Coordinate Metrology Society
Coordinate Metrology Systems Conference 2003
Greenville, South Carolina | July 21-25, 2003

CMS-2003-001

Big Button Model Based Assembly

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Published by the Coordinate Metrology Society. Reference number CMS-2003-001.
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Big Button Model Based Assembly

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Production efficiency requirements are driving processes to implement Simple "Big Button" Model Based Assembly for aircraft production. Development of scripted assembly/measurement plans enable once complex processes to be automated such that operators may not even know they are using advanced metrology systems. Tight tolerances defined by engineering requirements are achievable and consistently evaluated by integrating them into the measurement plan. The shop floor feedback is simplified into either 'Red' or 'Green' signals. Process traceability is maintained by archiving all of the basic measurement components for process capability studies and other SPC activities. Augmenting the efforts with the latest mobile computing resources (e.g., tablet PC's, wireless networking) are enabling operators to work and visualize the feedback while on the workpiece.

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