**UR3**

**Performance**

- **Repeatability**: ±0.1 mm / ±0.0039 in (4 mils)
- **Ambient temperature range**: 0-50°C
- **Power consumption**: Min 90W, Typical 125W, Max 250W
- **Collaboration operation**: 15 advanced adjustable safety functions.TÜV NORD Approved Safety Function
  - Tested in accordance with: EN ISO 13849:2008 PL d

**Specification**

- **Payload**: 3 kg / 6.6 lbs
- **Reach**: 500 mm / 19.7 in
- **Degrees of freedom**: 6 rotating joints
- **Programming**: Polyscope graphical user interface on 12 inch touchscreen with mounting

**Movement**

<table>
<thead>
<tr>
<th>Axis movement robot arm</th>
<th>Working range</th>
<th>Maximum speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base</td>
<td>± 360°</td>
<td>± 180°/Sec.</td>
</tr>
<tr>
<td>Shoulder</td>
<td>± 360°</td>
<td>± 180°/Sec.</td>
</tr>
<tr>
<td>Elbow</td>
<td>± 360°</td>
<td>± 180°/Sec.</td>
</tr>
<tr>
<td>Wrist 1</td>
<td>± 360°</td>
<td>± 360°/Sec.</td>
</tr>
<tr>
<td>Wrist 2</td>
<td>± 360°</td>
<td>± 360°/Sec.</td>
</tr>
<tr>
<td>Wrist 3</td>
<td>Infinite</td>
<td>± 360°/Sec.</td>
</tr>
</tbody>
</table>

**Typical tool**: 1 m/Sec. / 39.4 in/Sec.

**Features**

- **IP classification**: IP64
- **ISO Class Cleanroom**: 5
- **Noise**: 70dB
- **Robot mounting**: Any
- **I/O ports**
  - Digital in: 2
  - Digital out: 2
  - Analog in: 2
  - Analog out: 0
- **I/O power supply in tool**: 12 V/24 V 600 mA in tool

**CONTROL BOX**

**Features**

- **IP classification**: IP20
- **ISO Class Cleanroom**: 6
- **Noise**: <65dB(A)
- **I/O ports**
  - Digital in: 16
  - Digital out: 16
  - Analog in: 2
  - Analog out: 2
- **I/O power supply**: 24V 2A
- **Communication**: TCP/IP 100Mbit, Modbus TCP, Profinet, EthernetIP
- **Power source**: 100-240 VAC, 50-60 Hz
- **Ambient temperature range**: 0-50°C

**Physical**

- **Control box size (WxHxD)**: 475mm x 423mm x 268mm / 18.7 x 16.7 x 10.6 in
- **Weight**: 15 kg / 33.1 lbs
- **Materials**: Steel

**TEACH PENDANT**

**Features**

- **IP classification**: IP20

**Physical**

- **Materials**: Aluminium, PP
- **Weight**: 1.5 kg / 3.3 lbs
- **Cable length**: 4.5 m / 177 in

* The robot can work in a temperature range of 0-50°C. At high continuous joint speed, ambient temperature is reduced.