

# PickBot

## BIN PICK ROBOT with 3-D VISION



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.

### 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 0.1 seconds; 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.

### Applications

The PickBot can be used in a wide variety of applications including assembly, packaging, and loading/unloading of random placed parts. High resolution vision of image areas to 31" x 47".

### PickBot Available for Leading Robot Brands

The power of PickBot is available for Universal, ABB, and Yaskawa/Motoman robots; providing a wide range of payload and reach options.

### SPECIFICATIONS

Image Pixels — 2.3M / 5.0M  
 Field of View — Min 7"x10"; Max 31"x47"  
 Process Time — 0.1 – 0.2 seconds  
 Scanner Type — Structured LED Light

### FEATURES

3D Measurement  
 Quality Detection  
 Multi Object Recognition  
 Robot Vision Guidance  
 Pick and Place Optimization  
 Path Planning Optimization