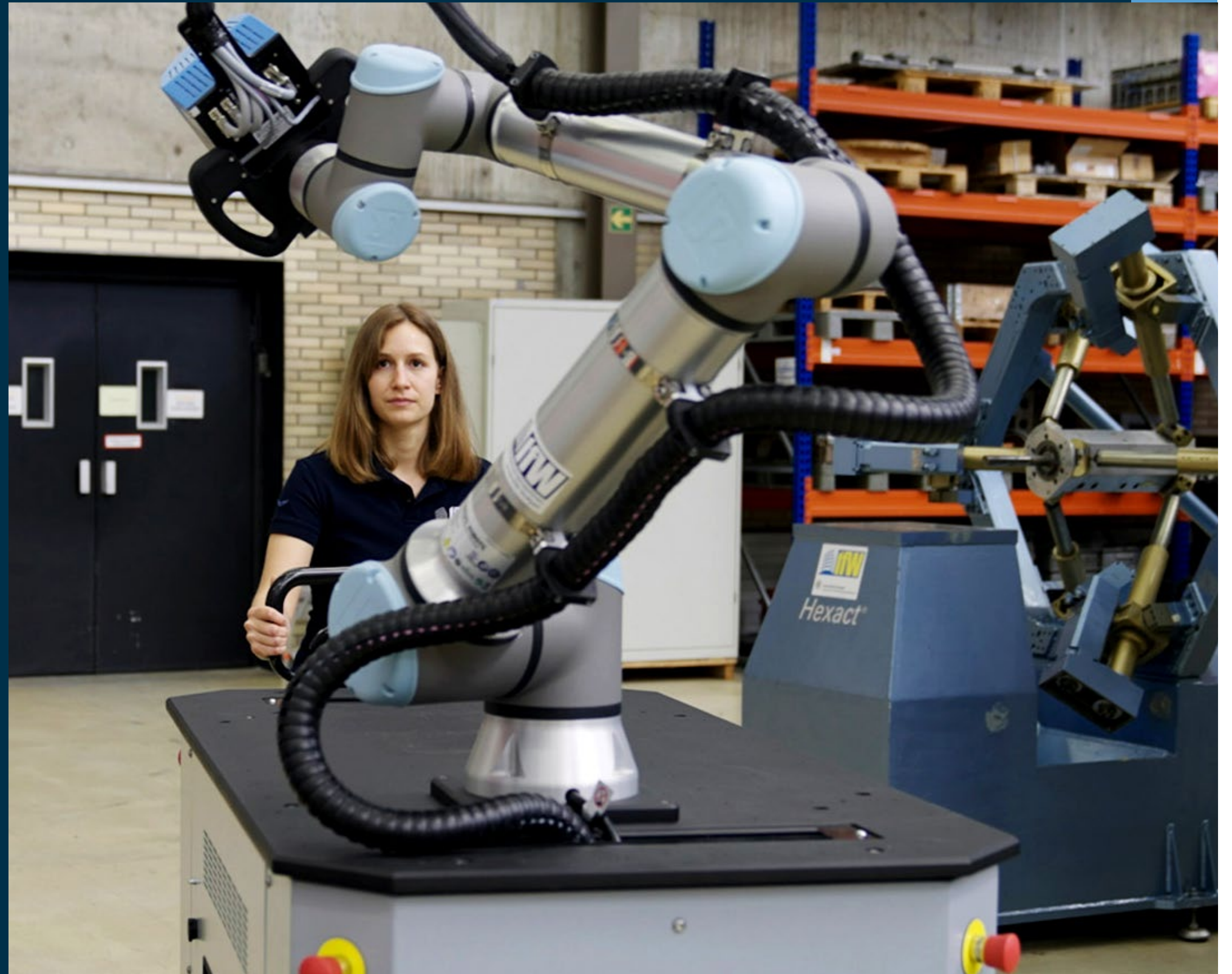


# Thinking about manufacturing automation?

Five ways cobots can transform your business.

Published September 2021



# Cobots can help solve many of your high-stakes operating issues.

Collaborative robots (cobots) can improve your processes and help address challenges quickly and cost-effectively. That's because they work alongside humans\*, automating work wherever that makes sense to your business.

Cobots are able to automate manual processes common to many industries. Because they are more affordable and easier to use than traditional industrial robots, many businesses choose to use cobots to reduce costs, improve quality and keep their businesses agile.

\*Subject to risk assessment

Do you face any of these pressing business challenges? ✓

Manufacturing efficiency

Quality control

Business capacity

Market responsiveness

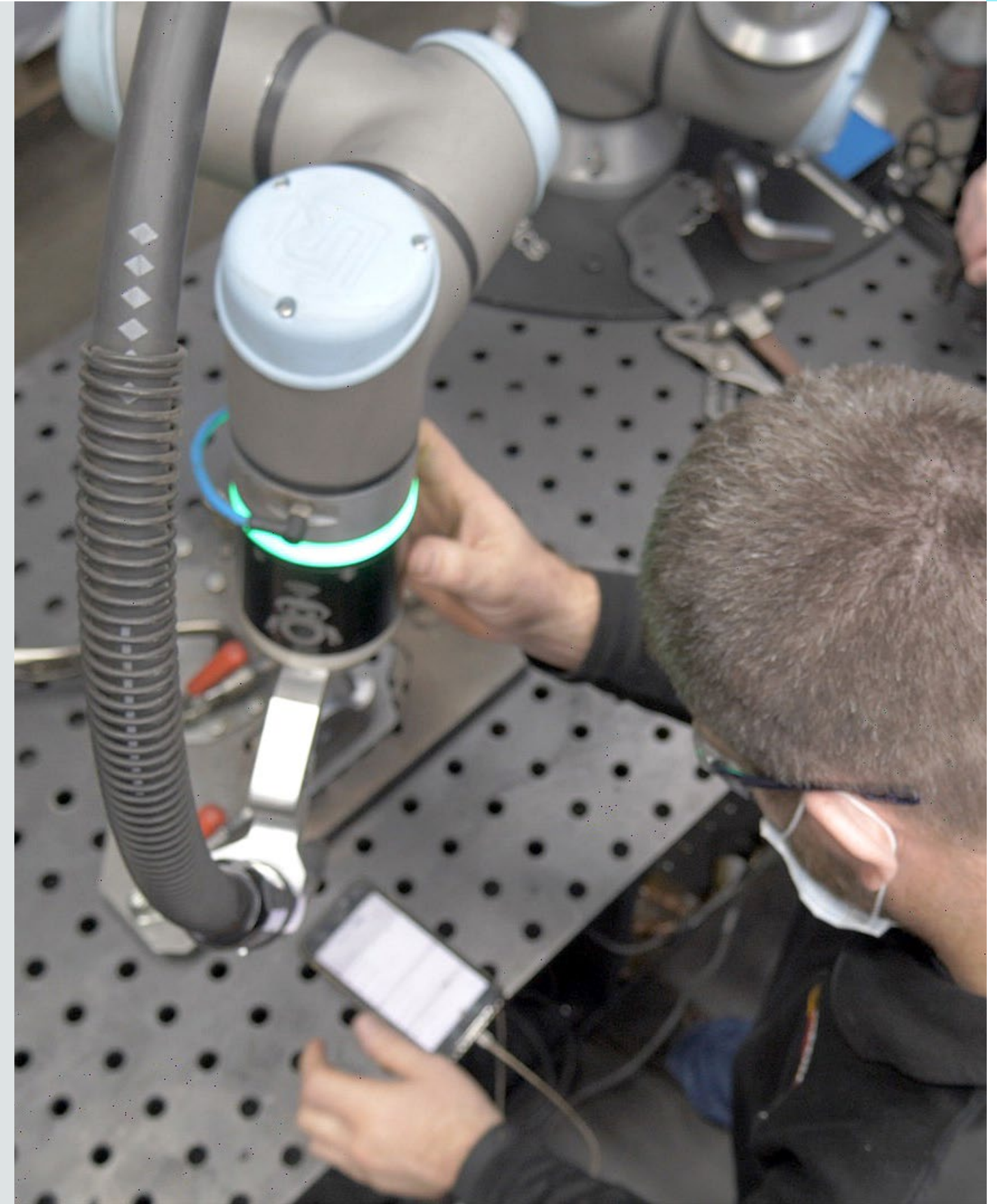
Employee attraction and retention

Flexibility

Rapid growth

Cost containment

**Read on to learn about the five ways cobots can transform your business.**



# Automate the least appealing work and get the best from your employees.

Cobots can be given jobs that are repetitive, dirty and dangerous. They excel at strenuous work and don't tire. This gives your employees a chance to focus on more skilled and creative work with benefits to your business, staff wellbeing, recruitment and retention.

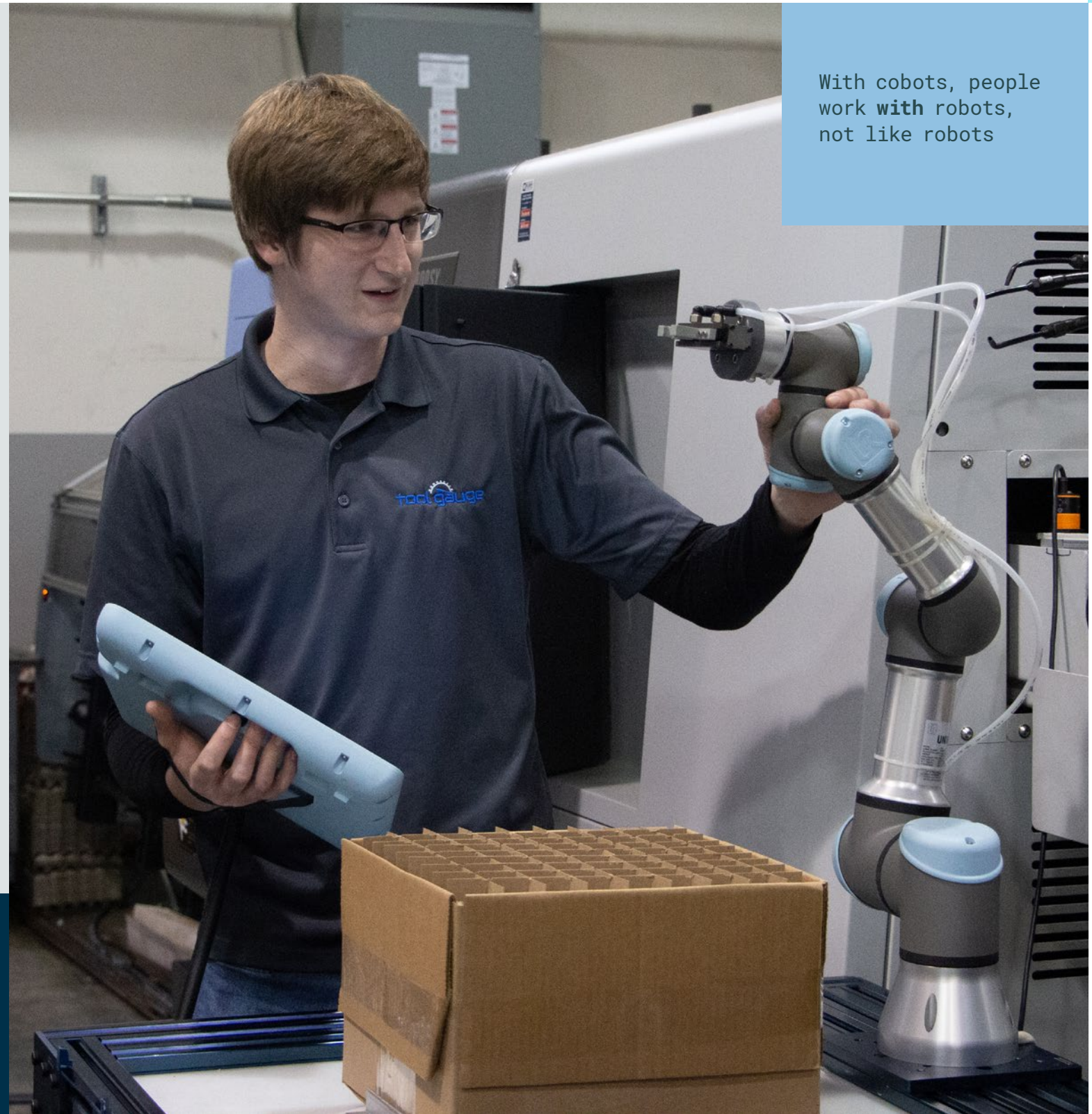
“ **The products that we manufacture are labor-intensive. The challenge is finding people who want to do that type of repetitive work. We have a labor issue. We need to hire about 100 more employees. [Using a cobot] is a way to bring that number down to 50-60.**

**Jim Lee**  
General Manager, Tool Gauge



Learn more about the Tool Gauge implementation [here](#).

With cobots, people work **with** robots, not like robots



# Improve quality while reducing costs.



It's difficult for humans to work on tasks in the same way day after day, but cobots can perform work with 100% consistency. A cobot is the right resource when you have processes that require a high degree of precision. Cobots can save you money on rework and scrap, while improving throughput. These are real savings you can pass on to customers or drop straight to the bottom line.

“ Before the robots were here, we were looking at basically double-digit numbers of units that were being built wrong or had a flaw. With the robot, now we are less than 1%.

Einar Rosenberg  
CEO, Creating Revolutions



Take a look at Creating Revolutions' approach to quality control [here](#).

# Pivot production quickly to meet demand.

Cobots offer the ultimate automation flexibility. Seamlessly integrate various tools, grippers, vision systems and accessories to do different kinds of work with one cobot. This helps you automate multiple processes without the cash outlay associated with traditional industrial automation.

Cobots are compact, lightweight and easily moved from task to task without major disruptions to floor space or existing cells. Output can be increased because cobots simplify process changeovers and product variation.

“ We can easily reprogram and reuse the robot, taking it from one application to the next. These are benefits we did not experience in the way we used to work. Flexible automation is now our most important core issue.

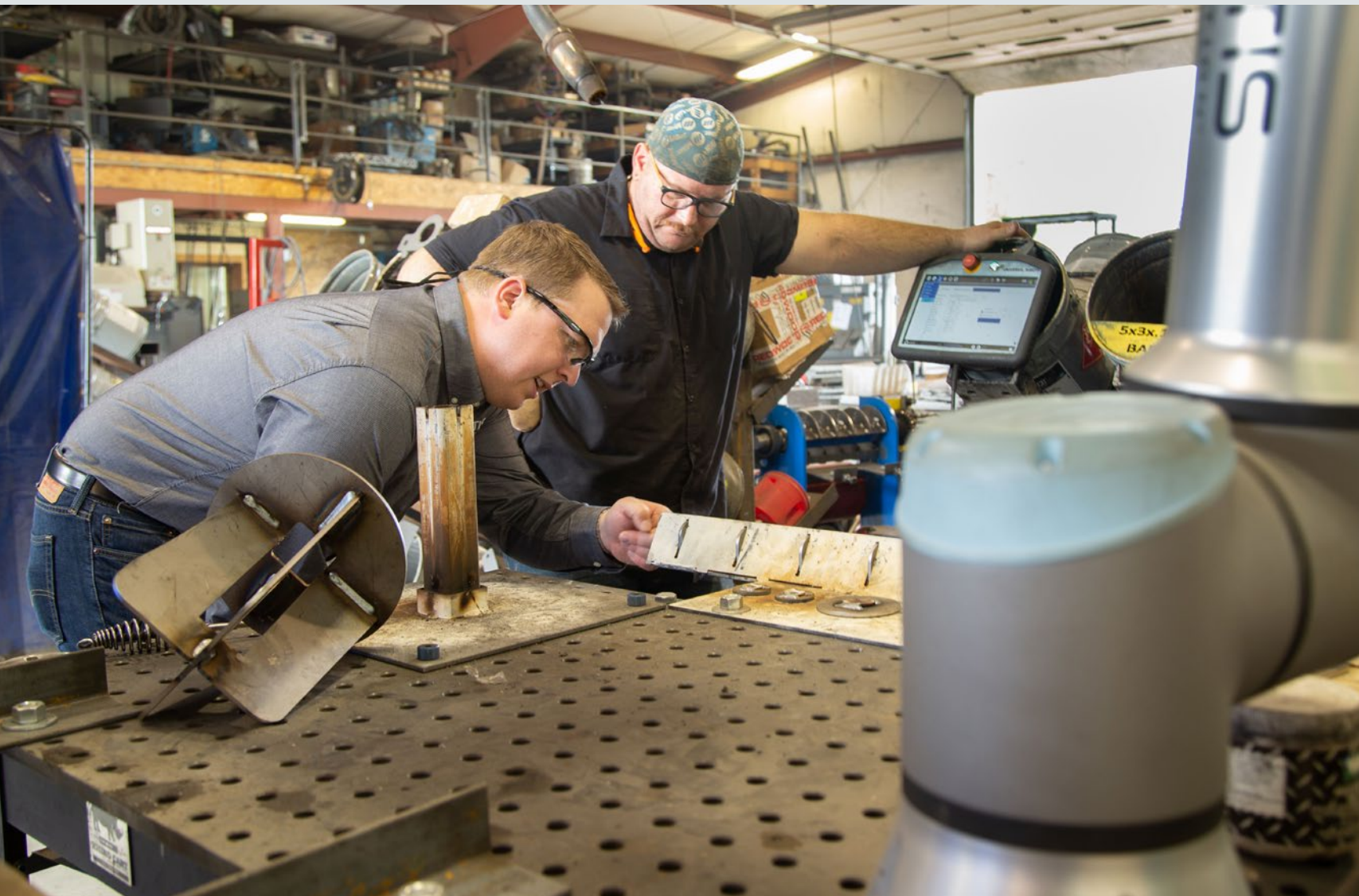
**Rickard Isaksson**  
Quality and Environmental Manager, Leax Group



Learn about mobile automation from the Leax Group [here](#).



# Upskill your employees and enjoy lower automation costs.



“ Conventional robots aren’t very flexible... and the cost would have gone through the roof... The big difference is the ‘collaborative robot approach’ of being able to work with the robot, and it being so teachable and so easy to run.

**Travis Jordan**  
Owner and President, MT Solar

Traditional automation solutions usually require the involvement of experienced engineers or programmers. In contrast, many common cobot processes can be programmed and operated by your frontline workers. Free online training modules give existing employees the most essential cobot skills, with in-person training and expert advice available for more complex tooling and programming. By introducing cobots to your business, you can upgrade employee skills and increase job satisfaction while improving quality and reducing costs.

“ I’m a welder by trade... I didn’t know anything about robots, and I’m not very computer-savvy. Curiosity attracted me to the robot and I was really surprised at how easy it was to figure it out.

**Mike Gillin**  
Certified Welder at MT Solar



Get a first-hand look at how MT Solar employees program cobots [here](#).

# Reduce workplace injuries and keep production flowing.

Injury reduction is one of the best reasons to bring cobots into a business. Cobots can remove workers from strenuous lifting, repetitive movement and dangerous machines or tools.

You can avoid many common manufacturing injury risks with cobots, including contact with harmful objects, heavy lifting and repetitive strain. Both employees and employers gain from reducing the impact of acute injury and strenuous movement; quality of life is increased while and staff absence reduced.

“ **Manually carrying packaging cartons from the pallet to the magazine... was a monotonous and strenuous task and often staff endured repetitive strain or sustained severe cuts while removing the packaging cable... [Using cobots] frees up our team to focus of more demanding tasks that improves their job satisfaction and crucially, keeps them safe. This has helped us realize our goal and achieve a zero accidents culture, a key part of our sustainability program**

Thomas Kern Ruby  
Senior Project Manager at Carlsberg Fredericia



See safety in action at [Carlsberg](#).



# Ready to transform your business?

Cobots are an ideal productivity tool for almost any manufacturer because they help you solve real challenges and become more competitive. Find out more about how you can grow your business, improve productivity, increase quality, and provide a better working environment for your employees.

## About Universal Robots

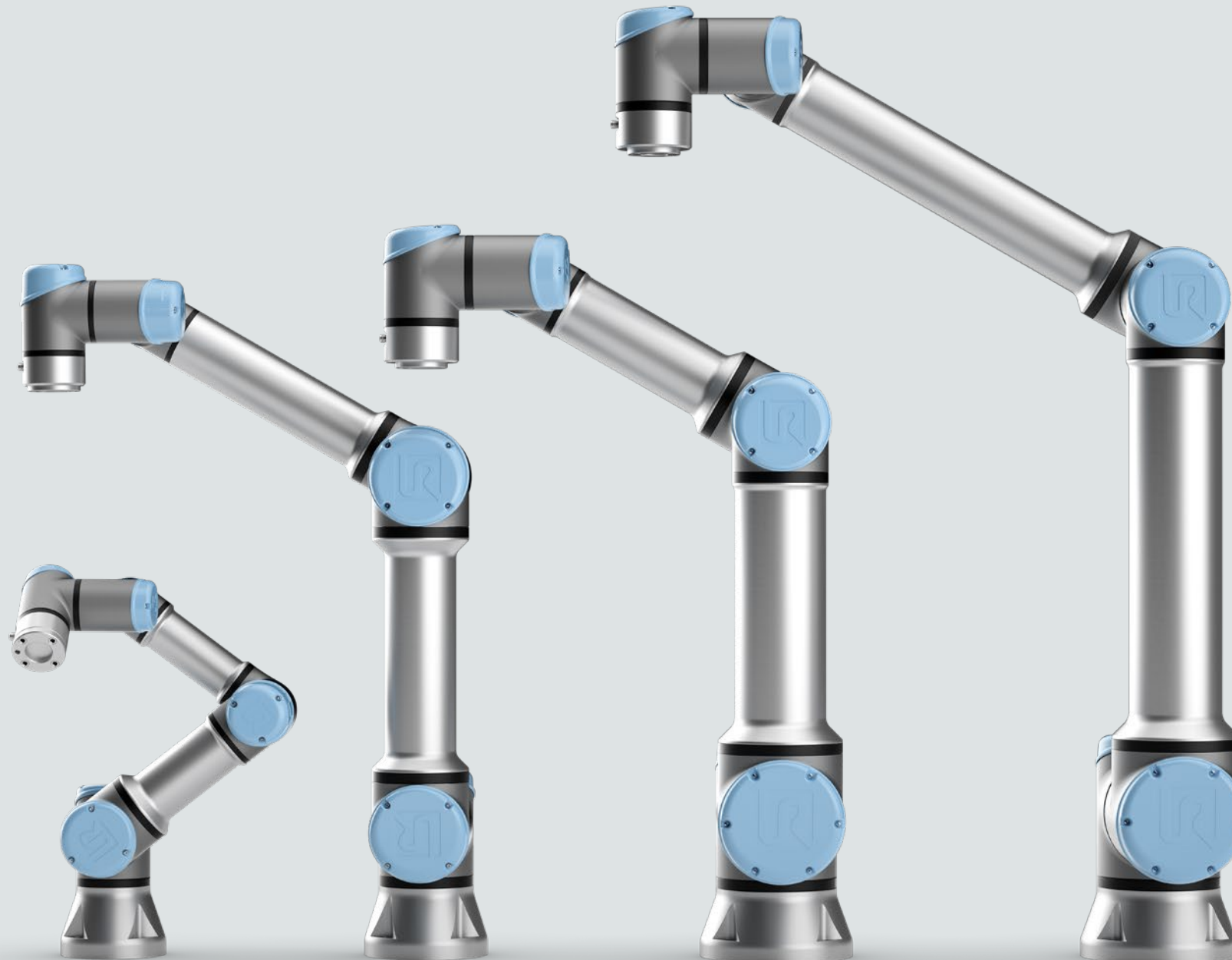
Universal Robots aims to empower change in the way work is done using its leading-edge robotics platform.

Since introducing the world's first commercially viable collaborative robot (cobot) in 2008, UR has developed a product portfolio including the UR3e, UR5e, UR10e, and UR16e, reflecting a range of reaches and payloads. Each model is supported by a wide range of end-effectors, software, accessories and application kits in the UR+ ecosystem. This allows the cobots to be used across a wide range of industries and means that they can be flexibly redeployed across diverse tasks.




The company, which is part of Teradyne Inc., is headquartered in Odense, Denmark and has offices in the USA, Germany, France, Spain, Italy, the Czech Republic, Romania, Russia, Turkey, China, India, Japan, South Korea and Mexico.

Universal Robots has installed over 50,000 cobots worldwide.

For more information, please visit [www.universal-robots.com](http://www.universal-robots.com)



Explore cobot solutions via a live or on-demand event.  
[events.universal-robots.com](http://events.universal-robots.com)

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