New turntable gearhead equipped with a variable height mechanism
**Features**

- **A gearhead utilizing the industrial robot industry-proven Precision Reduction Gear RV™**
  - High accuracy, rigidity, and reliability → Improved welding quality
- **A turntable equipped with a tilt axis**
  - Improved workability with human centered design → Reduction of the burden on workers • Faster setting times • Improved mixed model production
  - Area weldable by robot increased → Robot operating distance reduced → Shorter cycle and reduced production times
- **Support for all major servo motor manufacturers**
  - Compatible for collaborative work using many different robots
- **A wide variety of options are available**
  - (Mechanical stopper, origin positioning pin, mounting plate, etc.)

**Application Example**

Improved workability with human centered design • Faster setting times • Increased flexibility for mixed model production

By varying the height, areas that would normally be unreachable for the robot can be welded

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**Specification Table**

<table>
<thead>
<tr>
<th>Model</th>
<th>RVP-C40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum allowable load</td>
<td>4,000kg</td>
</tr>
<tr>
<td>Maximum center of gravity height</td>
<td>500mm</td>
</tr>
<tr>
<td>Hollow shaft diameter (Rotary axis/Tilt axis)</td>
<td>Ø85/Ø130</td>
</tr>
<tr>
<td>Allowable startup/stop torque</td>
<td>Rotary axis: 7,840Nm&lt;br&gt;  Tilt axis: 9,310Nm</td>
</tr>
<tr>
<td>Moment of inertia (I)</td>
<td>Rotary axis: 3.40×10⁻³ kg·m²&lt;br&gt;  Tilt axis: 3.21×10⁻³ kg·m²</td>
</tr>
<tr>
<td>Backlash/Lost motion</td>
<td>1 arc.min. (Rotation), 1 arc.min. (Translation)</td>
</tr>
<tr>
<td>Weight</td>
<td>609kg (*)</td>
</tr>
<tr>
<td>Reduction ratio</td>
<td>Rotary axis: 170&lt;br&gt;  Tilt axis: 706.3</td>
</tr>
<tr>
<td>Maximum output speed</td>
<td>Rotary axis: 17.6rpm (17.8sec/180deg)&lt;br&gt;  Tilt axis: 4.27rpm (17.8sec/180deg)</td>
</tr>
</tbody>
</table>

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**Center of Gravity Height and Allowable Load Range**

* Loading beyond this range will exceed the startup/stop torque and/or allowable moment of the reduction gear, and may damage the reduction gear.

* Loads given are reference values.

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