APP1030

Barcode reading, spools and yarn color measurement

✓ Texile
✓ Code recognition
✓ Color measurement

Complexity

①②③④⑤

TECHNICAL FEATURES

○ *Small-size IP65 color camera with integrated illuminator, remote control system*
○ *Color measure in Lab, RGB or YUV color spaces*
○ *Various barcode formats reading (linear and 2D)*
○ *System configuration via touch-screen*

1 CUSTOMER NEEDS

The customer needs to compare the color code (identified by the barcode applied on the spool) and the yarn's color, preventing errors in the next production stages.

• Barcode/yarn color congruity

2 SOLUTION

EOPTIS developed a single-camera system that identifies the yarn color and looking-up the customer database, verifies the congruity with the attached barcode. The system directly controls a stop signal for the automation system.

• Color identification and barcode congruity verification

3 BENEFITS ACHIEVED

The implemented solution reduced the production error ratio and incremented the system productivity, with an investment return after the first year of use.

• Reduced deficiency ratio
• Increased productivity

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