

Dynamic performance verification for Detmaster MPH system

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The concept of dynamic performance verification

1. Dynamic performance verification procedures with the dedicated verification tools enable measurement systems to be verified in conditions, which simulate the actual production line speeds.
2. Performance verification is carried out with the certified pinhole and hole samples.
3. Measurement results between different production lines are comparable enabling production optimisation at a mill site and even between different mills in a group.



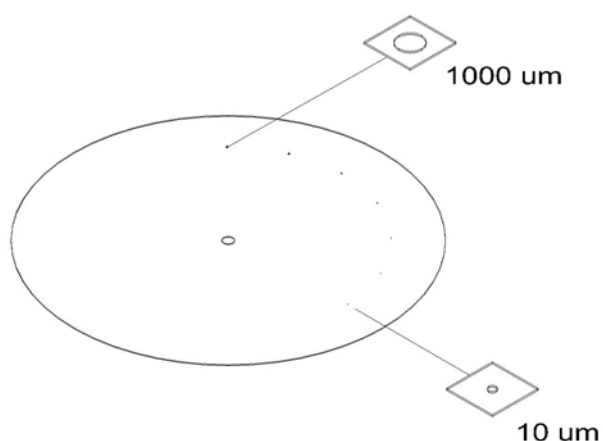
- A) Electronic modulation principle, which excludes requirement for an ambient light shielding of the measurement system, enables
- Open system architecture
 - Roll-out system availability
 - Dynamic performance verification procedure during production



- B) Dynamic performance verification
- rotating disc including actual pinhole and hole samples
 - sample measures are certified
 - manual / automatic disc positioning
 - rotation speed control
 - Enables actual production line speed simulation

The Detmaster MPH system performance verification takes place by the production line utilising the roll-out system and it doesn't interfere the ongoing processing of the strip on a production line.

Rotating verification disc including certified pinhole samples



Dynamic pinhole and hole verification

- disc including 10 μm ...1000 μm pinhole and hole samples, which dimensions are measured and certified
- motor controlled rotating of the disc with maximum line speed
- signal peak detection & verification



Box for rotating verification disc including pinhole and hole samples.