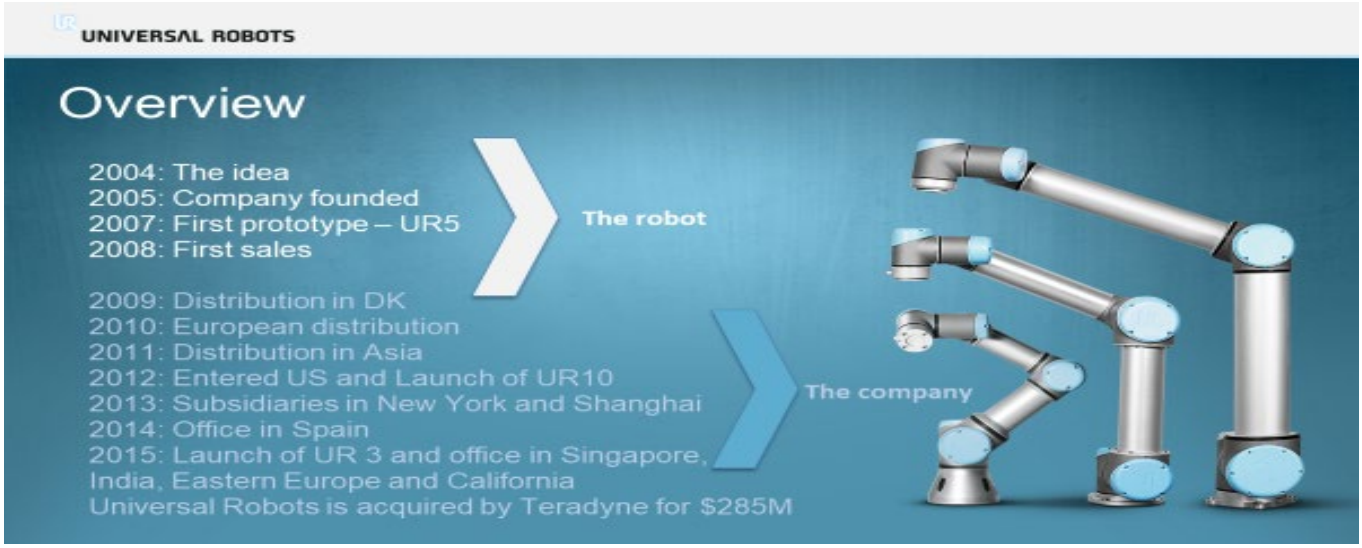
FLEXIBLE, END OF LINE PALLETISING SOLUTION



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FLEXIBLE, END OF LINE PALLETISING SOLUTION

PHOENIX-PAL 10 SERIES

Utilising the market leading UR10 from Universal Robots, this flexible solution gives manufacturing teams the ability to perform end of line palletising with more flexibility than ever before, reducing overall footprint and saving on expensive and rigid safety guarding in the process.

Built using standard components, we can handle up to 8 cases per minute and palletise on both EUR and UK standard pallets with a maximum build height of 1.9m and a maximum payload – 8Kg

Integrated safety rated laser scanners allow for safe working zones to be programmed in front of and behind the cell – each zone can be split into standard, slow or stop modes - giving the user the safety level desired.

Standard design includes the PR10 Vacuum head, with internal vacuum generator - no external vacuum or air supply needed. With the addition of a Force/Torque sensor on the end of the arm, any contact with the Vacuum head or payload will stop the system, ensuring safe and collaborative operation.

An additional 7th Axis allows for pallet build height up to 1.9m. (Optional upgrade is available for higher pallet formations)

KEY FEATURES:

- COLLABORATIVE – Based on the Universal Robot (UR10) Collaborative Robot
- SAFE – Integrated SICK laser scanners and force sensing technology to give full security around the cell
- LOW FOOTPRINT – Compact solution to handle EUR and UK pallets
- FLEXIBLE – Easy to program and redeploy, the robot can be placed anywhere within your factory and easily re positioned if required.
- SIMPLE – palletising programs will be built using Universal Robot Polyscope

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Technical Specification

Collaborative palletising solution incorporating the UR10 6-axis collaborative arm with configurable vacuum lifting array and laser scanning safety zoning capability

Weight	190Kg
Payload	Max payload of 8Kg
Max pallet height	Maximum height when 7th axis is fully extended is 1.9m
Programming	Universal Robot Poly scope GUI on 12” mounted touchscreen
Speed	Average pick rate of 1 pick per 7 seconds
IP classification	IP54
Noise level	<65dB

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Electrical Supply	240V AC
Safety	Up to 6m range using SICK Safety scanners. Force sensor sensitivity at End of Arm – Fxy ±1.7mm, Fz ±0.3mm
Vacuum	-0.05 to -0.810 inHg
Operating Temperature	0 – 50^{O}C
Max pallet locations	Can be used with up to 2 pallets – duty and standby configuration. Can be used with both EUR and UK STD pallet sizes

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