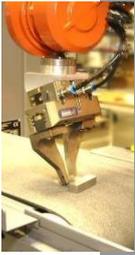


# news

ADVANCED AUTOMATION

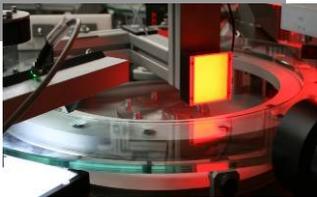
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address to us via [rna@rnaautomation.com](mailto:rna@rnaautomation.com)

## Sometimes **Size** Really Matters!

RNA can now offer the latest addition to the Universal Robots range, the UR 3 collaborative robot, a true power tool perfect for small-format precision tasks. With the UR3, Universal Robots adds an innovative, compact option to the UR collaborative robots family. The same collaborative safety and usability benefits pioneered in the UR5 and UR10 robots are now available for workbench and table-top settings. The compact UR3 offers an affordable "third-hand helper" that allows a single worker to accomplish what traditionally would be a two-person task. There is a whole host of options to use the UR3 as an automated power tool where lack of space is a challenge.

### 1 Small in size, not ability

Meet high-precision production needs with the UR3's payload of 3 kg (6.6 lbs) and reach of 500 mm (19.7 in). The UR3 uses the same technology as larger robots in the range - just in a smaller package which gives endless opportunities for using the robot in confined spaces. Weighing in at only 11 kg (24.3 lbs), the robot arm can be easily moved to new projects as needed.

### 2 Built with safety in mind

The UR3 is force sensitive and can be set to stop immediately when it encounters a force as low as 50 Newton. This allows the robot to be used without expensive safety guarding (after prior risk assessment).

### 3 Improve product quality

It requires superhuman abilities to dose exactly the same quantity of glue constantly. However, UR3 can maintain consistent pressure at all times. Ensure uniform quality, reduce production costs and optimize your operation.



### 4 Infinite rotation

Simply mount a bit holder on the end joint of the UR3 robot arm, which can rotate infinitely, and avoid adding expensive tooling in the assembly process. The robot picks up screws, mounts them, and tightens them applying the correct torque.

*If you have any questions or require further information, please contact Christian Marshall at 07795638389 or by email: [christianm@rnaautomation.com](mailto:christianm@rnaautomation.com)*

6 axis robot arm	UR3	UR5	UR10
Weight	11 kg / 24.3 lbs	18.4 kg / 40.6 lbs	28.9 kg / 63.7 lbs
Working radius	500 mm / 19.7 ins	850 mm / 33.5 ins	1300 mm / 51.2 ins
Payload	3 kg / 6.6 lbs	5 kg / 11 lbs	10 kg / 22 lbs
Footprint	118 mm / 4.6 ins	149 mm / 5.9 ins	190 mm / 7.5 ins
Repeatability	+/- 0.1 mm / +/- 0.0039 in		

## Keep the Noise **Down**

Noise in the workplace is becoming an increasingly important issue these days and it is hard to avoid the constant advertisements from

compensation lawyers seeking clients for hearing loss claims.

Vibratory feeders



have a reputation for being noisy, but at RNA our feeders include a number of features to mitigate against this problem.

Our drive units offer high performance, but with minimal referred vibration and so low noise levels; most of the time avoiding the need for costly and bulky enclosure, although there can be supplied for particularly noisy parts.

## How to order your RNA spare parts

- ▶ RNA online enquiry form
- ▶ Contact RNA spare parts sales department - **David Chumber** on +44 (0)1217 492566 ext.116
- ▶ (For US customers) Contact RNA North America agent:

*Palace Packaging Machines  
Contact info: 610-873-7252  
[palace@unscramblers.com](mailto:palace@unscramblers.com)*

Continues ▶

## We Welcome New Team Members!

Due to RNA's recent success and expansion programme we would like to welcome two new recruits to the team.

Aidan Dyde has joined as an electrical engineer and brings a wealth of experience in electrical engineering, electrical design and construction.

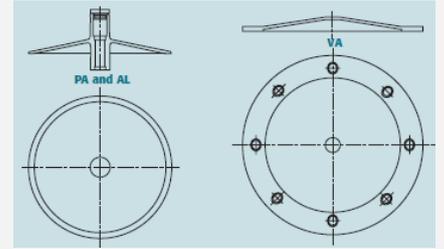
David Chumber has joined as an internal sales engineer. David is responsible for all standard equipment sales enquiries.

We wish both new members a fruitful and challenging future within RNA.

(Continued)

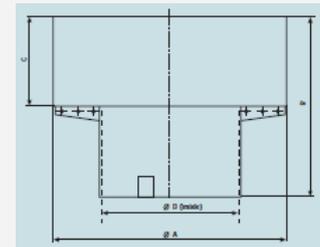
Our coating department can provide special finishes and acoustic coatings to reduce noise. Polyamide bowls and rotating centres can provide similar benefits.

The RNA range of drive units are also available in CSA/UL approved versions, we are the **only European manufacturer** to offer this as a standard option.



*RNA polyamide bowls have low friction and can be specially machined to customer's specifications and are easily reproduced. They also have a low noise level.*

*Rotating Centres (SRL) are used: 1. to relieve pressure on the bowl drive unit 2. to keep vibration of components to a minimum 3. to reduce noise level*



*Coating minimises wear and tear, reduces noise and damage to components. Coatings can be selected according to the application.*

*Sound Cover reduces noise and protects against dust and contamination.*

Where RNA really excel at is supplying its standard drive units as a tooled system, a typical system comprises of a vibratory bowl feeder and linear feeder combined with a mechanical part separation at the end of the linear system.

# Extremely Versatile: The New Patented **Catamaran** Linear Feeding System from RNA

## A revolutionary development - unique to the market

A multiple track system in a very confined space for high performance, careful handling of parts, a high sorting rate and simple recirculation of unsorted parts, are the excellent features of this new feeding system. Similar to a catamaran, up to 20 sorting tracks are actuated by two powerful linear drives mounted side by side in parallel.

With a very high feeding performance, only the sorting tracks are actuated but not any other components (e.g. metal tray). This results in a reduced noise level compared to conventional feeding systems. In addition, the system is variable in width and length.

## Quickly exchangeable for a multitude of components

When there is a size change of the components, only those sorting tracks that require the least time are changed without tools. Due to its exchangeable sorting tracks, as well as its flat and compact construction, the new Catamaran Feeding System can be used for a wide range of components. The compact construction results in low heights for falling components, resulting in the components being treated gently. Mountings and sorting tracks are repeatable and exchangeable, which is a big advantage for the customers, because they can sort different families of components with the same feeding system.

## Guaranteed highest feeding performance for a wide range of industries

The new feeding system can handle simple and complex components and also evaluate the tiniest of sorting characteristics. The system has a decoupled and variable recirculation that can be freely designed. Additionally, the sorting and recirculation can be done with different speeds, which has the advantage that fewer components are in circulation in the system.

Whether pharmaceutical or the electrical industry: the system can be used in any branch of industry.



The Catamaran Feeding System can be used as a simple robotic feeding system to separate and present components or for complex, multi-track feeding with high performance.

