Banner Engineering's iVu Plus TG Sort Tool

A simple and inexpensive, yet powerful tool.

iVu Plus TG

Banner Engineering's iVu series brings the simplicity of a photoelectric sensor and the intelligence of a vision sensor together to provide inspection solutions that can be applied and supported on the factory floor. The iVu Plus TG sensor includes four Sensor Types: Area Sensor, Blemish Sensor, Match Sensor and the Sort Sensor. For this example, the Sort Sensor is used.

Sort Sensor (one tool)

The Sort Sensor recognizes and sorts up to 10 different reference patterns within the same inspection. Each pattern (alphanumeric characters, logos, or other shapes) is taught during setup and stored in 1 of 10 pattern memory locations. Pass criteria is set for any or all patterns. The results are sent to other devices via Ethernet (multiple protocols), Serial, or in this case, an I/O assigned on a Horner APG Controller.
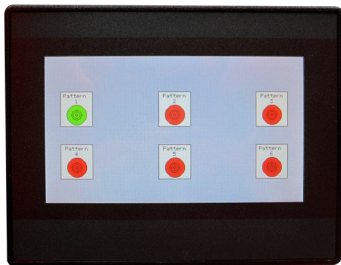
Products Used

• iVu Plus TG Sort Tool
• Horner X5 Controller

Example Applications Include:

• Identifying and sorting parts on a production line
• Ensuring that several different parts are present in a package
• Date / lot code verification

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