We are pleased to offer for your consideration the following proposal covering:

**PLASMA CUTTING SYSTEM PROPOSAL**

*Figure 1 – Piranha Plasma Cutting Table*

**Piranha • Whitney • Bertsch**
Piranha Plasma Cutting Tables

STANDARD FEATURES

1. **Rugged Construction** - All-Welded Steel Frame (not bolt-together) with high accuracy linear guides and bearings. Machine is assembled complete at the factory.
2. **Dual Side Drive** – gantry driven on both sides for maximum stability.
3. **CNC Control with 10.4” High resolution color LCD monitor, shape library with 20 configurable shapes, 8MB memory & USB interface**
4. **Panasonic servo motors and drives** – Powerful 400 watt servo motors (not stepper motors) on both X-axis and Y-axis with a maximum traverse speed of 8000mm/min.
5. **Down draft exhaust system** – Pre-vented duct work with exhaust fan for plasma dust extraction – no messy sludge to clean out and dispose of.
6. **MicroStep Programmable Torch Height Control** – controls torch height automatically.
7. **Breakaway Torch Mounting** – protects the torch from inadvertent part tip-ups.
8. **FastCAM® Pro Programming System** – DXF importing, editing and NC code generator.

MACHINE SPECIFICATIONS

<table>
<thead>
<tr>
<th>FEATURE</th>
<th>SPECIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Rapid Speed</td>
<td>393 IPM</td>
</tr>
<tr>
<td>CNC Control</td>
<td>Starfire</td>
</tr>
<tr>
<td>Frame and Bridge Construction</td>
<td>Welded Tubular Steel</td>
</tr>
<tr>
<td>Drive Motors</td>
<td>X-axis – Two Servo Motors</td>
</tr>
<tr>
<td></td>
<td>Y-axis – Servo Motor</td>
</tr>
<tr>
<td></td>
<td>Torch Height Control – Stepper Motor</td>
</tr>
<tr>
<td>Drive System</td>
<td>X-axis – Rack and Pinion each side</td>
</tr>
<tr>
<td></td>
<td>Y-axis – Rack and Pinion</td>
</tr>
<tr>
<td></td>
<td>Z-axis – Ball Screw</td>
</tr>
<tr>
<td>Torch Control</td>
<td>Arc Voltage with Initial Height Sensing</td>
</tr>
<tr>
<td>Torch Protection</td>
<td>Pneumatic Breakaway</td>
</tr>
<tr>
<td>Exhaust Fan</td>
<td>1200 cfm @ 3” H₂O</td>
</tr>
</tbody>
</table>
### AVAILABLE SIZES

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CUTTING AREA</th>
<th>MACHINE SIZE*</th>
<th>MACHINE WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piranha C404</td>
<td>4’ x 4’</td>
<td>82”L x 92”W x 60”H</td>
<td>1,500 lbs</td>
</tr>
<tr>
<td>Piranha C408</td>
<td>4’ x 8’</td>
<td>138”L x 92”W x 60”H</td>
<td>2,000 lbs</td>
</tr>
<tr>
<td>Piranha C510</td>
<td>5’ x 10’</td>
<td>158”L x 102”W x 60”H</td>
<td>2,500 lbs</td>
</tr>
</tbody>
</table>

* Excludes optional tube cutting attachment

### AVAILABLE PLASMA SYSTEMS

<table>
<thead>
<tr>
<th>PLASMA SYSTEM**</th>
<th>MAX MAT’L THICKNESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Powermax 45XP</td>
<td>1/2” (12mm) Production / 1/2” (12mm) Maximum</td>
</tr>
<tr>
<td>Powermax 65</td>
<td>5/8” (16mm) Production / 5/8” (16mm) Maximum</td>
</tr>
<tr>
<td>Powermax 85</td>
<td>3/4” (20mm) Production / 3/4” (20mm) Maximum</td>
</tr>
<tr>
<td>Powermax 105</td>
<td>3/4” (20mm) Production / 7/8” (22mm) Maximum</td>
</tr>
<tr>
<td>Powermax 125</td>
<td>3/4” (20mm) Production / 1” (25mm) Maximum</td>
</tr>
</tbody>
</table>

** Includes interface cable

### INVESTMENTS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>C404 4’ x 4’</th>
<th>C408 4’ x 8’</th>
<th>C510 5’ x 10’</th>
<th>STANDARD CUTTING TABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO PLASMA</td>
<td>$22,900</td>
<td>$26,900</td>
<td>$29,900</td>
<td>Downdraft</td>
</tr>
<tr>
<td>w/ Powermax 45</td>
<td>$25,900</td>
<td>$29,900</td>
<td>$32,900</td>
<td>Downdraft</td>
</tr>
<tr>
<td>w/ Powermax 65</td>
<td>$26,900</td>
<td>$30,900</td>
<td>$33,900</td>
<td>Downdraft</td>
</tr>
<tr>
<td>w/ Powermax 85</td>
<td>$27,900</td>
<td>$31,900</td>
<td>$34,900</td>
<td>Downdraft</td>
</tr>
<tr>
<td>w/ Powermax 105***</td>
<td>$31,900</td>
<td>$35,900</td>
<td>$38,900</td>
<td>Water</td>
</tr>
<tr>
<td>w/ Powermax 125***</td>
<td>$34,900</td>
<td>$38,900</td>
<td>$41,900</td>
<td>Water</td>
</tr>
</tbody>
</table>

*** Powermax 105 & Powermax 125 require a water table which is included

### CUSTOMER PROVIDED PLASMA SYSTEMS

Piranha can integrate existing air plasma systems up to 125A. The customer must provide details and specifications on the existing air plasma system for review before Piranha can approve the integration. There will be a minimum charge of $1,000 for systems not supplied by Piranha. Charges for additional components, cables, and shipping may be required after review. Piranha will not provide any warranty on the existing system and will not guarantee the cut quality.
## Plasma Specifications

### Powermax 45XP

<table>
<thead>
<tr>
<th>Material Thickness</th>
<th>Maximum Cutting Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 GA MS</td>
<td>181 IPM</td>
</tr>
<tr>
<td>1/4” MS</td>
<td>72 IPM</td>
</tr>
<tr>
<td>3/8” MS</td>
<td>38 IPM</td>
</tr>
<tr>
<td>1/2” MS</td>
<td>24 IPM</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gas Type</th>
<th>Air</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean, dry, oil-free per ISO 8573-1 Class 1.2.2</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gas Quality</th>
<th>99.95% pure</th>
</tr>
</thead>
</table>

| Recommended Gas inlet flow and pressure | 400 scfh @ 85 psi (190 slpm @ 5.9 bar) |

### Power Connections for the Powermax 45XP (CSA Models)

<table>
<thead>
<tr>
<th>Input Voltage</th>
<th>Input Current at Rated Output (A)</th>
<th>Input Current at Arc Stretch (A)</th>
<th>Fuse/Breaker Size (Slow-Blow) (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>200-240V Single Phase</td>
<td>39</td>
<td>44</td>
<td>50A</td>
</tr>
<tr>
<td>208V Single Phase</td>
<td>37</td>
<td>43</td>
<td>50A</td>
</tr>
<tr>
<td>480V Three-Phase</td>
<td>9.4</td>
<td>17</td>
<td>20A</td>
</tr>
</tbody>
</table>

**Note:** Plasma table, CNC control, and exhaust fan require separate 230V single phase / 30A supply.

**Ref:** Hypertherm Operator Manual 809240 Revision 1

### Powermax 65

<table>
<thead>
<tr>
<th>Material Thickness</th>
<th>Maximum Cutting Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 GA MS</td>
<td>224 IPM</td>
</tr>
<tr>
<td>1/4” MS</td>
<td>116 IPM</td>
</tr>
<tr>
<td>3/8” MS</td>
<td>62 IPM</td>
</tr>
<tr>
<td>1/2” MS</td>
<td>40 IPM</td>
</tr>
<tr>
<td>5/8” MS</td>
<td>26 IPM</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gas Type</th>
<th>Air</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean, dry, oil-free per ISO 8573-1 Class 1.2.2</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gas Quality</th>
<th>99.995% pure</th>
</tr>
</thead>
</table>

| Recommended Gas inlet flow and pressure | Cutting: 400 scfh @ 85 psi (190 slpm @ 5.9 bar) |

### Power Connections for the Powermax 65 (CSA Models)

<table>
<thead>
<tr>
<th>Input Voltage</th>
<th>Input Current at Rated Output (A)</th>
<th>Input Current at Arc Stretch (A)</th>
<th>Fuse/Breaker Size (Slow-Blow) (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>200-208V Single Phase</td>
<td>52</td>
<td>74</td>
<td>80</td>
</tr>
<tr>
<td>230-240V Single Phase</td>
<td>44</td>
<td>74</td>
<td>80</td>
</tr>
<tr>
<td>480V Single Phase</td>
<td>22</td>
<td>38</td>
<td>40</td>
</tr>
<tr>
<td>200-208V Three-Phase</td>
<td>32</td>
<td>45</td>
<td>50</td>
</tr>
<tr>
<td>230-240V Three-Phase</td>
<td>27</td>
<td>45</td>
<td>50</td>
</tr>
<tr>
<td>400V Three-Phase</td>
<td>15</td>
<td>27</td>
<td>30</td>
</tr>
<tr>
<td>480V Three-Phase</td>
<td>13</td>
<td>23</td>
<td>25</td>
</tr>
<tr>
<td>600V Three-Phase</td>
<td>13</td>
<td>23</td>
<td>25</td>
</tr>
</tbody>
</table>

**Note:** Plasma table, CNC control, and exhaust fan require separate 230V single phase / 30A supply.

**Ref:** Hypertherm Operator Manual 806650 Revision 3
POWERMAX 85

<table>
<thead>
<tr>
<th>MATERIAL THICKNESS</th>
<th>MAXIMUM CUTTING SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 GA MS</td>
<td>336 IPM</td>
</tr>
<tr>
<td>1/4” MS</td>
<td>164 IPM</td>
</tr>
<tr>
<td>3/8” MS</td>
<td>80 IPM</td>
</tr>
<tr>
<td>1/2” MS</td>
<td>48 IPM</td>
</tr>
<tr>
<td>5/8” MS</td>
<td>30 IPM</td>
</tr>
<tr>
<td>3/4” MS</td>
<td>24 IPM</td>
</tr>
</tbody>
</table>

GAS TYPE

<table>
<thead>
<tr>
<th>GAS TYPE</th>
<th>AIR</th>
<th>NITROGEN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Quality</td>
<td>Clean, dry, oil-free per ISO 8573-1 Class 1.2.2</td>
<td>99.995% pure</td>
</tr>
<tr>
<td>Recommended gas inlet flow and pressure</td>
<td>Cutting: 400 scfh @ 85 psi (190 slpm @ 5.9 bar)</td>
<td></td>
</tr>
</tbody>
</table>

Power Connections for the Powermax 85 (CSA Models)

<table>
<thead>
<tr>
<th>INPUT VOLTAGE</th>
<th>INPUT CURRENT AT RATED OUTPUT (A)</th>
<th>INPUT CURRENT AT ARC STRETCH (A)</th>
<th>FUSE/BREAKER SIZE (SLOW-BLOW) (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>200-208V SINGLE-PHASE</td>
<td>70</td>
<td>98</td>
<td>100</td>
</tr>
<tr>
<td>230-240V SINGLE PHASE</td>
<td>60</td>
<td>98</td>
<td>100</td>
</tr>
<tr>
<td>480V SINGLE PHASE</td>
<td>29</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>200-208V THREE-PHASE</td>
<td>42</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>230-240V THREE-PHASE</td>
<td>36</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>400V THREE PHASE</td>
<td>21</td>
<td>38</td>
<td>40</td>
</tr>
<tr>
<td>480V THREE-PHASE</td>
<td>18</td>
<td>31</td>
<td>30</td>
</tr>
<tr>
<td>600V THREE-PHASE</td>
<td>17</td>
<td>30</td>
<td>30</td>
</tr>
</tbody>
</table>

NOTE: Plasma table, CNC control, and exhaust fan require separate 230V single phase / 30A supply

REF: Hypertherm Operator Manual 806650 Revision 3
### POWERMAX 105

<table>
<thead>
<tr>
<th>MATERIAL THICKNESS</th>
<th>MAXIMUM CUTTING SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 GA MS (85 amp process)</td>
<td>336 IPM</td>
</tr>
<tr>
<td>1/4” MS</td>
<td>192 IPM</td>
</tr>
<tr>
<td>3/8” MS</td>
<td>116 IPM</td>
</tr>
<tr>
<td>1/2” MS</td>
<td>76 IPM</td>
</tr>
<tr>
<td>5/8” MS</td>
<td>52 IPM</td>
</tr>
<tr>
<td>3/4” MS</td>
<td>40 IPM</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GAS TYPE</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AIR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NITROGEN</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Gas Quality**: Clean, dry, oil-free per ISO 8573-1 Class 1.2.2

**Recommended gas inlet flow and pressure**: Cutting: 460 scfh @ 85 psi (220 slpm @ 5.9 bar)

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### Power Connections for the Powermax 105 (CSA Models)

<table>
<thead>
<tr>
<th>INPUT VOLTAGE</th>
<th>INPUT CURRENT AT RATED OUTPUT (A)</th>
<th>INPUT CURRENT AT ARC STRETCH (A)</th>
<th>FUSE/BREAKER SIZE (SLOW-BLOW) (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>200V THREE-PHASE</td>
<td>58</td>
<td>82</td>
<td>80</td>
</tr>
<tr>
<td>208V THREE-PHASE</td>
<td>56</td>
<td>82</td>
<td>80</td>
</tr>
<tr>
<td>240V THREE-PHASE</td>
<td>49</td>
<td>78</td>
<td>80</td>
</tr>
<tr>
<td>480V THREE-PHASE</td>
<td>25</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>600V THREE-PHASE</td>
<td>22</td>
<td>35</td>
<td>40</td>
</tr>
</tbody>
</table>

**NOTE**: Plasma table, CNC control, and exhaust fan require separate 230V single phase / 30A supply

**REF**: Hypertherm Operator Manual 817390 Revision 2

---

### POWERMAX 125

<table>
<thead>
<tr>
<th>MATERIAL THICKNESS</th>
<th>MAXIMUM CUTTING SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 GA MS (65 amp process)</td>
<td>296 IPM</td>
</tr>
<tr>
<td>1/4” MS</td>
<td>225 IPM</td>
</tr>
<tr>
<td>3/8” MS</td>
<td>138 IPM</td>
</tr>
<tr>
<td>1/2” MS</td>
<td>93 IPM</td>
</tr>
<tr>
<td>5/8” MS</td>
<td>66 IPM</td>
</tr>
<tr>
<td>3/4” MS</td>
<td>48 IPM</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GAS TYPE</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AIR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NITROGEN</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Gas Quality**: Clean, dry, oil-free per ISO 8573-1 Class 1.2.2

**Recommended gas inlet flow and pressure**: Cutting: 550 scfh @ 85 psi (260 slpm @ 5.9 bar)

---

### Power Connections for the Powermax 125 (CSA Models)

<table>
<thead>
<tr>
<th>INPUT VOLTAGE</th>
<th>INPUT CURRENT AT RATED OUTPUT (A)</th>
<th>INPUT CURRENT AT ARC STRETCH (A)</th>
<th>FUSE/BREAKER SIZE (SLOW-BLOW) (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>480V THREE-PHASE</td>
<td>31</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>600V THREE-PHASE</td>
<td>24</td>
<td>38</td>
<td>40</td>
</tr>
</tbody>
</table>

**NOTE**: Plasma table, CNC control, and exhaust fan require separate 230V single phase / 30A supply

**REF**: Hypertherm Operator Manual 808080 Revision 3
## AVAILABLE OPTIONS

<table>
<thead>
<tr>
<th>OPTION</th>
<th>DESCRIPTION</th>
<th>INVESTMENT</th>
</tr>
</thead>
</table>
| Tube Cutting Attachment (see notes)         | Side mount for round tubing from 2” up to 11-1/2” diameter x 4’, 8’, or 10’ long cutting capacity (based on the length of the table), no additional torch required.  

*NOTE: Not available as a field retrofit*  
*NOTE: Tube cutting attachment is located outside of the cutting table and will require additional customer-supplied dust extraction.*                                                                                                                                 | $6,500      |
| Air Dryer Unit (see note)                   | Water-oil separator and post filter. This option requires separate 120VAC electrical service.  

*NOTE: Not needed if Three-Stage Filter System is ordered.*                                                                                                                                                  | $1,120      |
| Three-Stage Filter System (see note)        | A series of three different filters to remove moisture, oil, and particulate.  

*NOTE: Not needed if Air Dryer Unit is ordered.*                                                                                                                                                               | $350        |
| Consumable Kit Powermax 45XP                | Includes consumables for the Powermax 45XP cutting system.                                                                                                                                                   | $220        |
| Consumable Kit Powermax 65                  | Includes consumables for the Powermax 65 cutting system.                                                                                                                                                     | $220        |
| Consumable Kit Powermax 85                  | Includes consumables for the Powermax 85 cutting system.                                                                                                                                                     | $220        |
| Consumable Kit Powermax 105                 | Includes consumables for the Powermax 105 cutting system.                                                                                                                                                     | $225        |
| Consumable Kit Powermax 125                 | Includes consumables for the Powermax 125 cutting system.                                                                                                                                                     | $261        |
| Dust Collection System – Dust Collector (see note) | Dust Collector for Powermax 45XP, Powermax 65, and Powermax 85  

*NOTE – Not available with the Powermax 105 and Powermax 125*                                                                                                                                                  | $13,500     |
| Dust Collection System – Water Table (see note) | Water table for Powermax 45XP, Powermax 65, and Powermax 85  

*NOTE – Included with Powermax 105 and Powermax 125*                                                                                                                                                                | $2,000      |
| On-site Training                            | A Piranha Factory Technician is available to assist with training at your location based on our standard service rates attached. A standard one-day training session will be approx. $5,500 including time, travel expenses and one day of machine training.  

*Est $5,500 Specific estimates upon request*                                                                                                             | Est $5,500  |
DUST COLLECTION SYSTEM* – STEEL CUTTING ONLY

*NOTE: The Dust Collection System is only available on systems with the Powermax 45XP, Powermax 65, and Powermax 85 plasma units. A water table is included for systems with the Powermax 105 and Powermax 125 plasma units.

Overall Construction is of hot rolled steel, painted inside and outside with a primer and an AAF grey finish coat is applied to the exterior. OEM Option: Final color(s) can be per Whitney specification.

Inlet (10” flange) is located on the lower back side of the housing.

Outlet is on top through after-filter.

REDClean NFR Panel Pak filters, each having 250 sq. ft. of high efficiency, flame retardant, pleated MERV 15 rated media with laminated nanofiber, are arranged in a horizontal plane. Independent tests have shown the REDClean media operates at a lower differential pressure than the competition while offering the highest efficiency.

Hinged Door Access, Filter access shall be through the front of the PulsePak V via a single hinged door. The easy access doors allow for quick filter replacement without the need for additional tools.

Automatic On-Line Cleaning System is provided to allow for sequential cleaning of each filter element. The solenoids activate 1.5” diaphragm valves on the top of each pulse pipe. Solenoid valve enclosures are rated NEMA 4X. Valve silencers are supplied as standard on the solenoid enclosure exhaust port to reduce noise levels during pulsing.

IMPORTANT: Compressed air must be dry to -40°F dew point, clean, oil free and no greater than 125°F.

Digital PulsePak Prime Pulse Controller is installed inside of the system control panel. The Pulse Controller activates the pulse cleaning based on pressure differential to minimize compressed air usage. All controls required for use are included.

Legs provide clearance for standard 7 gallon dust drawer.

After Filter 24” by 24” by 12” HEPA filter is included.

Power required is 460 VAC (alternate voltages are available as required)

Fan and Motor SQBI-120 Fan w/3 hp TEFC motor. Rated for 1,500 CFM at 8” w.g. static pressure.

Fan Motor Controls are included

Duct work will be supplied by the customer.
# FastCAM® PRO Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fully Integrated Drawing System</strong></td>
<td>Create accurate 2D geometry in a fast and simple way using the inbuilt drawing editor.</td>
<td>No need for separate cost in buying and learning complicated CAD software. The FastCAM Editor is very easy to learn. Draw -&gt; Nest -&gt; Cut from one system!</td>
</tr>
<tr>
<td><strong>CAD/DXF Compatibility</strong></td>
<td>DXF is the most common file format for transferring files between CAD &amp; CAM Systems. All FastCAM systems can import and export DXF files.</td>
<td>CAD -&gt; NC. Fabricators are supplied job data in a variety of formats. To solve this problem, FastCAM can not only load a range of file types, it includes a suite of CAD smart tools for conversion to NC-ready code making the job input seamless and automatic.</td>
</tr>
<tr>
<td><strong>Bulk DXF import</strong></td>
<td>Import multiple CAD drawings.</td>
<td>Increases job processing speed.</td>
</tr>
<tr>
<td><strong>FastPATH™ Automatic Tool Pathing</strong></td>
<td>The software automatically analyzes nests, calculates cutting direction, kerf, entries/exits, sequencing, batch processing, hole avoidance and tabs.</td>
<td>Can eliminate 50% of programming time on tool pathing. All paths are reduced to a single mouse click. A substantial time and consumable saver, especially on complex nests and on a large number of cutouts.</td>
</tr>
<tr>
<td><strong>Line Marking</strong></td>
<td>Line marking is frequently used for marking the reference lines for subsequent operations such as bending, welding etc. Center points for drilling are also marked on the machine itself.</td>
<td>The purpose of marking on the cutting machine is to reduce cycle time and improve relative dimensional accuracy of various operations.</td>
</tr>
<tr>
<td><strong>FastPLOT™ NC Visual Simulation</strong></td>
<td>Easy editing and visual, graphic verification for CAM, DXF and NC code. You can visually check NC code for collisions or general behaviour, convert NC code to DXF, kerf offset NC code, plot NC code or nests for optical or documentation.</td>
<td>Minimizes risk on postprocessor by allowing checks on nests. Provides cutting time &amp; distances and gross material utilization, making it ideal for costing and estimating individual parts or complete nests. Shows exactly what will happen when cutting.</td>
</tr>
<tr>
<td><strong>Automatic Nesting</strong></td>
<td>Nest into remnant or odd size plate. Full shape nesting compatible with all industry standards including DXF, IGES, NC, CAM, DSTV input and a large range of NC controls for output.</td>
<td>Optimizes the material usage and the sequence of cutting.</td>
</tr>
<tr>
<td><strong>Common Cutting</strong></td>
<td>Common cutting is used to cut a common side of two parts at the same time.</td>
<td>Can reduce the cutting and halve the piercing by joining two identical parts along a common straight boundary.</td>
</tr>
</tbody>
</table>
**DUST COLLECTOR (OPTIONAL)**

The Piranha Plasma table can be equipped with an optional dust collector.

**Features and Benefits**

Dust-laden air enters the back of the collector, flowing downward through an integral spark cooler, allowing heavier particulate contaminants to drop directly to the waste drawer. The air then flows upward and through three V-shaped PanelPak filter elements. Any suspended dust is collected on the filter media, with the clean air passing through the tube sheet section and into a clean air plenum at the top of the housing. The fan is factory installed, located inside the upper portion of the housing and discharging through a HEPA final filter (final filter use is optional). Unit ships complete and ready for installation.

**Construction**

The dust collector is made from hot rolled steel, painted inside and outside with a primer and a black finish coat is applied to the exterior. The inlet (12" flange) is located on the lower back side of the housing. The outlet is on the top of the collector.

Filters are accessed through the front of the dust collector via a single hinged door. The easy-access doors allow for quick filter replacement without the need for additional tools.

REDClean NFR Panel Pak filters, each having 250 sq. ft. of high efficiency, flame retardant, pleated MERV 15 rated media with laminated nanofiber, are arranged in a horizontal plane. Independent tests have shown the REDClean N media operates at a lower differential pressure than the competition while offering the highest efficiency.

An automatic on-line cleaning system is provided to allow for sequential cleaning of each filter element. The solenoids activate 1.5” diaphragm valves on the top of each pulse pipe. Solenoid valve enclosures are rated NEMA 4X. Valve silencers are supplied as standard on the solenoid enclosure exhaust port to reduce noise levels during pulsing. **IMPORTANT: Compressed air must be dry to -40°F dew point, clean, oil free and no greater than 125°F.**
UTILITY REQUIREMENTS

Required:
- 230V SINGLE PHASE AC / 30A service for table, CNC control, and exhaust fan
- Separate Electrical Service for Hypertherm Plasma System. The Hypertherm Powermax series is available with several power options. Consult factory for information)
- Dry Compressed air – 90 psi minimum
- Earth Ground Rod with separate green insulated number 4 stranded copper welding cable leading to plasma cutting system

Recommended:
- Air Dryer Unit or Three-Stage Filter System

INSTALLATION

Customer is responsible for the complete installation of the equipment including (but not limited to):
1. Rigging
2. Leveling
3. Electrical Installation
4. Start-up

Piranha will supply appropriate installation and operations manuals for performing installation. Installation and training by Piranha field service technicians is available at prevailing rates. Technical support for installation and ongoing operation is available via phone at no charge.

If customer purchases plasma system from another source, then customer will be responsible for the connection and integration of the plasma system to the machine.

WARRANTY

Twelve (12) month parts warranty, covering defects in materials or workmanship.

DELIVERY

Normal delivery is from stock subject to confirmation at the time of order. Price is FOB factory Rockford, Illinois and does not include any freight, applicable sales tax, or installation. The machine is shipped totally wired through to the electrical enclosure box. It has been left to the purchaser’s discretion whether to wire direct to a disconnect or to install a cord and plug for mobility.

SHIPMENT REQUIREMENTS

MegaFab requires Flatbed Trailer(s), with adequate chains and tarps (to cover full height and width), to assure protection of this equipment when using truck transportation. Please make sure that adequate deck space is allotted for machine and all accessories shipping with order. Freight and insurance charges are the responsibility of the customer.

PAYMENT TERMS

Stock machines require 100% payment prior to shipment. Non-stock machines require a down payment of 50%, with the remaining 50% due prior to shipment.

SMF can offer financing options for your purchase, ask your salesman for details.

*Prices and specs subject to change without notice.

Regards, SMF & Machine Tools, Inc.
Sales, Engineer Cell Phone