Small Footprint, High Productivity ROI

The PA250M has an extremely high output-to-investment ratio that makes it great for first-time users and large companies with a lower volume of automation projects.

Even with its small footprint, the PA250M is up to 20-percent larger than comparable standard systems and accommodates nominal part sizes of 12” x 53”, 18” x 44” and 24” x 30”.

Easily exchange multiple repeatable fixtures on the same cell with platen design with a bolt pattern.

Personal Safety

The manually activated table on the PA250M allows you to control the table index, eliminating unexpected table motion and keeping employees safe.

FILTAIR® Weld Fume Extractor with Automation Hood

Designed for the rugged demands of robotic industrial welding operations, the FILTAIR Automation solution integrates the FILTAIR Weld Fume Extractor with the Automation Hood, providing a custom-engineered fume extraction solution.
PerformArc 250M Automation Solution

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**Dimensional Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frame length (including table rotation)</td>
<td>3023 mm (119&quot;)</td>
</tr>
<tr>
<td>Frame width</td>
<td>1676 mm (60&quot;)</td>
</tr>
<tr>
<td>Frame height</td>
<td>2286 mm (90&quot;)</td>
</tr>
<tr>
<td>Table load height (from floor)</td>
<td>762 mm (30&quot;)</td>
</tr>
<tr>
<td>Table bolt pattern</td>
<td>M12 on 6&quot;x 6&quot; @ 18&quot; from table centerline</td>
</tr>
<tr>
<td>Cell width including doors</td>
<td>1708 mm (67&quot;)</td>
</tr>
<tr>
<td>Maximum fixture/part height (above platen)</td>
<td>1016 mm (40&quot;)</td>
</tr>
<tr>
<td>Table index method</td>
<td>Manual Activation</td>
</tr>
<tr>
<td>Table rotation diameter</td>
<td>1524 mm (60&quot;)</td>
</tr>
</tbody>
</table>

*Note: All dimensions are approximate.

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**Standard Equipment**

- Robot: TM1100
- Robot reach: 1163 mm (46")
- Arc welder: Continuum 350A
- Payload (per side): 113 kg (250 lb)
- Input voltage (standard): 460 VAC
- Number of phases: 3
- Amperage draw: 30 A

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**Power Source Options**

<table>
<thead>
<tr>
<th>Advanced MIG (GMAW)</th>
<th>TIG (GTAW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto-Continuum™ 350A</td>
<td>TAWERS WG3 350A</td>
</tr>
<tr>
<td>Auto-Continuum™ 500A</td>
<td>TAWERS WGH3 450A</td>
</tr>
</tbody>
</table>

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**Standard Specifications**

- 6 kg arc welding robot
- 64-bit controller with TFT color display teaching pendant utilizing Windows® CE
- Auto-Continuum™ Advanced MIG Welding System
- Auto-Continuum™ wire drive motor assembly
- Tregaskiss™ Air-cooled welding torch
- Miller designed and manufactured total productivity system
- System features include:
  - Integrated operator interface (E-Stop, Auto, Servo On, Mode Select, Table Load/Unload, Start, Collision Detect, Auto Backup)
  - (2) Full open, hinged doors for easy access
  - TCP pointer and resident TCP check program
  - Tip change monitor and maintenance program for easy torch upkeep
  - Arc start retry, arc overlapping, flying arc start, password protection

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**Top View**

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**Front View**

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