

MOTOMAN NEWS RELEASE

FOR IMMEDIATE RELEASE
JUNE 2007

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NEW! MOTOSIGHT 3D VISION-GUIDED ROBOT SOLUTIONS; IDEAL FOR BIN-PICKING APPLICATIONS



Dayton, Ohio — Motoman robots have the capability to perform the most complex vision-guided applications, including bin-picking, despite confusing backgrounds and/or parts that are randomly located in bins. This application of vision-guided bin-picking technology provides significant cost savings to manufacturers by eliminating the need for custom dunnage trays or locating devices to repeatably position parts – as previously required for robotic applications.

Motoman's new MotoSight 3D integrates the most powerful vision products available. By partnering with world-leading vision product providers, Motoman leverages the unrivaled expertise and experience of these companies along with our industry-leading robot performance, to provide unmatched vision-based application solutions.

The Motoman robot uses the vision system to access part position information using either serial or DeviceNet interfaces. The vision software supports true 3D (X, Y, Z, yaw, pitch, roll) with one, two or three cameras – without the use of range sensors or lasers. The single camera option requires a robot-mounted camera and multiple inspections. With the multiple camera option, the cameras can be mounted on the robot or at a fixed location. This allows greater flexibility and can accommodate irregular part shapes. This technology makes complex bin-picking applications with confusing backgrounds possible. The customizable HMI allows the user to change system parameters, calibrate the system and see real-time inspection results.

The MotoSight 3D vision package features an intuitive, easy-to-use operator interface and also offers customizable menus. It supports fixed-mounted or arm-mounted off-the-shelf cameras. The software supports multiple coordinate systems and provides statistical production data. MotoSight 2D vision is also available to provide integrated vision solutions for applications that only require two-dimensional part recognition.

For more information on Motoman products and services, visit the corporate web site at www.motoman.com, call 937.847.6200 or write to Motoman Inc., 805 Liberty Lane, West Carrollton, Ohio, USA 45449.

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