**Workspace COBOTTA PRO**

**COBOTTA 600**

**COBOTTA 1300**

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Weight 18 kg
230 V Single phase

**Reachable area**

**Workable space**

defined by point P

**TCP**

**J1 = ± 270°**

**J2 = ± 150°**

**J3 = ± 150°**

**J4 = ± 270°**

**J5 = ± 150°**

**J6 = ± 360°**
**Safety**

COBOTTA PRO is equipped with various safety functions that ensure highest safety standards.

**High Speed**

The lightweight, high-rigidity aluminium housing is equipped with DENSO developed torque sensors (highly rigid & lightweight) in all axis. By using both, high speed and collaborative operation, depending on the safety scene and risk assessment, the COBOTTA PRO safely contributes to productivity improvement.

**COBOTTA PRO 900**

<table>
<thead>
<tr>
<th>Max. arm reach</th>
<th>900 mm</th>
<th>1,020 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. payload</td>
<td>6 kg</td>
<td>12 kg</td>
</tr>
<tr>
<td>Max. TCP speed</td>
<td>2,100 mm/s</td>
<td>2,500 mm/s</td>
</tr>
<tr>
<td>Position repeatability</td>
<td>±0.03 mm</td>
<td>±0.06 mm</td>
</tr>
</tbody>
</table>

**COBOTTA PRO 1300**

<table>
<thead>
<tr>
<th>Max. arm reach</th>
<th>1,303 mm</th>
</tr>
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</tbody>
</table>

**Robot COBOTTA PRO 1300**

<table>
<thead>
<tr>
<th>Teach-tuning soft cover</th>
<th>Collaborative operation</th>
<th>High-speed operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pinching*</td>
<td>Collision*</td>
<td></td>
</tr>
<tr>
<td>Collision*</td>
<td>Pinching*</td>
<td></td>
</tr>
<tr>
<td>High-speed operation</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Without</td>
<td>1,400 mm/s</td>
</tr>
<tr>
<td></td>
<td>With</td>
<td>2,000 mm/s</td>
</tr>
</tbody>
</table>

**Definitions**

* Pinching: A collision whose energy cannot escape.
* Collision: A collision whose energy can escape.

By adding the optional touch sensing soft cover, the speed can even be increased while working in the collaborative mode.

**Integrated control**

A key feature of the COBOTTA PRO is its open development environment and the fully integrated TwinCAT real time layer broadening the range of applications.

**Specifications**

- **Standard internal wiring**
  - Air Piping: 2x 6mm, 2x 13mm, 1x 20mm
  - Hose Connector: 1x 6mm RP, 2x 8mm RP, 2x 10mm RP
  - User Wiring: 2x 6mm / 2x 10mm, 2x 16mm / 2x 26mm

- **Direct Wiring (Option)**
  - Direct Wiring: 4x 6mm, 3x 10mm, 1x 20mm
  - Hose Connector: 1x 6mm RP, 2x 8mm RP, 2x 10mm RP
  - User Wiring: 2x 6mm / 2x 10mm, 2x 16mm / 2x 26mm

**Easy to Use**

With the newly developed direct teach function for COBOTTA PRO, it is possible to create even complex tasks which require a high degree of precision quickly and easily. With optional functions such as fine adjustment and plane surface alignment, direct teaching is further simplified even for complex applications.

By using BLOCKLY, a visual intuitive programming language, even beginners can create advanced robot applications, while avoiding any syntax errors.

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