

VISUAL INSPECTION AND OTHER QA VIs

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Parallel Session 6 06/01/00

1. Introduction

2. Front Panels

IU BridgeVIEW Work

At IU 6 QA BridgeVIEW programs have been or will be written:

- 1. Visual Inspection**
- 2. Automatic Gluing Machine**
- 3. Resistance Measurement**
- 4. Tension Measurement**
- 5. Shell Profile (Cross Sectional) Shape**
- 6. Image Capture for Alignment Measurement (to be written).**

Each program used either National Instruments PCI cards (DAQ, Motion Control, IMAQ) or just the serial interface. In all cases the measurement or assembly hardware was custom fabricated out of commercially available components with some precision pieces that Craig machined in the IU shop.

I attempted to make a simple and consistent interface across all of the programs to ease the training of the technicians. They seem to like it since they keep asking me to put more processes into the interface that I developed.