BIN PICK ROBOT with 3-D VISION **PickBot**™

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: Robot; 3-D Vision Camera; Support Frame; Allen-Bradley PLC and HMI; Safety Light Curtain; Machine Guarding 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	15 per min (typical)
Standard Payload	5kg/10 lb
Maximum Payload	80kg/160 lb
Standard Reach	900mm/35 in
Maximum Reach	2236mm/88 in

Artificial Intelligence—The Power of PickBot

Deep learning with convolution neural networks, reduces training time and requires no 3D-CAD file for object recognition.

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 3D dimensioning, quality detection, and robot motion path control.

PickBot Available for Leading Robot Brands

The power of PickBot is available for Universal, ABB, Yaskawa/Motoman and other leading robot brands, providing a wide range of payload and reach capabilities.

UNIVERSAL ROBOTS

ABB

YASKAWA

UR-10

IRB-1200

MS-80

The PickBot from Chicago Electric features Solomon Random Bin Picking technology, providing an intelligent, user friendly and versatile solution that quickly automates three dimensional pick and place applications.

RANDOM BIN PICK & SORT

PALLETIZATION & DE-PALLETIZATION
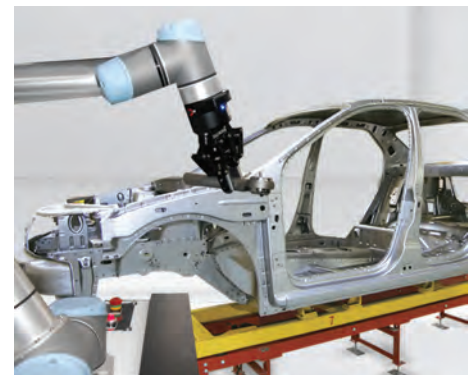

MACHINE TENDING

E-COMMERCE LOGISTICS

FOOD & BEVERAGE PACKAGING

FIXTURE-FREE PROCESSING

APPLICATIONS

The PickBot can be used in a wide variety of applications including assembly, packaging, and loading/unloading of random placed parts. PickBot has multi-object and color recognition capability. High resolution cameras provide an image area up to 40"x 48".
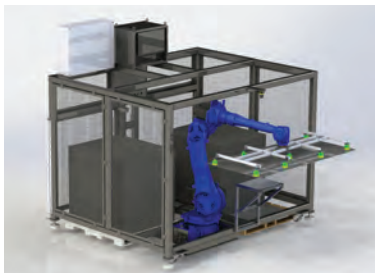
CHICAGO ELECTRIC

Chicago Electric offers a range of Robot Product Solutions for specific applications.
Our **Bot** Products are pre-engineered, comprehensive systems for robotic automation.

Pick**Bot**

Bin pick robot with 3-D vision

Place**Bot**

Sheet feed robot with precision vision guidance

Pack**Bot**

Pick and pack robot with vision guidance and conveyor tracking
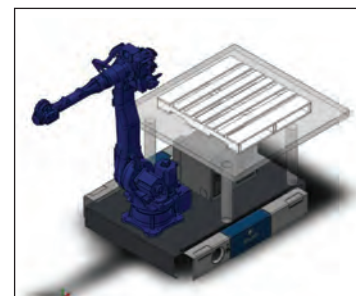
Food**Bot**

High speed pick and place robot for wash down applications

Pallet**Bot**

Palletizing and De-palletizing robot with enhanced vision

Go**Bot**

AGV enabled robot with vision guidance

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.

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04.30.20