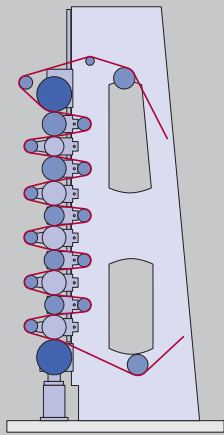


Gripping device in supercalender movable platforms for safety-compliant operation of the movable platforms



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Basis

Without flawlessly functioning movable platforms, the operation of a Supercalender is not possible. The function of the gripping device is an essential part in the operation. If a component fails, this device prevents the cage from falling and is a fundamental safety component in the operation of the system.

In older calenders, a gripping device was used, **for which replacement parts are no longer available.**

Carrying out assay and function test is no longer possible on the gripping device, as this leads to damage of components.

If damage is detected during regular inspection, rectification is no longer possible.

The consequence can be shut down of the movable platform and thus of the Calender.

Our solution

Retro-fitting the gripping device system solves the problem in question:

- The gripping device on the movable platform is replaced by a modern system.
- An innovative retro-fit package allows refurbishment in a very short time, in doing so the cage does not require dis-assembly.
- Maintenance-intensive rods for break monitoring of the chain are eliminated.
- Voith certify adherence to the applicable safety regulations through installing this retro-fit, by a compliancy declaration of the EU machine directive and the EU type examination certificates.

Advantages

- Safety-compliant operation of the supercalender movable platforms
- No compromise of operational safety
- Refurbishment work carried out within planned maintenance shuts possible
- All critical components of fall protection no longer required
- Assured procurement of replacement parts and service possibilities
- Compliance certificate for the retro-fit with the applicable safety regulations

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Fig. 1: *Scheme Supercalender*
Fig. 2: *Movable platform at the supercalender*
Fig. 3: *Supercalender*



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The Refurbishment package

Refurbishment of the inner and outer movable platform of the Supercalender essentially consists of

- New gripping devices including consoles and brackets
- Two new speed limiters including rope and return pulleys
- Innovative synchronization system of the two gripping devices without elaborate displacement of the existing synchronizing shaft

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