

PickBot

BIN PICK ROBOTIC SOLUTION with 3-D VISION



Technology to Improve Productivity

PickBot

BIN PICK ROBOT with 3-D VISION



Comprehensive Integrated Solution

PickBot is offered as a comprehensive integrated automation solution including: Universal Robot; Solomon AccuPick 3-D Vision Camera; Industrial PC with user-friendly touchscreen interface; Frame assembly with pre-wired controls; and System programming.

PickBot is ready to work on day one.

Specifications

Image Pixels	2.3M / 5.0M
Field of View	Min 7"x10"; Max 40"x 48"
Scanner Type	Structured LED Light
Picks per Min	20 per min (typical)
Payload	10 kg / 22 lb
Reach	1300 mm / 51.2 in

Accurate...Fast...Smart

Object recognition and location is established in 1 second; providing very fast cycle times. The PickBot can pick different objects placed together in a random orientation. Smart software includes 3-D dimensioning, quality detection, and robot motion path control.



Certified System Integrator

Chicago Electric is a Universal Robots Certified System Integrator and a select distributor for Solomon AccuPick 3-D vision technology. We are uniquely qualified to provide PickBot as a comprehensive 'Ready to Work' robotic solution.

Learn more at PICKBOT.CHICAGOELECTRIC.COM

PickBot features **AccuPick 3-D** vision technology from Solomon, a Certified Plus Partner.



Solomon AccuPick is a 3-D vision system that enables fast, intelligent and accurate 3-D picking for all types of applications, including random bin picking. Training the system to recognize complex-shaped objects is fast and easy using state-of-the-art deep learning technologies. The deep learning module also enables 3-D recognition of objects traditionally not possible using CAD matching method.

Applications

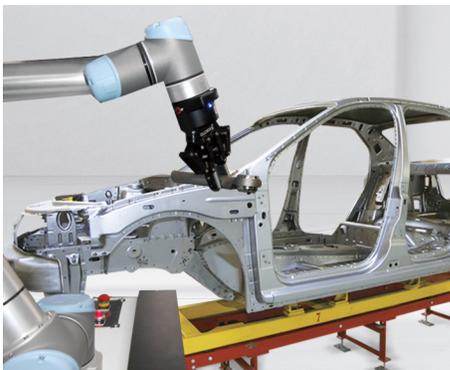
- 3-D pick-and-sort for food packaging or E-commerce
- Machine tending
- Palletization and depalletization
- Kitting and assembly



BIN PICK & SORT



E-COMMERCE HANDLING



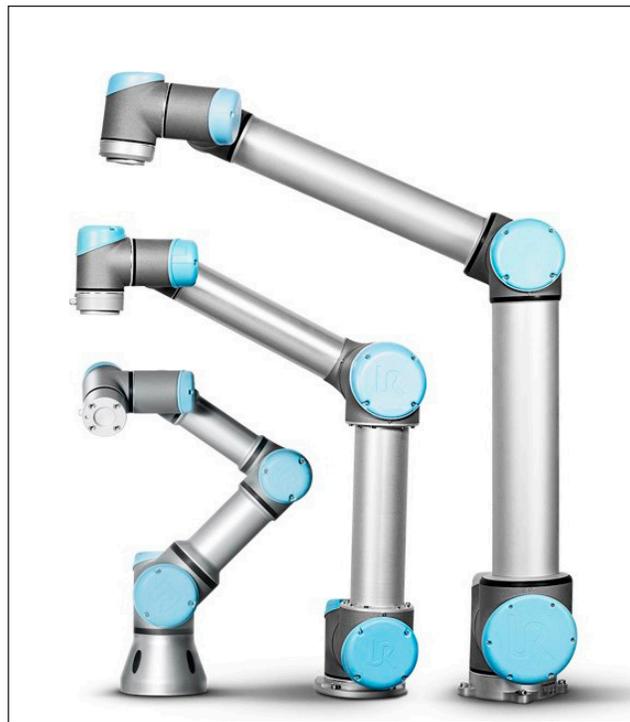
FIXTURE-FREE PROCESSING



RANDOM BIN PICKING

PickBot

- Available for all models of Universal Robots
- Pre-engineered standardized design for quick shipment
- Includes remote communication capability for programming support



	UR 3 ROBOT	UR 5 ROBOT	UR 10 ROBOT
Payload	3 kg / 6.6 lbs.	5 kg / 11 lbs.	10 kg / 22 lbs.
Reach	500 mm / 19.7 ins.	850 mm / 33.5 ins.	1300 mm / 51.2 ins.

CHICAGO ELECTRIC

—founded in 1910, is a leader in the application of technology for industry. Still family owned, we are proud of our long heritage of quality workmanship and outstanding customer service.

