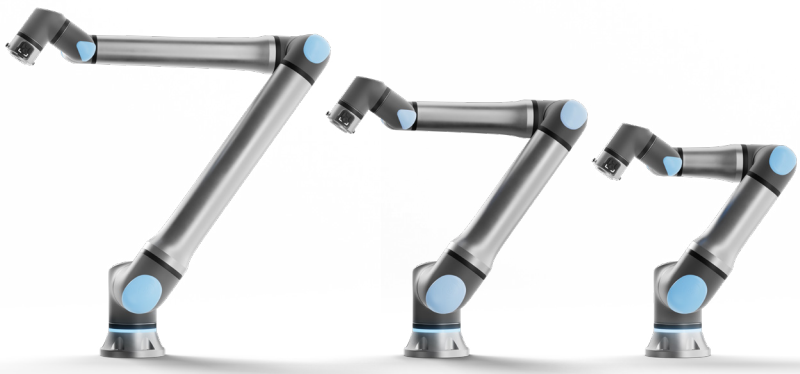
UNIVERSAL ROBOTS
A Teradyne Robotics Company

Gen 7 Platform
g-Series Arms

7th generation arms, designed for industry with built-in connectivity



UR10g-1750 UR17g-1300 UR18g-950

The new g-Series tool flange enables the vision and sensing needed for AI models to run in real-time with the robot, delivering data, power, and safety directly to the tool flange. This eliminates cabling complexity and makes it easier to connect cameras and high-bandwidth sensors, which is critical to advanced automation and physical AI deployments.

The Gen 7 platform adds three new robot arms, named after their payload (kg) and reach (mm), joining the e-Series and UR Series lineup.

Learn more about Universal Robots 7th Generation robot arm
Explore Gen 7 online

Why g-Series?

THE MOST ADVANCED ROBOT IN ITS CLASS.

- Expand EOAT and camera integration while reducing dress kits and cabling
- Teach & deploy faster than traditional robots
- Deploy a safe, secure, and modern net

BUILT FOR AI. AT THE FRONT OF THE REVOLUTION.

- Implement safe and reliable external IPC control
- Reduce risk and stay on top of the latest AI developments
- Connect cameras and external AI compute cleanly while isolating work cell data

ADVANCED. NOT COMPLICATED.

- Deploy efficiently and integrate effectively with secure plant-ready communications
- Program your preferred way

Why Universal Robots?

THE ORIGINAL COBOT MANUFACTURER.

- Backed by 20+ years of industry leadership and 100,000+ deployments, and a robust ecosystem

SAFE BY DESIGN

- Ultralightweight robots and force-torque sensing enable safe, flexible automation in space limited and co-working environments
- International standard compliance ensures faster deployment and built-in safety to protect your people and assets

EXTENSIBLE SOFTWARE

- Low learning curve + high capability ceiling allow you to start simple and scale to advanced

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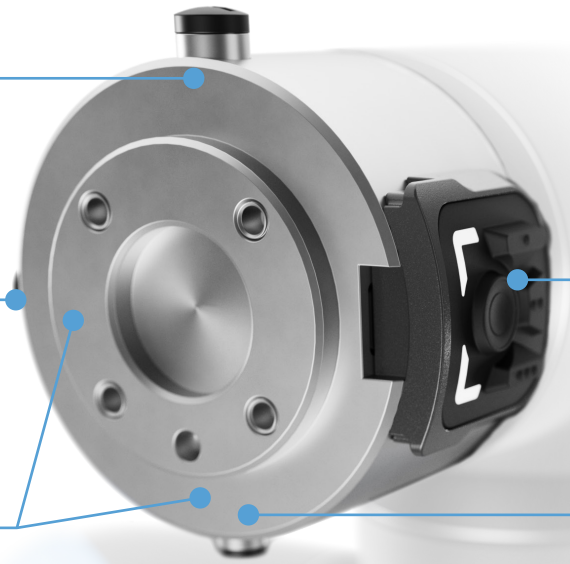
g-Series tool flange

Connect cameras and advanced end of arm tools without external cabling complexity

Data at the tool
- 1 Gb Ethernet for cameras and sensors

Power at the tool
- 24 / 48 V (5A peak, 3A continuous) for high power end of arm tools

Safety at the tool
- Safety rated inputs for 3rd party safety device integration



Teach and program from the end of arm
- Optional SP7 smart panel enables faster teaching

Ecosystem compatibility
- M8 I/O preserves ecosystem investments



Technical Data Highlights

Model	UR10g-1750	UR17g-1300	UR18g-950
Max payload	10 kg / 22.0 lbs	17 kg / 38.6 lbs	18 kg / 39.7 lbs
Reach	1750 mm / 68.9 in	1300 mm / 51.2 in	950 mm / 37.4 in
Arm weight	44.7 kg / 98.5 lbs	40.7 kg / 89.7 lbs	39.2 kg / 86.4 lbs
Max TCP Speed	5 m/s	5 m/s	4 m/s
Pose repeatability	±0.08 mm	±0.05 mm	±0.05 mm
IP Classification	IP65	IP65	IP65

Compatibility

- ✓ **Software: PolyScope X**
- ✓ **Controller: CB7 (all models)**
- ✓ **Teach Pendant: TP7 Core**
- ✓ **Cables: Gen 7 cables**

UR | MiR
TERADYNE Robotics

The Global Leader in Collaborative Robotic Innovation
Universal Robots (UR), a Teradyne Robotics company, empowers manufacturers of all sizes to automate repetitive and dangerous tasks. Our solutions optimize production lines, leading to superior product consistency and operational flexibility, while delivering the fastest ROI in the industry.

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