

COMPOSITE BLADE PRODUCTION & QUALITY CONTROL

ENERGY, PROCESS & UTILITIES

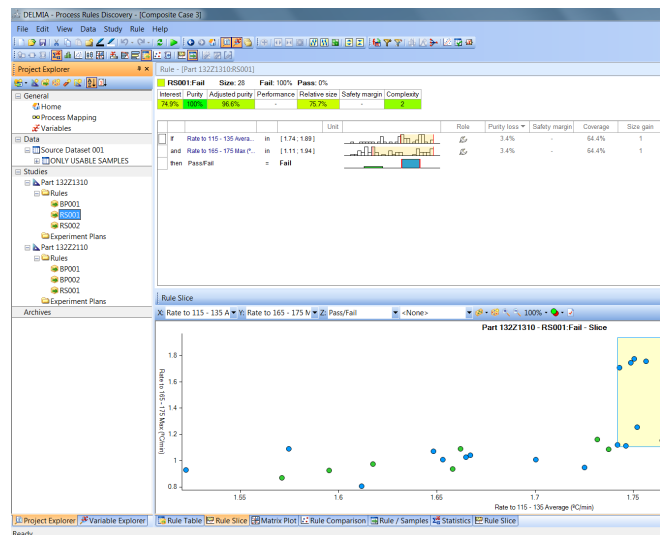


Understand and Prevent Manufacturing Defects

DELMIA's Composite Blade Production and Quality Control solution for the Energy, Process & Utilities Industry can establish process monitoring and provide real-time adjustments to changing conditions.

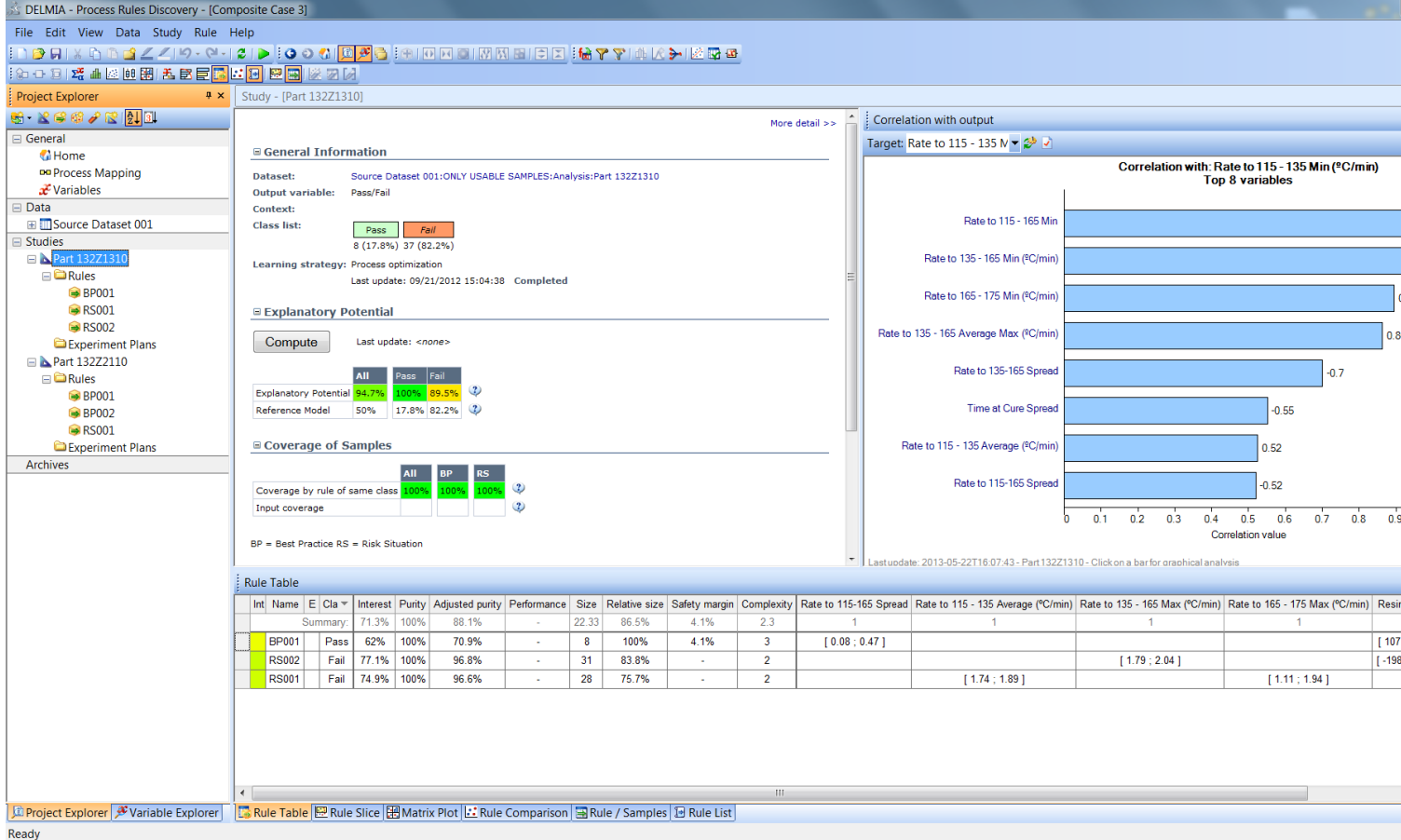
DELMIA's Energy, Process & Utilities Composite Blade Production and Quality Control solution facilitates corrective and preventive action on composite blade production quality issues. Easily collecting shop floor data in real-time, the solution quickly identifies root causes of failure. The value is driven from the analysis of historical shop floor data and discovery of rules validated by experts.

DELMIA's Energy, Process & Utilities Composite Blade Production and Quality Control solution is a data-driven, rule-based continuous process improvement methodology for wind blade manufacturing. Taking into account the quantified influence of process variables, the solution can provide advanced warning of potential problems, allowing manufacturers to adjust their processes in real-time.



Understand quantified influence of process variables.





Analyze shop floor data to discover hidden root causes.

INDUSTRY CHALLENGES

- How to understand and prevent composite blade manufacturing defects?
- How to capture manufacturing knowledge and reduce cycle time?
- How to establish process monitoring and improvements?
- How to solve unexplained voids, wrinkles, delamination and other defects?

SOLUTION HIGHLIGHTS

- Easily collect shop floor data in real-time
- Quickly identify root causes of failure
- Edit and establish rules with experts
- Understand quantified influence of process variables
- Obtain advance warning of potential problems
- Real-time adjustment of process to changing conditions
- Monitor rule compliance and receive notification when new rules are needed

SOLUTION VALUES

- Unique real-time detection and avoidance of quality risks based on analysis of historical shop floor data
- Discovery of rules validated by experts
- Understand and prevent manufacturing defects
- Capture manufacturing knowledge and reduce cycle time
- Establish process monitoring and improvements

USERS

- Quality Engineers



Delivering Best-in-Class Products



Virtual Products



Model and Simulate our Planet



3D Design



Information Intelligence



Realistic Simulation



Dashboard Intelligence



Digital Manufacturing and Production



Social Innovation



Collaborative Innovation



3D Communication

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