MOTOMAN NEWS RELEASE

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CONTACT: Sally Fairchild
937.847.3202

MOTOMAN OFFERS 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. 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 3D machine vision guidance product combines industry-leading robot performance with industry-leading, high performance vision products: the powerful and highly flexible RELIABOT® 3D vision package from Shafi Inc. and the In-Sight®, CheckPoint®, or MVS-8100 ™ series products from Cognex. The Motoman robot controls the vision system and access to part positional information using either serial or Devicenet interfaces.

RELIABOT 3D™ 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.

Features:

The Motoman 3D vision package features an intuitive, easy-to-use operator interface and also offers customizable menus. It is compatible with Cognex In-Sight, CheckPoint and MVS-8100 series vision systems. The software supports fixed-mounted or arm-mounted off-the-shelf cameras. It features automatic, self-sensing arm-mounted camera calibration capability and wizard-guided, fixed-mounted camera calibration capability. The 3D vision software supports multiple coordinate systems and provides statistical production data support.

Requirements:

The software requires an IBM-compatible PC running Windows® 2000 or XP with: Intel® Pentium® 4 Processor with at least 256K RAM; a 10G hard disk drive; two available PCI slots; and available serial, parallel, Ethernet, and USB ports.

For more information on Motoman products and services, visit the corporate website 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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