

Press Release

Smart Camera Controls Robot Directly

Würselen/Germany, January 05th, 2009: FiberVision's RoboPlot demonstrates the possibility to control a robot with just a Smart Camera – No PLC is required!

FiberVision's RoboPlot is a demonstration system which was shown on the Vision trade fair in Stuttgart, Germany in November 2008 for the first time. A Vision Components Smart Camera takes portraits of the show visitors. The camera creates outlines of the portraits using common machine vision edge detection algorithms. The result is shown on a video display and can be altered interactively by using a keypad. The camera determines the co-ordinates which have to be targeted by a Mitsubishi robot so that it will draw the outline onto a piece of paper. The FiberVision software on the camera controls the robot directly. Neither PCs nor PLCs are used in the RoboPlot application.

FiberVision shows with this demonstration system the easy integration of compact smart camera systems into robot based automation solutions as they are needed in pick-and-place applications.

Images

200811E1350.jpg, 5D_MG_0788.jpg:

A Smart Camera based vision system controls the robot directly.

About FiberVision

FiberVision GmbH was founded in 1995 as a spin-off of RWTH Aachen University. First products were fiber optical sensors and vision systems for color measurements.

Today, the engineers and scientists from FiberVision develop and build optical measurement, positioning and inspection systems for industrial use. The essential feature of FiberVision systems and products is: The easy access to complex technologies by providing user interfaces for intuitive use.

To mention a few FiberVision products:

- Caminax: A smart camera which integrates a complete machine vision system into an extremely compact housing.
- LED-Check: A vision system for color control of light emitting diodes.
- 3D-Check: An inspection system for the glue application in the automotive industry.

FiberVision has well-known customers such as: Continental, Ford, Hella, Paul Hartmann, Philips and Saint-Gobain Sekurit.

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