

Using the Model 1000 for a Textile Material Controller

Eason Products Used:

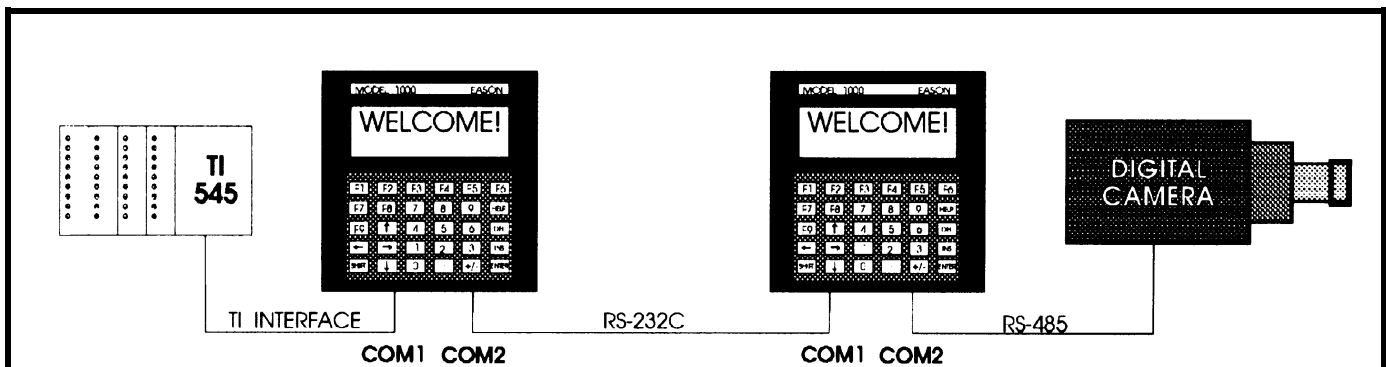
- 1000-M02-TI5

Application Background:

The customer has selected a TI-545 PLC with a built in 386 card to control the color and style of material in a machine that produces rolls of fabric for clothing. He needs an Operator Interface that communicates to the TI545 and a digital camera via RS-485.

Machine Objectives & Motion Requirements:

- To have two identical OI's on each end of the machine for changing colors and styles.
- To get direct access to the TI545's registers through the programming port.
- To have flexible communication protocols to interface with the digital camera.
- To have the ability to pass data from OI to OI.



Eason Solution:

One Model 1000 is located at one end of the machine directly connected to the PLC through its programming port. The other Model 1000 is located at the other end of the machine directly connected to the digital camera via RS-485. Both Model 1000's are connected to each other via RS-232C. The main screen on the Model 1000's will show the current style running (6 codes at a time). The operator, from either Model 1000, will be able to change or add/delete the "Next Style" line to change the next six styles to be run. This information would go back to the PLC, put into the

Eason Solution Cont.:

appropriate registers, and sent back out to both Model 1000's screens to move the "Next Style" line up to "Running Style" line. The six styles work nicely with the six function keys on the Model 1000. Other screens are available to adjust speed, temperature, diagnostics, etc. Data is passed from any device in the chain to any other device at the appropriate time by the program running in the Model 1000s.

Eason Benefit:

Eason Technology gave them the ability to communicate to multiple intelligent devices using a variety of protocols.

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