Advanced services – performance improvement
Stressometer measurement roll health check

Reduce roll failure downtime risks and enhance flatness control system performance

Measurement made easy

Overview
Measurement roll performance evaluation to identify and provide recommendations to enhance and improve roll performance. Stressometer roll health check is a detailed and comprehensive inspection and status evaluation of a Stressometer measurement roll. It is a key service to ensure and verify the actual roll measurement accuracy to avoid future interruptions in the production.

All findings will be documented in a Stressometer measurement roll health check report and the recommendations can be used to enhance measurement accuracy, mill performance and yield.

Features
- Primary winding resistance test
- Secondary winding resistance test
- Primary winding insulation test
- Secondary winding insulation test
- Carrier wave test
- Roll calibration verification for system version 6.0 and later
- Drive shaft run-out test
- STU/DTU run-out test
- Inspection of roll surface
- Inspection of bearings and bearing lubrication

Benefits
- Secures best possible long-term performance and reliability of the measurement roll
- Increases flatness control system performance, availability, reliability and production yield
- Minimizes risk of roll failures
- Reduces mill maintenance costs
Service duration

Insulation test and calibration: Typical 2 days on-site to inspect roll condition, evaluate and give recommendations if further actions are needed.

Additional time for travel, preparation, analysis and reporting is needed.

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Fig. 1: Stressometer measurement roll

Fig. 2: ABB service technicians performing a Stressometer measurement roll health check