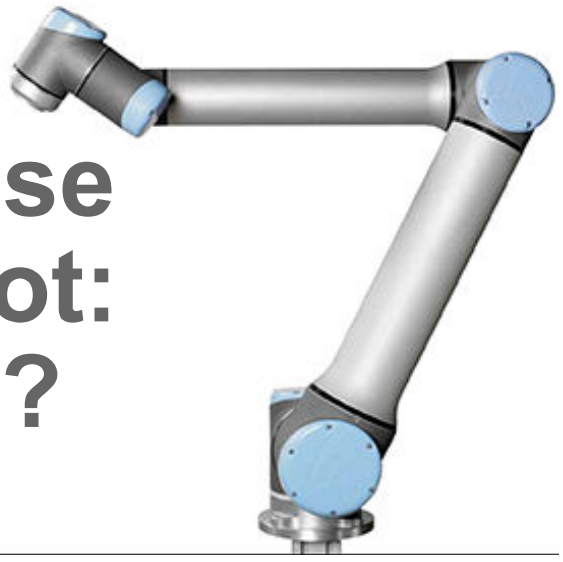
Help Me Choose the Right Robot: UR5 or UR10?



Both the UR5 and UR10 models are highly flexible, lightweight, 6-axis robot arms that are ideal for a wide range of applications. Capabilities are typically compared based on reach and payload, which also result in weight and footprint differences:

	UR5 robot arm	UR10 robot arm
Working radius	850 mm/33.5 ins	1300 mm/51.2 ins
Payload	5 kg/11 lbs	10 kg/22 lbs
Weight	18.4 kg/40.6 lbs	28.9 kg/63.7 lbs
Footprint	149 mm/5.9 ins	190 mm/7.5 ins

What to Consider when Buying a Collaborative Robot

Future Robotic Requirements

You might only need a certain reach and payload today, but with the flexibility you gain with Universal Robots, make sure to think about what you might automate in the future.

UR robot arms are easy to move and set up for agile manufacturing and new processes.

Programming is quick and easy and programs can be stored and accessed again for later use. So while the UR5's reach and payload may meet your needs today, many of our customers find that the UR10 offers better long-term flexibility.

Where to Mount Your Robot Arms

80% of the thousands of UR robots worldwide operate with no safety guarding (after initial risk assessment). Without expensive, space-consuming fencing, UR robots are easy to move anywhere in your operation. While you may be thinking in terms of a robot arm for a particular process, our portable, space-saving robots can often fit into work cells and production lines where traditional robots would not. You may find you want more than one robot arm!

Human Operators & Collaborative Robotics

You may have felt limited in reach or payload capabilities based on proximity of human operators, but no longer.

Our third-generation robot arms can operate in reduced mode when a human enters the robot's work cell and then resume full speed when the operator leaves. Or the robot can run full speed inside a CNC machine, and reduced speed when outside. Eight safety functions are monitored by our patented safety system: joint position and speed, TCP position, orientation, speed and force, as well as the momentum and power of the robot. The settings can only be changed in a password-protected area.

Connecting Your Robot to Peripherals & External Machinery

Both the UR5 and UR10 use our True Absolute Encoders that simplify integration with external machinery. And 16 additional digital I/Os that makes it easy to configure either digital or safety signals for either model.