Robot FANUC M-10iA/12
Max. payload 12 kg – max. reach 1420 mm
Hollow-Wrist

The high axle speed and acceleration of the M-10iA ensure a great mobility of the wrist. The robot has a weight of only 130 kg and a payload capacity of 12 kg. The slim arm and the hollow wrist with an internal cable facilitate operation in a confined space. Sealed bearings and brushless, maintenance-free AC motors provide protection, improve reliability and provide longer service life and minimum downtime.

Features
• **Slim wrist design for easy access**
  Featuring a slim wrist interference radius, the FANUC M-10iA is designed for easy integration into small work cells.

• **Highest payload capacity of the range**
  Ideal for workloads up to 12 kg and envelopes not exceeding 1420 mm.

• **No external cables to catch or wear**
  Internal cable routing through the J3 arm and J6 wrist extends cable life and prevents the risk of cable interference.

• **Versatile, cost effective, hollow wrist design**
  Hollow wrist and cantilevered J3 arm for best cable protection, easy maintenance and reduced system costs.

• **Integrated services**
  Integrated air and electrical services consisting of 8 inputs and 8 outputs as standard.

Function Description
High throughput and optimized cycle times make the FANUC M-10iA the fastest handling robot in its class. The result: top performance in various application areas.
Technical Data

Robot FANUC M-10iA/12

- Maximum load wrist: 12 kg
- Maximum reach: 1420 mm
- No. of axes: 6
- Repeatability: +/- 0.08 mm
- Weight (mechanical): 130 kg
- Average power consumption: 1 kW
- Protection body: IP54 (standard), IP55 (optional)
- Controller: R-30iB, A-cabinet (standard), iPendant Touch

<table>
<thead>
<tr>
<th>Axis</th>
<th>Motion range</th>
<th>Max. speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>J1</td>
<td>340° (360°)</td>
<td>230°/sec</td>
</tr>
<tr>
<td>J2</td>
<td>250°</td>
<td>225°/sec</td>
</tr>
<tr>
<td>J3</td>
<td>447°</td>
<td>230°/sec</td>
</tr>
<tr>
<td>J4</td>
<td>380°</td>
<td>430°/sec</td>
</tr>
<tr>
<td>J5</td>
<td>280° (380°)</td>
<td>430°/sec</td>
</tr>
<tr>
<td>J6</td>
<td>540° (720°)</td>
<td>630°/sec</td>
</tr>
</tbody>
</table>

( ) with hardware and/or software options

Motion range and dimensions

[Diagram showing motion range and dimensions]