The M.A.C.™ is a fully-integrated* solution that consists of an AMR (Autonomous Mobile Robot) with a collaborative robot topper.

The Omron TM12 collaborative robot can perform many different repeatable tasks. The supplementary landmark feature can also be applied to identify and pinpoint objects precisely.

The Omron LD250 navigation reliability is best in class. The scanning system provides both safety and enables the M.A.C.™ to dynamically re-route around obstacles.

**M.A.C.™ Applications**

- Tend machines: load/unload parts, re-load feeders
- Replace 2 or more low-use fixed cobots
- Monitor process and take measurements
- Pick samples and take to test lab
- Empty rejects and take parts to disposal
- Carry product to next processing step
- AQI (Automated Quality Inspection)
- Lab automation
- Kitting
- Assembly
- Social distancing
- Pick n’ place

*Robot end-of-arm-tool sold separately*
Ready To Go, Fully Integrated Solution

<table>
<thead>
<tr>
<th>Cobot</th>
<th>Omron TM12M (DC-version) 12kg (26lb) payload; 1,300mm (51&quot;) reach Advanced Landmark Feature for Re-Positioning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mounting</td>
<td>Extrusions for easy customization</td>
</tr>
<tr>
<td>Structure</td>
<td>Heavy-gauge welded steel frame &amp; side covers Powder coated for durability</td>
</tr>
<tr>
<td>Controls</td>
<td>Omron NX-series PLC &amp; Omron Safety PLC Omron NA5 7&quot; HMI EWON for Remote Support</td>
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<tr>
<td>Safety</td>
<td>Omron LD250 Integrated Lidar system Omron Side Laser Kit &amp; Safety PLC</td>
</tr>
<tr>
<td>AMR</td>
<td>Omron LD250 AMR (autonomous mobile robot) Wide and stable platform Lithium-Ion Battery: 24VDC, 72Ah, 40A</td>
</tr>
</tbody>
</table>

NOTE: Robot end-of-arm-tool and any custom engineering services sold separately.

Modular to Meet Changing Needs

- **Autonomous**: Continuously perform tasks at different stops. *Let Our Cobot Do The Walking...*
- **Push**: Use temporarily at single location for hours to months at a time.
- **Fixed**: Use at a fixed location for an indefinite amount of time.