

# 3D BIN PICKING SYSTEM/ COLLABORATIVE ROBOT

Automate the repetitive task of removing parts from a bin to feed forging processes, or load CNC machines. The collaborative robot safely works within the same space as human operators and removes the need for extensive robot guarding and addresses the need for an automation solution for parts up to 75 pounds.



Collaborative Robot CR-35iA

## FEATURES

The FANUC CR-35iA Robot is a 35kg payload collaborative robot that can work without safety fences.

### Collaborative Operation

- Operates in close proximity to humans in a shared workspace without safety fences.
- Works in cooperation with human operator.

### Safety Function

- Stops safely when it comes in contact with a human operator.
- Safe and gentle green cover reduces impact forces and pinch points by providing a safe barrier between the human operator and the robot arm.
- Certified to meet the requirements of international standard ISO 10218-1.



3D Area Sensor

## FEATURES

- Acquires detailed 3D point cloud in one snap using stereo vision with visible, structured light.
- iRVision features full suite of vision tools for 3D data analysis.
- 3D vision tools can be combined with iRVision's existing and powerful 2D tools using either camera.
- Bin picking software suite features Interference Avoidance and Part List Manager.
- P65 rating for projector unit and cameras.
- Up to four (4) 3DAS systems can be connected to a single controller.
- The sensor, like 2D iRVision, is fully integrated into the controller.



1175 E North Territorial Rd.  
Whitmore Lake, MI 48189  
Sales@RoboticGuidance.com  
(734) 834-2176

