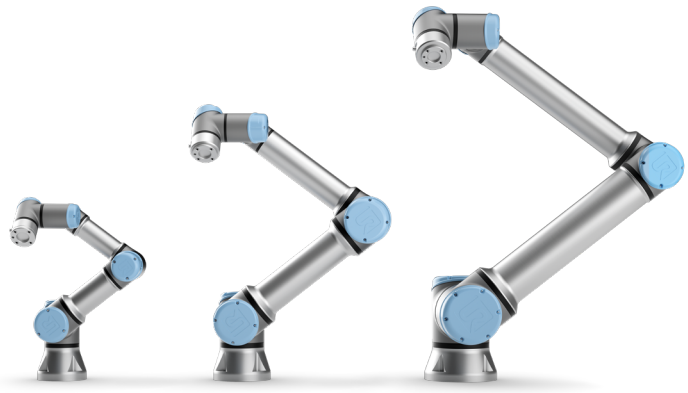
UNIVERSAL ROBOTS

Learn More about the e-Series

Automate with e-Series

Proven. Portable. Precise.

The e-Series is the most trusted robot for collaborative applications worldwide, delivering precision and reliability. Lightweight portability and wide versatility make it the best choice for common workbench robotic tasks. Backed by a mature software platform and ecosystem, e-Series ensures fast deployment today and scalability for tomorrow.



Why Universal Robots?

Proven Brand & Ecosystem

- 20+ years of industry leadership and 100k+ robots deployed
- A robust ecosystem of UR-compatible solutions and accessories

Safe by Design

- Ultralight weight design and force-torque sensing enables safe, flexible automation in space-limited and co-working environments
- International standard compliance ensures faster deployment and built-in safety that protects your people and your assets

Scalable Software

- Low learning curve + high capability ceiling allow you to start simple and scale to advanced
- PolyScope included out of the box + lifetime upgrades provides predictable Total Cost of Ownership and access to the latest software

Flexibility & ROI

- Deployable by 1-2 people without major infrastructure changes
- Lightweight design and intuitive programming allow fast changeovers for new tasks or lines
- Lifetime PolyScope upgrades, built-in protocols, and no hidden fees

Why the e-Series?

Demonstrated Reliability

- Most deployed industrial collaborative robot family worldwide
- Compatible with 500+ UR+ validated solutions and accessories

Compact & Portable

- Redeployable by 1 person
- No major facility modifications required

High Precision

- Repeatability from ±0.03 mm to ±0.05 mm across the series
- Ideal for high-precision tasks

Affordable Industrial Automation

- Lower Total Cost of Ownership compared to traditional industrial automation
- Average payback under 12 months

e-Series Industries and Applications

Metals & Fabrication Industries

Enhance safety and consistency in metalworking environments.

- Small format machine tending
- Light-weight material handling & assembly
- Quality Inspection tasks

Electronics Manufacturing

Boost precision and efficiency in high-mix, low-volume electronics production.

- Precision Assembly Tasks
- Device Testing Tasks
- Quality Inspection Tasks

Education & Research

Hands-on, industry relevant automation experience for learners – from entry level to advanced.

- Classroom Training & Education
- Corporate and Academic
- Robotics & AI Research

Meet the e-Series Family

Specification Highlights



	UR3e		UR7e		UR12e	
Payload	3 kg (6.6 lbs)		7.5 kg (16 lbs)		12.5 kg (27.5 lbs)	
Reach	500 mm (19.7 in)		850 mm (33.5 in)		1300 mm (51.2 in)	
Footprint	Ø128 mm		Ø151 mm		Ø190 mm	
Maximum TCP speed	3 m/s		4 m/s		4 m/s	
Pose Repeatability per ISO 9283	± 0.03 mm		± 0.03 mm		± 0.05 mm	
Force sensing, tool flange/torque sensor	**Force, x-y-z**	**Torque, x-y-z**	**Force, x-y-z**	**Torque, x-y-z**	**Force, x-y-z**	**Torque, x-y-z**
Range	± 30.0 N	± 10.0 Nm	± 50.0 N	± 10.0 Nm	± 100.0 N	± 10.0 Nm
Precision	± 2.0 N	± 0.1 Nm	± 3.5 N	± 0.2 Nm	± 5.0 N	± 0.2 Nm
Accuracy	± 3.5 N	± 0.1 Nm	± 4.0 N	± 0.3 Nm	± 5.5 N	± 0.5 Nm
Safety functions	17 configurable safety functions					
In compliance with	EN ISO 13849-1 (PLd category 3) and EN ISO 10218-1					
IP Classification	IP54					
Power consumption (average)						
Maximum power	300 W		570 W		615 W	
Moderate operating settings	150 W		250 W		350 W	

UR | MiR
TERADYNE Robotics

The Innovator in Collaborative & Autonomous Mobile Robotic Technologies
Teradyne Robotics companies, Universal Robots (UR) and Mobile Industrial Robots (MiR), empower companies to optimize manufacturing processes, leading to improved product quality, and increased productivity, while generating the fastest ROI.

Contact Us

Global Headquarters
Teradyne Robots
Energivej 51 DK-5260
Odense, Denmark
+89 93 89 89 5260

North American Sales Office
Teradyne Robots
27175 Haggerty Road
Suite 160
Novi, MI 483777
+1 844-462-6268

Wester-Europe DACH
Teradyne Robots
(Germany) GmbH
Zielstattstr 36
81378 Munchen
+40 89 1218 972-0

Visit: www.teradyne.com/robotics