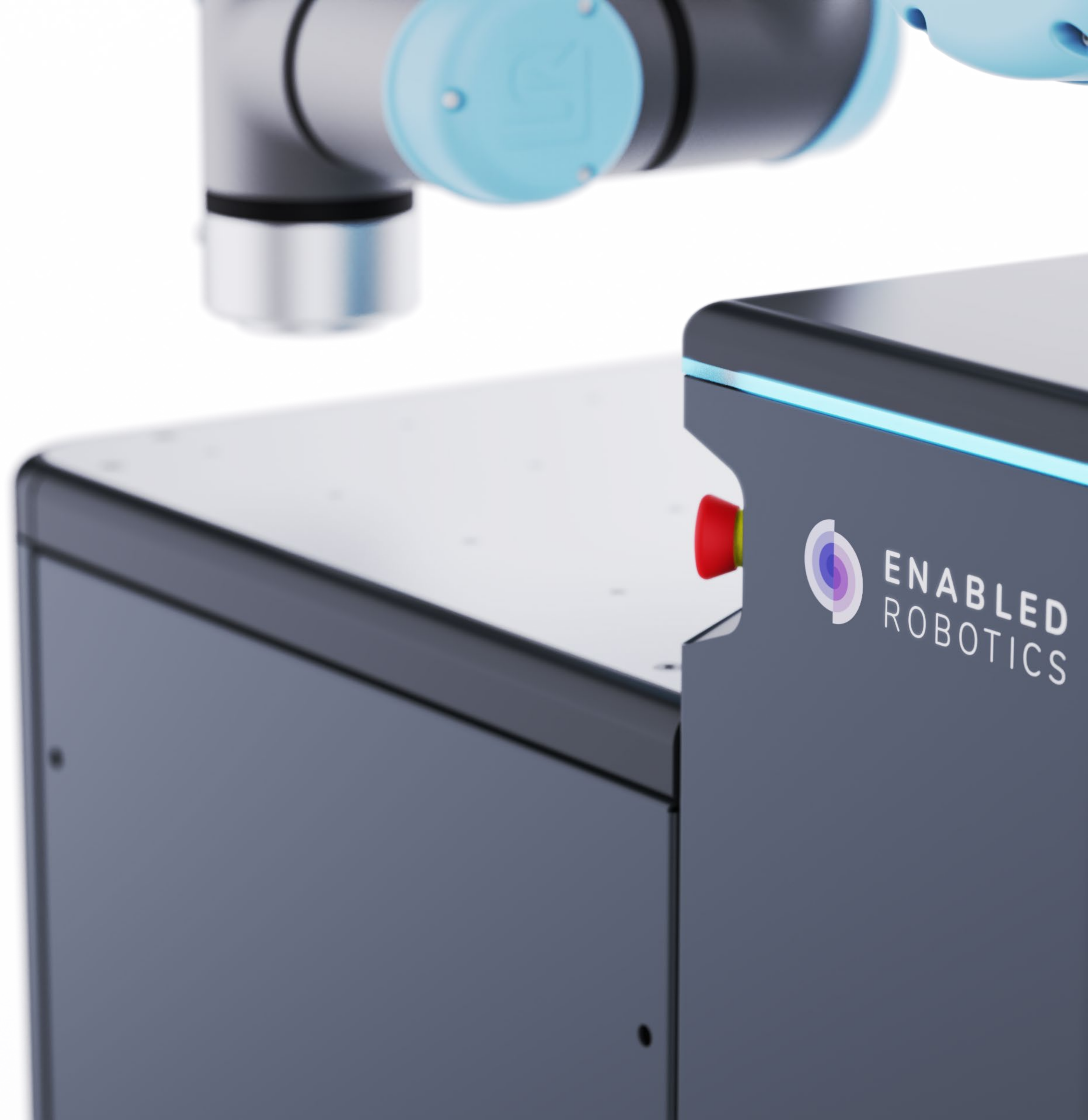




ER-FLEX

Automation is within your reach.



ONE ROBOT. ENDLESS POSSIBILITIES.

The flexibility of a robot arm, mobility of an autonomous robot and intelligent solutions based on artificial intelligence and machine learning. The ER-FLEX is a mobile collaborative robot that brings you closer to your automation goals.

Multiple applications in one robot

	Manufacturing	Pharmaceutical	Healthcare	Research	Education
	Mobile multi-tasking around the clock.	More connectivity. More productivity.	More time for you. More time for patients.	A reliable platform that sets you free.	Multi-level programming from beginner to pro.
Intralogistics automation	✓	✓	✓	✓	✓
Machine tending	✓	✓		✓	✓
Quality control	✓	✓		✓	
Sample handling	✓	✓		✓	
Lab automation		✓	✓	✓	

HARDWARE

Optimized for space, flexibility and carrying capacity.

Safety

- Status light indication system for complete robot
- Integrated safety/E-stop system for complete robot
- Proximity sensors and 360° degree laser scanner
- 2 x 3D cameras for obstacle detection
- Safe arm position

Tower and front module

- Modular and extendable according to your needs
- Aluminium front and side panels for low weight
- Multiple mounting positions for the arm (left/right/middle)
- Fixing plate with M6 threads for attaching accessories

Don't see your area of interest?
Call our team on +45 61 8181 61



Image: NLR - Royal Netherlands Aerospace Centre

SOFTWARE

Just one interface. It couldn't be easier.

ER-ABILITY

- User-friendly drag-and-drop interface
- Pre-programmed commands for ease of use
- Customizable commands easy to do
- Web-based user interface that can be operated from your smartphone, tablet or computer

Vision system

- Specially designed system for our autonomous robot
- 6D calibration system (1 mm precision) that helps the robot sense changes in its environment so it can act accordingly
- 2D object detection in real-time



CONFIGURE YOUR ER-FLEX

The ER-FLEX is available in three sizes: low (standard), medium and high. Custom colors available upon request.

Interchangeable tools and modules

A choice of module heights and end-of-arm tools means you can expand the range of tasks your ER-FLEX can do. Configuring the robot to your needs puts you in charge and brings you even closer to your automation goals.

ER-FLEX High

Designed for transporting smaller items or attaching a fixing plate at table height. The space inside can be used for extra battery power, compressors for vacuum grippers, measurement equipment, controllers etc.

ER-FLEX Medium

Combines the flexibility of the low ER-FLEX with the need for space for on-board equipment such as extra batteries or small compressors for vacuum grippers etc.

ER-FLEX Low

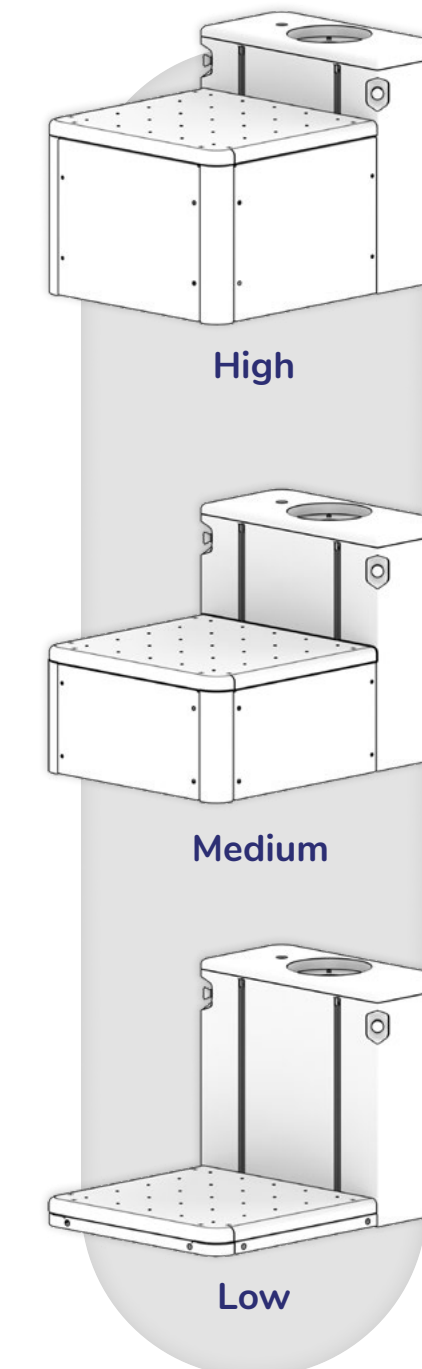
Allows you to customize the space for any application. There is plenty of space for tall items and you can fit any jig or fixture to the ER-FLEX fixing plate.

Not sure which ER-FLEX is right for you?
Call our team on +45 61 8181 61

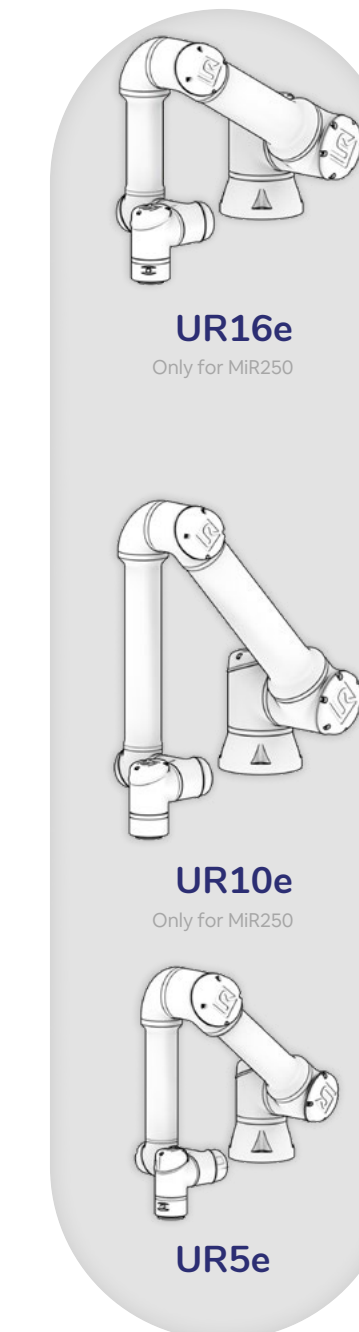
1 Choose your mobile platform



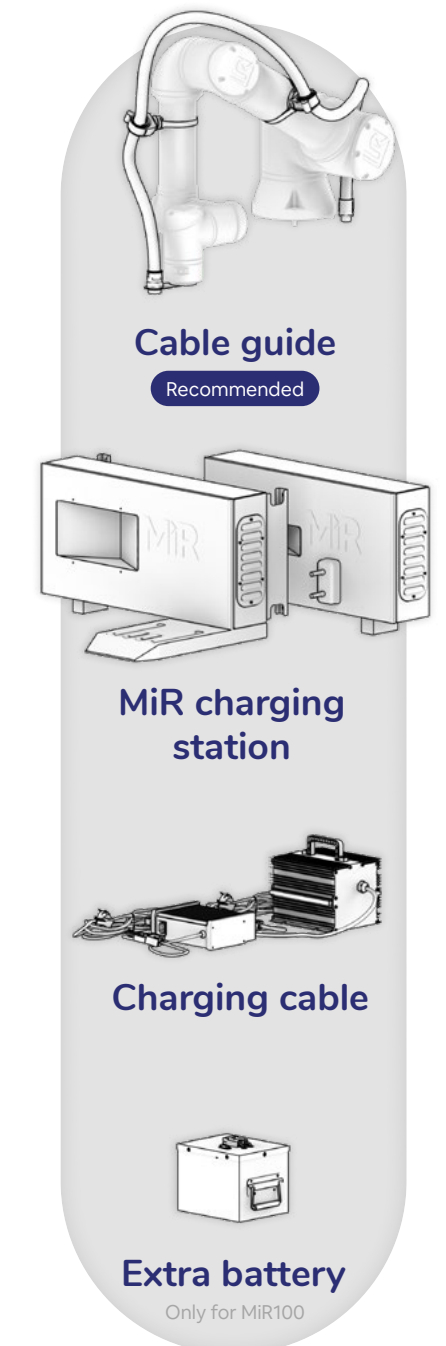
2 Choose your module



3 Choose your robot arm



4 Choose your accessories



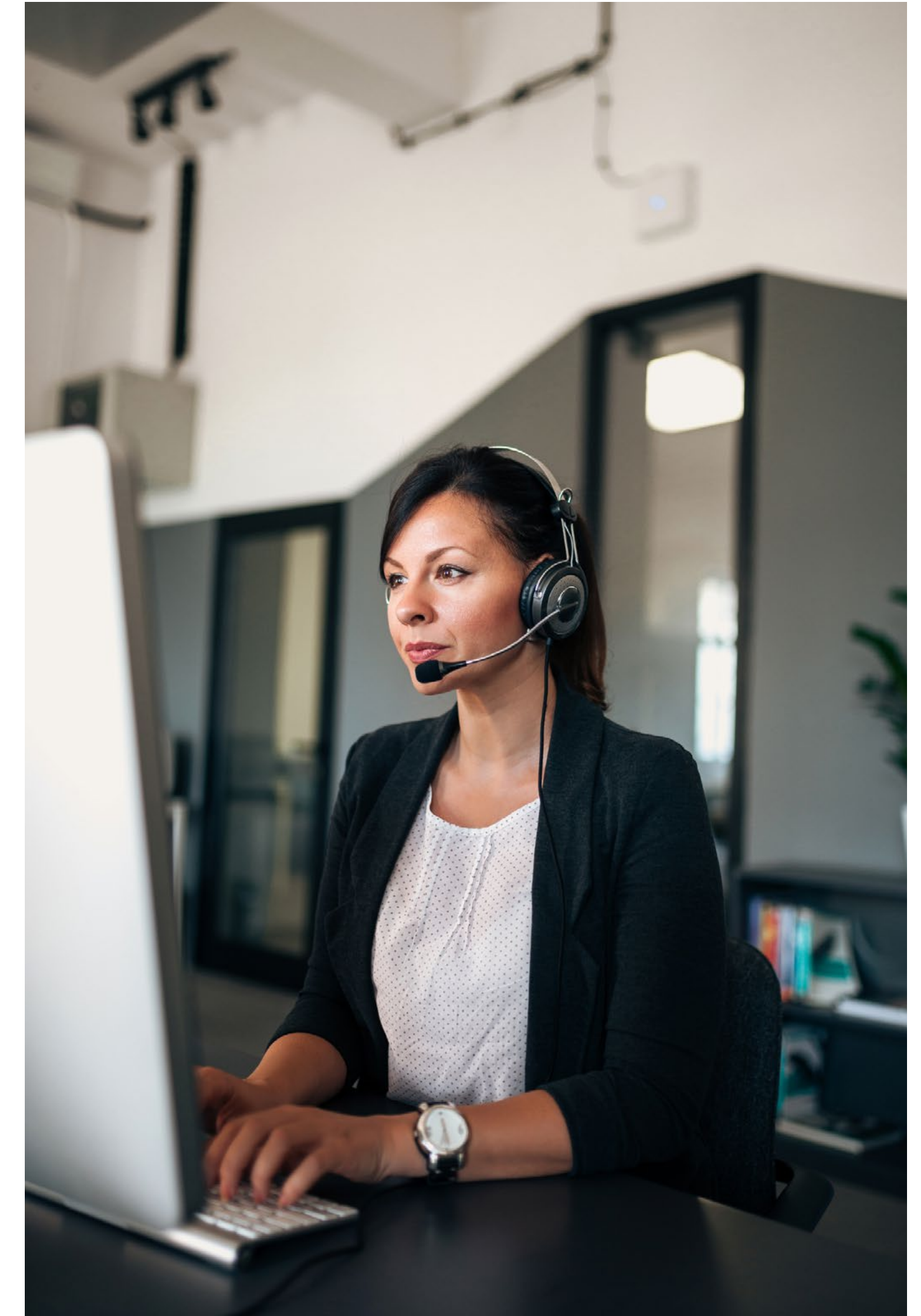
ER-ACADEMY

The ER-FLEX is a mobile collaborative robot with easy and intuitive programming that you can unbox and get up and running in under an hour.

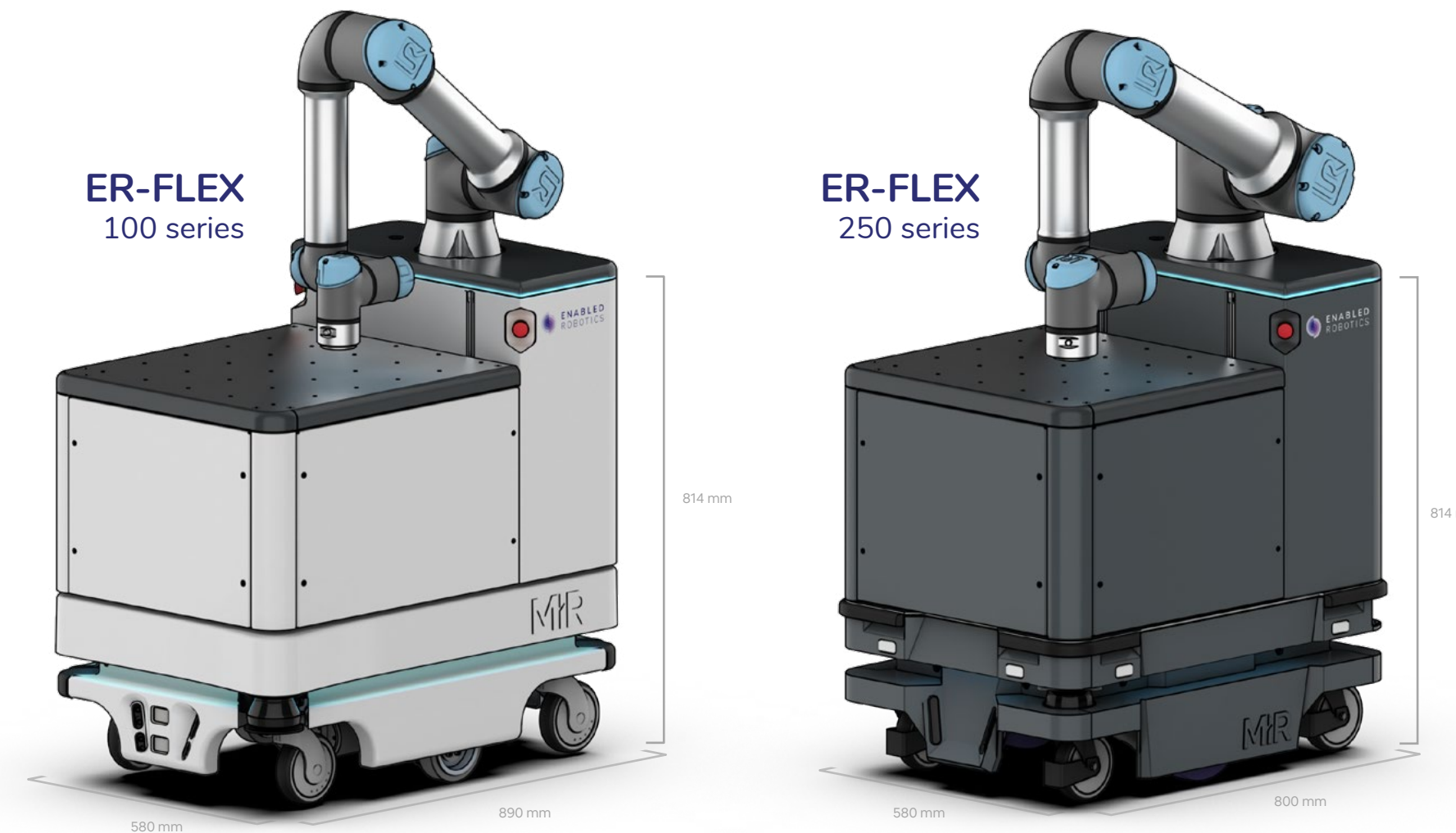
Once you've taken delivery of your ER-FLEX, you'll get access to our intensive ER-ACADEMY certification program. One of our technicians will guide you through the test, start-up and intro phases of the ER-FLEX:

- Powering the robot
- ER-ABILITY software interface
- MiR instruction
- UR instruction
- System pages
- Programming
- Q&A

This one-to-one online course is customized to your level of technical knowledge and designed to get you up and running in no time!



SPECIFICATIONS



Weight (without payload)	141 - 145 kg	147 - 165 kg
Arm options	UR5e	UR5e / UR10e / UR16e
Arm payload	UR5e: 5 kg	UR5e: 5 kg / UR10e: 12.5 kg / UR16e: 16 kg
Payload	Up to 29 kg	Up to 186 kg
Operating time	6 hours - 100 to 10% (with two batteries)	4.5 hours - 100 to 10%
Charge time	1.35 hours - 20 to 80% (with two batteries)	40 minutes - 20 to 80%
Daily utilization	Up to 17.5 hours (with two batteries)	Up to 20 hours
Communication	Dual-band wireless (b/g/n/ac)	
Environment	5 - 40°C IP20 (humidity 10 - 95% non-condensing)	

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