



INTELLIGENT MANUFACTURING FOR AEROSPACE INDUSTRY



Samay Global' s Discrete Manufacturing Solution provides intelligent plant and shop floor solutions to address the requirements of AS9100 and AS9102 while being a real time decision making tool and focusing on end to end viability of the manufacturing process in a secure environment.

INTELLIGENT PRODUCT MONITORING

PART WISE PROCESS TRACEABILITY ON PRODUCTION LINE—AS9102A FAI



Justify

Real time data acquisition from material scanners and computer output provide the justification for material analysis

Identify

Traceability with reliable identification of the part under processing using QR codes, Bar codes, RFID tags

Measure

Record measurement or inspection/verification of part for every design characteristic on the drawing, including the drawing notes

Steps involved in Operationalizing the Solution

- * Identify and record problem statement by customer
- * Pilot project covering typical machine types like milling machine, lathes and coordinate measuring machine.
- * Data connectivity to push and pull data to and from machines
- * Data connectivity to CAD, CAM, PLM, ERP and MES systems
- * Data connectivity to cloud with remote management and relevant security
- * Product data management for a given part
- * Material and input data management
- * Data management and control of Assembly tools
- * Data management and control of Test Rigs
- * Production Line configuration for each product or variant.

Benefits

- * View of both macro eco-system as well as micro level for each product, process and variants
- * Measure utilization factors and yield
- * Identify and target specific production problems
- * Defects do not hold up production line
- * Audit trail for every single unit
- * Dynamic correlation between sales order and unit level production system



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