

ABB introduces new vision-guided robotics technology

ABB vision system delivers greater reliability for vision guided application of robots at 25 percent of the traditional set up time.

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- **Seamless integration:** Works with PC-based ABB RobotStudio to provide a platform for creating vision tasks quickly and easily
- **Easy to program:** Operators can automatically select features, set parameters and operate under real world conditions
- **Flexible technology:** Offers greater processing power, high resolution, industry-leading vision tools, connectivity and operator interface
- **Quick installation:** Plug-and-produce integration between PC-based and controller-based software

ABB Integrated Vision is a powerful smart camera system that makes vision-guided robotics applications faster and easier to deploy than ever before. Using 2D vision guidance, manufacturers have the ability to: track products more accurately, improve supply chain management, improve quality, troubleshoot challenging lines and processes and significantly expand their use of robotic automation. Taken together, the advantages of vision-guided robotics can significantly improve a company's bottom line, saving time, money, and resources.

"Besides improving quality and flexibility, ABB Integrated Vision optimizes production quality, and maximizes inspection and control by giving robots the power to see," said ABB Product Manager Klas Bengtsson.

"Companies that effectively utilize vision-guided robotic systems can increase throughput and lower production costs, improve product quality and reduce rework and waste."

ABB Integrated Vision, powered by Cognex[®], features sophisticated imaging technologies such as Cognex's patented PatMax[®] algorithm for advanced part location. The result is robust inspection, defect detection, guidance, alignment and measurement which are necessary to ensure manufactured products meet the highest standards.

All this power is only useful if it is easy to setup, deploy and maintain. RobotStudio[®], ABB's powerfully simple PC-based programming tool now provides the platform for creating vision tasks quickly and easily. Operators can select features, set parameters and operate under real world conditions from a library of common vision applications. The smart camera offers the widest range of built-in communication protocols that interface directly with the robot, getting a robot up and running in the virtual world is simplicity itself.

"Both the advanced and first-time vision user will find ABB's Integrated Vision's applications easy-to-use," said Bengtsson. "Operators simply plug the camera into the robot controller and they are ready to go."

All ABB Robotics' products are fully supported by the ABB Robotics' global sales and service organization in 53 countries and over 100 locations.

Visit www.abb.com/robotics for further information.

Press Release



Further information for editors

ABB (www.abb.com) is a leader in power and automation technologies that enable utility and industry customers to improve their performance while lowering environmental impact. The ABB Group of companies operates in around 100 countries and employs about 145,000 people.

ABB Robotics is a leading supplier of industrial robots - also providing robot software, peripheral equipment, modular manufacturing cells and service for tasks such as welding, handling, assembly, painting and finishing, picking, packing, palletizing and machine tending. Key markets include automotive, plastics, metal fabrication, foundry, electronics, machine tools, pharmaceutical and food and beverage industries. A strong solutions focus helps manufacturers improve productivity, product quality and worker safety. ABB has installed more than 200,000 robots worldwide.

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