>
<td>6’ to 12’</td>
<td>8’ to 26’</td>
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<tr>
<td></td>
<td>1.2m</td>
<td>1.2m, 1.8m</td>
<td>1.2m, 1.8m, 2.4m</td>
<td>1.8m, 2.4m, 3m</td>
<td>1.8m to 3.7m</td>
<td>2.4m to 7.9m</td>
</tr>
<tr>
<td>Length</td>
<td>79” (Extend to 118”,156”, or 197”)</td>
<td>4’, 8’, 12’ (Extend up to 20’)</td>
<td>4’, 8’, 12’ (Extend up to 28’)</td>
<td>12’ (Extend in 4’, 8’ or 16’ Increments up to 52’)</td>
<td>12’ (Extend in 4’, 8’ or 16’ Increments up to 150’)</td>
<td>12’ (Extend in 4’, 8’ or 16’ Increments up to 150’)</td>
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<tr>
<td></td>
<td>2m (Extend to 3m, 4m, or 5m)</td>
<td>1.2m, 2.4m, 3.7m (Extend to 6.1m)</td>
<td>1.2m, 2.4m, 3.7m (Extend to 8.5m)</td>
<td>3.6m (Extend in 1.2m, 2.4m, or 4.9m Increments up to 15.9m)</td>
<td>3.6m (Extend in 1.2m, 2.4m, or 4.9m Increments up to 45.7m)</td>
<td>3.6m (Extend in 1.2m, 2.4m, or 4.9m Increments up to 45.7m)</td>
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<tr>
<td>Cutting Stations</td>
<td>Maximum Stations</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>5</td>
<td>5</td>
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<tr>
<td></td>
<td>Plasma</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>Up To 2</td>
<td>Up To 2</td>
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<tr>
<td></td>
<td>Oxy Fuel</td>
<td>1</td>
<td>1</td>
<td>1 or 2</td>
<td>Up To 4</td>
<td>Up To 4</td>
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<tr>
<td></td>
<td>Marking Stations</td>
<td>N/A</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
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<tr>
<td></td>
<td>Automatic Ignition</td>
<td>N/A</td>
<td>Available</td>
<td>Available</td>
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<tr>
<td>Power Supplies</td>
<td>Plasma</td>
<td>Up To 100 Amp Conventional Plasma</td>
<td>Up To 200 Amp Conventional Plasma</td>
<td>Up To 250 Amp Conventional or Precision Plasma</td>
<td>Up To 400 Amp Conventional or Precision Plasma</td>
<td>Up To 400 Amp Plasma</td>
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<tr>
<td>Controls</td>
<td>C&amp;G 32-Bit CPU</td>
<td>Hypertherm EDGE-Ti</td>
<td>Hypertherm EDGE-Ti</td>
<td>Hypertherm EDGE-Ti</td>
<td>Hypertherm EDGE-Pro</td>
<td>Hypertherm EDGE-Pro</td>
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<td></td>
<td>Options</td>
<td>Burny Phantom ST</td>
<td>Hypertherm EDGE-Pro, Burny 10 LCD Plus</td>
<td>Hypertherm EDGE-Pro, Burny 10 LCD Plus</td>
<td>Hypertherm, Inova</td>
<td>Hypertherm, Inova</td>
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<tr>
<td></td>
<td>Height Control</td>
<td>Integrated</td>
<td>Integrated, Hypertherm, Inova</td>
<td>Integrated, Hypertherm, Inova</td>
<td>Hypertherm, Inova</td>
<td>Hypertherm, Inova</td>
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<tr>
<td>Drive System</td>
<td>Motors</td>
<td>Single Side Drive</td>
<td>Single Side Drive****</td>
<td>Single Side Drive</td>
<td>Dual Side Drive</td>
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<tr>
<td></td>
<td></td>
<td>250 Watt</td>
<td>250 or 400 Watt</td>
<td>250 or 400 Watt</td>
<td>750 Watt</td>
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<tr>
<td></td>
<td>Type</td>
<td>Stepper or Servo</td>
<td>DC, DC Brushless, AC Servo</td>
<td>DC Brushless, AC Servo</td>
<td>DC Brushless, AC Servo</td>
<td>AC Servo</td>
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<tr>
<td></td>
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<td>Optional SERCOS</td>
<td>Optional SERCOS</td>
<td>Optional SERCOS</td>
<td>Optional SERCOS</td>
<td>Optional SERCOS</td>
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<tr>
<td></td>
<td>Positional Accuracy</td>
<td>+/-0.030 (+/-0.76mm)</td>
<td>+/-0.010 (+/-0.25mm)</td>
<td>+/-0.010 (+/-0.25mm)</td>
<td>+/-0.010 (+/-0.25mm)</td>
<td>+/-0.010 (+/-0.25mm)</td>
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<td></td>
<td>Repeatability</td>
<td>+/-0.015 (+/-0.38mm)</td>
<td>+/-0.002 (+/-0.05mm)</td>
<td>+/-0.002 (+/-0.05mm)</td>
<td>+/-0.002 (+/-0.05mm)</td>
<td>+/-0.002 (+/-0.05mm)</td>
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<tr>
<td></td>
<td>Rapid Traverse</td>
<td>0-155 IPM (4m/min.)</td>
<td>0-500 IPM (12.7m/min.)</td>
<td>0-1000 IPM (25.4m/min.)</td>
<td>0-800 IPM (15.25m/min.)</td>
<td>0-800 IPM (22.9m/min.)</td>
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<tr>
<td>Rail Systems</td>
<td>Weight</td>
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<td>45#</td>
<td>90#</td>
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<tr>
<td></td>
<td>Type</td>
<td>Linear Guides</td>
<td>T-Rails</td>
<td>Hardened T-Rails</td>
<td>Hardened T-Rails</td>
<td>Hardened T-Rails</td>
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<tr>
<td>Cutting Tables</td>
<td>Water Table</td>
<td>Available ***</td>
<td>Available ***</td>
<td>Available ***</td>
<td>Available ***</td>
<td>Available ***</td>
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<tr>
<td></td>
<td>Air Exhaust</td>
<td>Downdraft</td>
<td>Downdraft or Zone Downdraft</td>
<td>Downdraft or Zone Downdraft</td>
<td>Downdraft or Zone Downdraft</td>
<td>Downdraft</td>
</tr>
</tbody>
</table>

* DXD Series machines are equipped with the full suite of genuine Hypertherm CNC Controls, THC, MTC Software, and XD Plasma Systems, and are fully Rapid Part and True Hole Technology enabled.

** Special Widths Also Available

*** Not Recommended for Cutting Aluminum

**** Aviator SSD can be upgraded to Dual Side Drive (DSD) in the field.
**OEM Partners**

*C&G System* has established a wide network of quality OEM partners to provide our customers with the best turnkey solutions for their particular applications. Whether you are purchasing your first machine or have multiple installations, we will provide you with everything you need to quickly get your new *C&G System* machine up and running efficiently.

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**PC-Based CNC Plasma/Oxy-Fuel Cutting Machine Controls**

**KALIBURN**

**Hypertherm**

**THERMAL DYNAMICS**

**Ultra-Efficient, Side-Draft Cutting Tables.**

**INOVÁ**

**Torch Height Controls**

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**Pihl**

*Custom Cutting Tables*

- Air Exhaust
- Water Tables

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**MTC software**

*Power Made Simple™*

*Powerful, Easy-To-Use CAM Software With Advanced Nesting Capabilities*

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**FARR**

*Air Pollution Control*

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