Welcome to the Winter issue of the RNA newsletter

news

ADVANCED AUTOMATION

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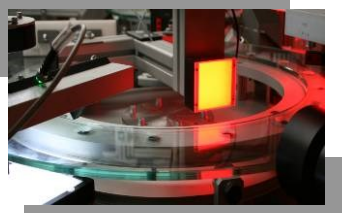

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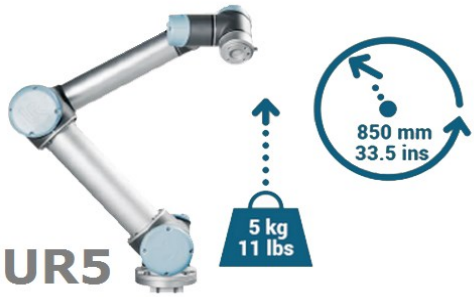
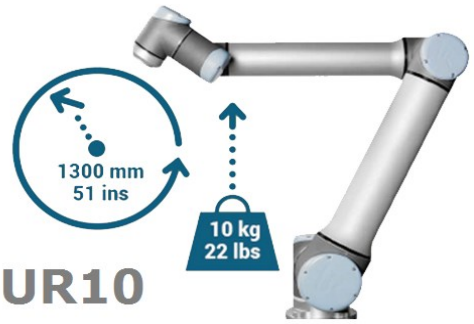
If you have friends or colleagues you think would like to receive a copy of e-News, subscribe their name and email address to us via rna@rnaautomation.com

Meet Universal Robots Simple, Flexible, Affordable





RNA is pleased to announce that we have entered into a strategic agreement with Universal Robots to become an authorised distributor of UR's collaborative robots in the UK.

Universal Robots, based in Odense Denmark, is an innovative industrial robots manufacturer, developing highly flexible, low-cost collaborative robot arms that can be used in almost any industry.

- *No programming language to learn*
- *Simple and user-friendly interface*
- *Easy to redeploy between jobs/tasks*

Easy to program and fast set up

Universal Robots' patented technology can be used by operators with no previous programming experience. The robot can be programmed by simply moving the robot arm to desired waypoints or touching the arrow keys on the easy-to-use touchscreen tablet.

Can work alongside operators with no safety guarding

80% of the thousands of Universal robots worldwide operate with no safety guarding (after risk assessment), right beside human operators. The robot is able to recognize a collision and safely stops before an injury occurs, adhering to current safety requirements on force and torque limitations.

Fastest Payback in the industry (195 days average payback period)

With an average payback period of only 195 days, Universal Robots offer the fastest return on investment in the industry.

Continues ►

RNA showcases the world's leading Collaborative Robot at Southern Manufacturing 2015

So called Collaborative Robots, which are designed to work alongside humans without fencing are opening up a huge number of new possibilities for robotic automation. RNA is exhibiting the ground breaking UR5 model from Universal Robots based in Denmark. Universal Robots' lightweight robot is 6-axis, weighing 18 kg and with a 5 kg payload arm. It has a speed rating of 1m per second and runs on single-phase AC power and has a typical pay back of 6 months. The UR10 variant is also available with double the payload.

With a footprint of only 149mm, the collaborative robot arm will demonstrate how humans and robots can work together safely. With no guarding needed there is less space requirement and the robots can easily be redeployed to a new task. Visitors to the stand N61 will have the chance to interact with a LIVE robot and experience the simplicity of programming.

Alongside the collaborative demo will be RNA's standard Glass Disc Vision Inspection System. Designed to inspect above and below a component, this flexible solution provides 100% quality assurance for a wide range of parts at speeds of up to 2,000 per minute.

How to order your RNA **spare parts**

- ► RNA online enquiry form
- ► Contact RNA spare parts sales department - **Chris Mills** on +44 (0)1217 492566 ext.131
- ► (For US customers) Contact RNA North America agent:

Palace Packaging Machines
Contact info: 610-873-7252
palace@unscramblers.com

RNA Events

SOUTHERN 15 Manufacturing & Electronics

12 -13 Feb 2014
Five, Farnborough UK
GU14 6XL @ **Stand N61**

We Welcome New Members!

RNA New Project Manager - RNA is pleased to welcome our new Project Manager **Stephen Pollard**, an engineering professional with over 25 years of experience in the automation field.

Stephen is responsible for the coordination of all technical activities on assigned projects, as well as the communication flow to the customer. He will be working closely with the RNA team to strengthen relationships with customers as well as with our key suppliers.

Stephen brings with him a wealth of relevant experience and is skilled in all phases of project management, from inception, through detailed design to manufacture and installation.

'The scope and volume of projects we handle is continuing to increase and Stephen's experience in project delivery is a perfect fit.' Said Mick Keane, Technical Director at RNA.

RNA New Business Development Manager - As RNA continues its expansion of the business in both new and existing markets, the company are pleased to welcome **Christian Marshall** as the new Business Development Manager.

In his new position, Christian will spearhead the drive to identify customers for the RNA's expanding range of automation solutions. He will have special responsibility for sales of the world's leading collaborative robot from **Universal Robot** of Denmark. RNA having signed an Agreement to distribute Universal Robot's collaborative robot in the UK last December.

Stuart Brettell, Managing Director commented, 'Christian brings to the team his sector specific experience and technical knowledge, which will enable us to expose our vision, robotic and handling solutions to a wider audience.'

(Continued)

80% of the thousands of UR robot installed worldwide operate beside human workers with **no safety guarding** (after initial risk assessment).

Lightweight, space-saving, and easy to re-deploy to multiple applications without changing your production layout

Moving the robot to new processes is fast and easy, giving you the agility to automate almost any manual task, including those with small batches or fast change-overs. The robot is able to re-use programs for recurrent tasks.

As an experienced robotic system integrator, RNA can offer a full consultative service and design a collaborative robot system to directly meet the customer's requirements. A full training and support package is available too.

Human and Robot, no more separation

The term collaborative robots refers to robots designed to work in direct interaction with humans within a defined collaborative workspace. Collaborative robots are creating a new kind of manufacturing workforce and opening the door to a greater human-robot co-habitation.

The emergence of collaborative robots on the manufacturing scene fulfils industry demands for flexible, reliable and safe automation; helping to replace operators in routine, dangerous, or repetitious tasks. The features of collaborative robots mean that more manufacturers can take advantage of the many opportunities that robot technology offers.

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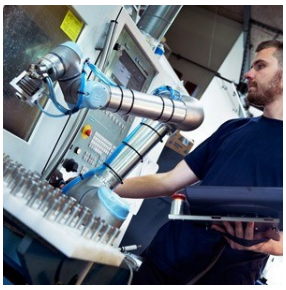

Industrial Robots	Collaborative Robots
Separate from humans; guarding or other additional safety devices needed	Work alongside human operators; usually no need for guarding
Applications: Precision and repeatability	**Applications: Flexibility and ease of use**
Expensive	Low cost of ownership
Expert programmer needed	Plug and play; easy to program
Integration needed	Fully integrated & Self contained
Faster, more powerful	Slower, less powerful

RNA New Linear Feeder SLA

RNA linear feeder is used to handle irregular supplies of component parts from upstream equipment, creating a buffer store and smooth flow for further processes. RNA's newly developed the SLA linear feeder has a much broader set of features that can serve you even much better.

- Easy tuning through simple spring adjustment
- Minimal transmission of vibration to machine frame
- No lateral vibration
- Interchangeable vibrating profile in proven design 'narrow' or 'wide'
- Stable transition of highly sensitive components
- Centralised adjustment of the spring angle without altering the magnet gap setting
- Adjustable holes which simplify the adjustment of the linear track junction for accurate positioning
- Firmly fixed to the base which enables stable running performance

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