ARTICULATED ROBOTS

Ideal for compact cell construction, transport and assembly of small parts, and inspection work.

6-axis robots
- S-axis: Rotate the body horizontally
- L-axis: Move the body forward/backward
- U-axis: Move the arm up/down
- R-axis: Rotate the arm
- B-axis: Move the tip of the arm up/down
- T-axis: Rotate the tip of the arm

7-axis robots
- S-axis: Rotate the body horizontally
- L-axis: Move the body forward/backward
- E-axis: Twist the arm
- U-axis: Move the arm up/down
- R-axis: Rotate the arm
- B-axis: Move the tip of the arm up/down
- T-axis: Rotate the tip of the arm
Reduce personnel, increase productivity

6-axis

High-speed operation reduces cycle time
Thanks to high-speed, low-inertia AC servo motors, an arm designed for light weight, and the latest control technology, these robots achieve an operating speed that is best in their class. From supply, assembly, inspection, and packing to palletization, all applications can enjoy shorter cycle time and improved productivity.

Workpieces with a high wrist load are also supported
With a wrist section that has the highest allowable moment of inertia in its class, these robots can support jobs involving a high wrist load, or simultaneous handling of multiple workpieces.

Free arm movement further boosts productivity.

7-axis

“Elbow movement” unique to 7-axis models allows optimal posture to be maintained
The 7-axis U-type robots allow “elbow movement,” changing only the elbow angle without affecting the position or posture of the tool. This permits operation to avoid nearby obstructions.

Point

Robot simulator dramatically reduces startup time
We provide software that lets you use 3D CAD data to construct a production facility in virtual space in a personal computer, and easily perform engineering tasks such creating programs and checking for robot interference. Teaching can be performed even before the actual production line is completed, dramatically reducing line startup time.

Note. Optional support

<table>
<thead>
<tr>
<th>Type</th>
<th>Model</th>
<th>Application</th>
<th>Number of axes</th>
<th>Payload (kg)</th>
<th>Vertical reach (mm)</th>
<th>Horizontal reach (mm)</th>
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<td>YA-RJ</td>
<td>Handling (general)</td>
<td>6-axis</td>
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<td>Assembly / Placement</td>
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Note. When a load is more than 1 kg, the motion range will be smaller. Use the robot within the recommended motion range.