The IRB 260 is designed and optimized primarily for packing applications. It is built to meet your reach and payload requirements whilst being small enough to fit into compact packing machines. Combined with ABB motion control and tracking performance, the robot is ideal in flexible packing systems.

Compact industrial packing robot
Designed for easy integration into packaging lines, the new machine has the ability to work close to base in order to minimize floor space. Low on weight and height, the IRB 260 fits easily into compact production cells. Speed, moreover, has been optimized for an 800x800x800 mm working envelope, making the new robot ideal for packing applications.

Running on 4-axes, it’s not only dedicated to packing applications, but also ensures high throughput and flexible packing concepts. Like all ABB robots, IRB 260 can be combined with PickMaster, ABB’s vision guided packaging software, and our IRC5 controller.

Accurate – consistent parts quality
The robot has best in class accuracy and superior ABB conveyor tracking performance resulting in excellent pick and place accuracy, both when working with fixed positions as well as on the fly.

Fast - short cycle times
Design, optimized for packing in combination with ABB unique motion control, ensures short cycle times.

Reliable - high production up time
The IRB 260 is based on IRB 2400, the world’s most popular industrial robot, with a total of 14,000 installations.

Strong – maximized utilization
The robot is optimized for packing application and combines compactness and high speed with a 30 kg payload capacity.

Robust – harsh production environment
Durable in tough environments - offering a standard of IP67 protection.

Versatile – flexible integration and production
Low on weight and height, the robot easily fits into compact packing machines. With a work envelope optimized for packing applications, the robot becomes the natural choice for robot automation. The robot comes fully equipped with integrated air and signals all the way to the gripper. Combined with the ABB packaging software, PickMaster™, the robot is not only easy to integrate from a mechanical point of view but also extremely simple to program.
### Specification

<table>
<thead>
<tr>
<th>Robot version IRB</th>
<th>Reach (m)</th>
<th>Handling capacity (kg)</th>
<th>Load offset (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IRB 260</td>
<td>1.56</td>
<td>30</td>
<td>300</td>
</tr>
<tr>
<td>Number of axes</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Protection</td>
<td>IP67</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Integrated signal supply</td>
<td>23 poles, 50V DC, 10 poles, 250V AC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Integrated air supply</td>
<td>1/3 inch hose, max 8 bar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Controller</td>
<td>IRCS Single cabinet, IRCS Dual Cabinet, IRCS Panel Mounted</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Performance (according to ISO 9283)

<table>
<thead>
<tr>
<th>IRB 260</th>
<th>Position repeatability RP (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td></td>
</tr>
</tbody>
</table>

### Technical information

#### Physical

- Dimensions robot base: 723 x 600 mm
- Total height: 1493 mm
- Robot weight: 340 kg

#### Environment

- Ambient temperature for robot unit: +5° C (41° F) to + 45°C (113°F)
- Relative humidity: Max. 95%
- Noise level: Max 70 dB (A)

#### Safety

- Double circuits with supervisions, emergency stops and safety functions.
- 3-position enable device

#### Emission

- EMC/EMI shielded

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**IRB 260**

<table>
<thead>
<tr>
<th>Axis</th>
<th>Working range</th>
<th>Max velocity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Axis 1</td>
<td>+180° to -180°</td>
<td>153°/s</td>
</tr>
<tr>
<td>Axis 2</td>
<td>+85° to -28°</td>
<td>175°/s</td>
</tr>
<tr>
<td>Axis 3</td>
<td>+119° to -17°</td>
<td>153°/s</td>
</tr>
<tr>
<td>Axis 6</td>
<td>+400° to -400°</td>
<td>342°/s</td>
</tr>
</tbody>
</table>

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**IRB 260, working range**

- **Park cycle**
  - 125/500/600 mm
  - 35-40 cycles at 20 kg

- **Park cycle**
  - 90/400/90 mm
  - 50-60 cycles at 10 kg