



# Vision Systems

**TEC Automation is a world-class supplier of robotic automation solutions.**

We provide proof of concept, simulation, mechanical and electrical engineering, programming, assembly, run off, factory acceptance, training, installation and post installation service and support.

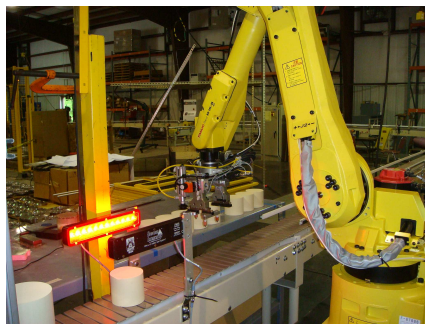
**VISION SYSTEMS**  
TEC delivers complete turnkey systems  
Part recognition, part location and part feature verification



Part Location and Size for Dispensing  
Two Camera Cognex Vision



Part Location for Picking  
Machine Load/Unload Cell, Cognex Vision



Part Location for Picking  
Material Handling Cells, FANUC Vision



Part Location for Determining Dispensing Path  
Dispensing Cell, Cognex Vision

## -----Industries Served-----

<b>Machine Tools</b> <b>Glass</b> <b>Plastics</b> <b>Building Products</b>	<b>Aluminum Foundry</b> <b>Metals</b> <b>Health and Beauty</b> <b>Food and Beverage</b>	<b>Ductile Iron Foundry</b> <b>Paper</b> <b>Office Furniture</b> <b>Automotive Tier 1, 2...n</b>
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## -----TEC Products for Vision Projects-----

- ✚ **Robots, controllers and robotic cells**
- ✚ **Gantry and overhead rail robots**
- ✚ **End-of-arm tools** - for machined parts, castings, sheet metal and plate stock, tubes, glass sheets, bags, drums, cartons, pallets, fiberglass panels, engine heads and blocks, crankcases, ceramic components, plastic parts, appliance parts and others
- ✚ **Part presentation systems** – mechanical and machine vision-based feeder systems
- ✚ **Vision systems and lasers** for part location, feature checking and robotic guidance; lighting, testing, programming and system development – Banner, Cognex and FANUC Vision, NACHI NV Vision
- ✚ **Data collection systems** and human-machine interface systems

## -----Sample Parts - TEC Vision-----



Examples include: Steel and aluminum machined parts, ceramic parts, plastic parts, window and door frames, rubber parts, boxes and cartons and detection of bead materials

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