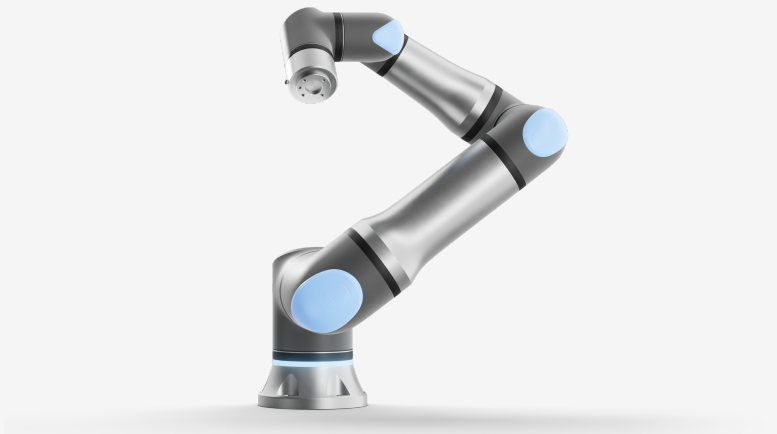




UR18

General specification

Payload	18 kg / 39.7 lbs
Reach	950 mm / 37.4 in
Degrees of freedom	6 rotating joints
Programming	12-inch touchscreen with PolyScope graphical user interface
Power consumption	
Maximum power	570 W
Operating temperature range	Ambient temperature: 0-50 °C / 32-122 °F
Safety functions	23 configurable safety functions
In compliance with	EN ISO 13849-1 (PLd Category 3), EN ISO 10218-1 and UL 1740
Joint architecture	2-1-3

UR18 Robot Arm

Performance

Force sensing, tool flange/torque sensor	Force, x-y-z	Torque, x-y-z
Range	± 150.0 N	± 10.0 Nm
Precision	± 7.5 N	± 0.2 Nm
Accuracy	± 8.3 N	± 0.5 Nm

Movement

Axis movement	Working range	Maximum speed
Base	± 360°	± 180°/s
Shoulder	± 360°	± 180°/s
Elbow	± 360°	± 240°/s
Wrist 1	± 360°	± 300°/s
Wrist 2	± 360°	± 300°/s
Wrist 3	± 360°	± 300°/s

UR18

Technical specification

The UR18 combines strength and agility, supporting larger end effectors to lift heavier payloads while remaining light enough for easy mounting on most standard gantry systems. With a 950 mm reach and speeds up to 4 m/s, it's ideal for fast-paced pick-and-place deployments where reducing cycle times is crucial.

Today, more than 100,000 UR collaborative industrial robots have been delivered to customers across industries and around the world. The newest series of UR cobots brings unparalleled performance, adaptability and user experience.

Updated October 2026
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Features

IP Classification	IP65
Noise	< 67 dB(A)
Status identification	Light ring at robot base
Arm mounting	Any orientation
I/O Ports at tool flange	
Digital In	2
Digital Out	2
Analog In	2 or 1 x RS485
Power supply voltage	12/24 V
Power supply	2 A (Dual pin), 1 A (Single pin)

Physical

Footprint	Ø204 mm
Materials	Aluminum, plastic, steel
Tool flange	EN ISO 9409-1-50-4-M6
Connector type	M8 8-pin female
Cable length (robot arm)	6 m / 236 in
Weight without cable	39,2 kg / 86.42 lbs
Humidity	≤ 90% RH (non-condensing)

Contact

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3-Position Enabling Teach Pendant

Features

IP classification	IP54
Humidity	≤ 90% RH (non-condensing)
Display resolution	1280 x 800 pixels

Physical

Materials	Plastic
Teach pendant size (W x H x D)	300 mm x 231 mm x 50 mm / 11.8 in x 9.1 in x 1.97 in
Weight	1.8 kg / 3.968 lbs including 1 m of teach pendant cable
Cable length	4.5 m / 177.17 in

Control Box

Features

IP classification	IP44
Humidity	≤ 90% RH (non-condensing)
I/O Ports	
Digital In	16
Digital Out	16
Analog In	2
Analog Out	2
Quadrature digital inputs	4
I/O Power Supply	24 V, 2 A
Industrial protocols	Modbus TCP (Client/Server)
	Ethernet/IP Adapter
	PROFINET device, PROFIsafe
	ROS/ROS2
	Ethernet 1 Gb/s
Hardware interfaces	USB 2.0 USB 3.0
	Mini DisplayPort
	Injection Moulding Machine Interface (SPI AN-146 & Euromap-67)*
Power Source	100-240 VAC, 47-440 Hz

*Only valid for OEM version.

Physical

Control Box Size (W x H x D)	460 mm x 449 mm x 254 mm / 18.2 in x 17.6 in x 10 in
Weight	12 kg / 26.5 lbs
Materials	Powder coated steel

The control box is also available in an OEM version.

