

# ER-FLEX

## SPECIFICATION



### Arm Options

	UR5e	UR10e	UR16e
<b>Arm Payload</b>	5 kg	12,5 kg	16 kg
<b>Arm Reach</b> (excluding tool)	850 mm	1300 mm	900 mm

### Physical

<b>Foot print</b>	80 × 58 cm
<b>Load space</b>	51,6 × 56 cm
<b>Weight</b>	182 - 195 kg
<b>Transport Payload</b>	Up to 186 kg
<b>Max Driving Speed</b>	2 m/s

### Power

<b>Battery</b>	34.2 Ah / 1.63 kWh
<b>Operation*</b>	8 hours (100% - 10%)
<b>Utilization*</b>	20 hours per day

\*Operation and utilization are estimates

### Environment

<b>Humidity</b>	10 - 95% non-condensing
<b>Ambient temperature</b>	5 - 40°C Max ambient temp for 1 h
<b>IP rating</b>	IP21 Arm and Tower - IP54

### Other

<b>WiFi</b>	Dual-Band Wireless b/a/g/n/ac
<b>Vision precision</b>	1 mm Relative to markers

### Safety

<b>Laser Scanners</b>	Detects objects from afar, 360°
<b>3D Cameras</b>	Detects objects taller than 40 cm
<b>Proximity sensors</b>	Scans the floor surrounding the robot
<b>Protective Stop</b>	Arm enters protective stop in case of unexpected forces

### ER-ABILITY

The ER-FLEX comes with the ER-ABILITY software, providing a coherent user interface for programming and operating the robot. Features of the software includes:

- Easy to use programming interface
- Vision system for precise localization to markers
- Reading of QR and bar-codes
- Communication with external IT systems through REST or OPC-UA