

TrueView Vision Guidance



TrueView™
VISION GUIDED ROBOTIC SYSTEMS
Fully Engineered. Proven.

PROVIDING SOLUTIONS, CHANGING INDUSTRY

ABB

evf
Vision Guidance Software by BrainTech

- **TrueView and Robots**
 - Totally integrated function package
 - VGR – new market is doubling year after year
 - A proven solution

The heart
of Robotics



ABB

Robot Vision Guidance

TrueView Vision System

Patented Single Camera 3D

Description: Robot Guidance Vision System

Customer Object: Rigid Parts

Proven Applications:

Cylinder Heads, Engine Blocks, Intake Manifolds,
Aluminum Castings, Fuel Tanks, Transmission Cases
Empty Dunnage, Axle Knuckles, Truck Frames

Process Description:

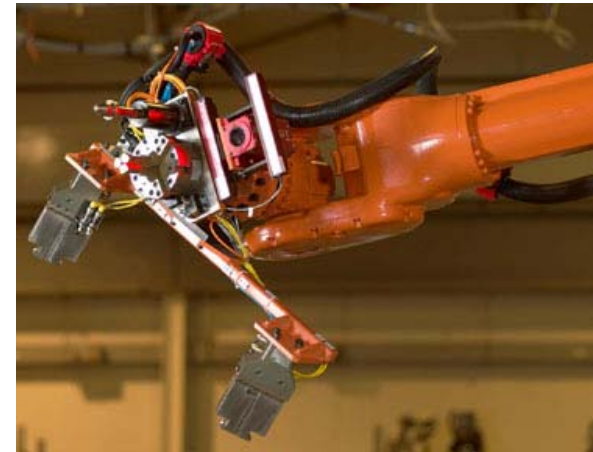
A single camera is integrated into the robot end of arm tool. Specialized lighting is provided to illuminate the scene of interest. The robot positions the camera above dunnage containing parts. The vision guidance system captures a single image and performs an analysis. The end result is a complete 3D position (x y z and rotation).

The 3D position data is transferred to the robot controller via ethernet. The robot controller uses this information to adjust the robot path to match the location and orientation of the part.

The **heart**
of Robotics



2003 Henry Ford Technology Award



End Of Arm Tool with Single Camera

