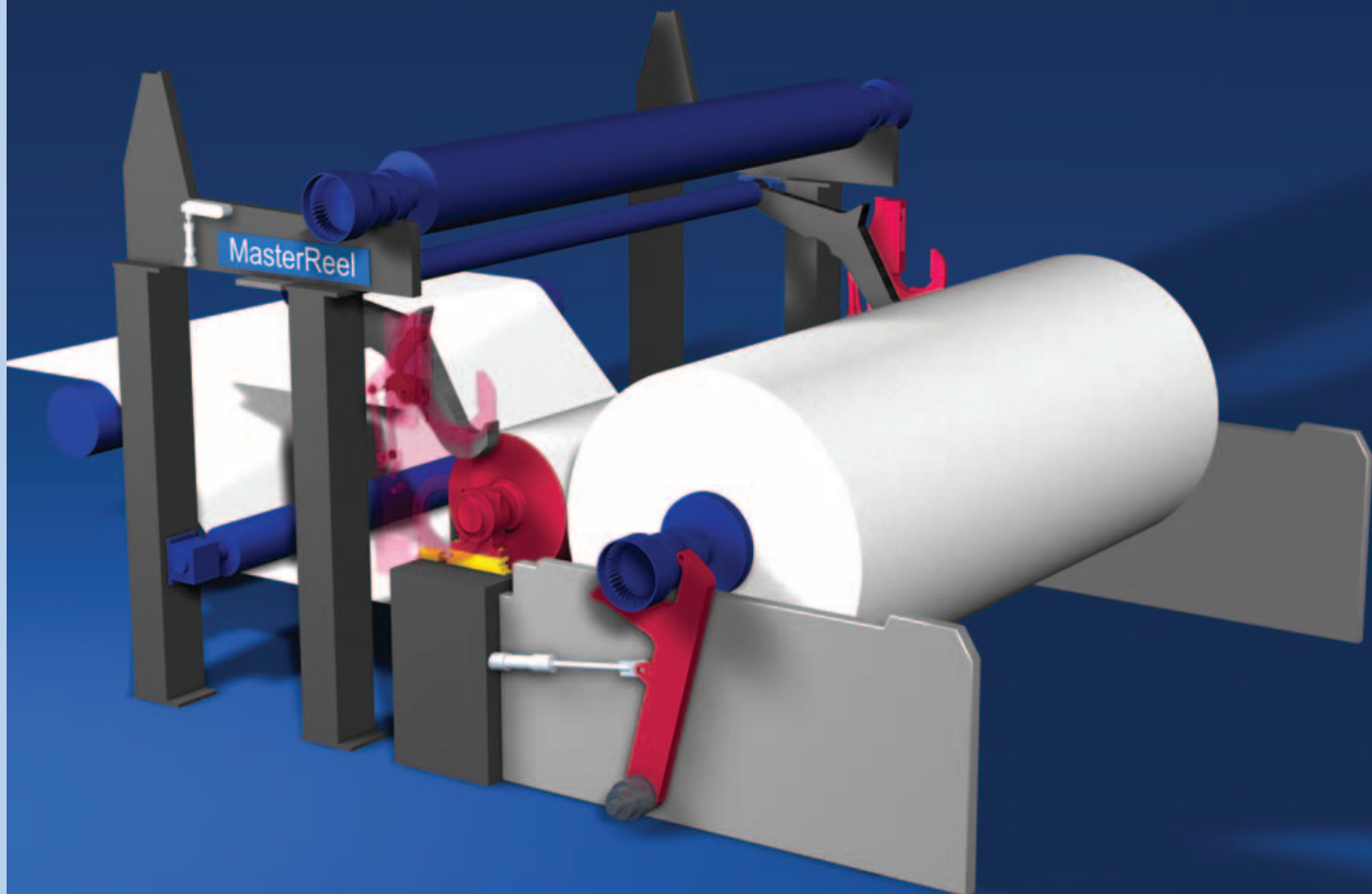


Voith Paper

VOITH

Perfect winding technology
MasterReel™



Prepared for the future – with MasterReel™!

The efficiency of your production line is decisively influenced by quality, availability and minimization of paper losses.

MasterReel™ sets new benchmarks in all of the three criteria with line load control, innovative design and extensive diagnostic tools.



Application range:

- Winding diameter up to 3500mm depending on application
- For highest speeds

Paper grades:

- Graphic papers
- Specialty papers
- Board and packaging papers
- Tissue papers

MasterReel™ and its innovative modules*

The unique sensitive line load control provides best winding quality for a wide range of paper grades including even pressure-sensitive papers.

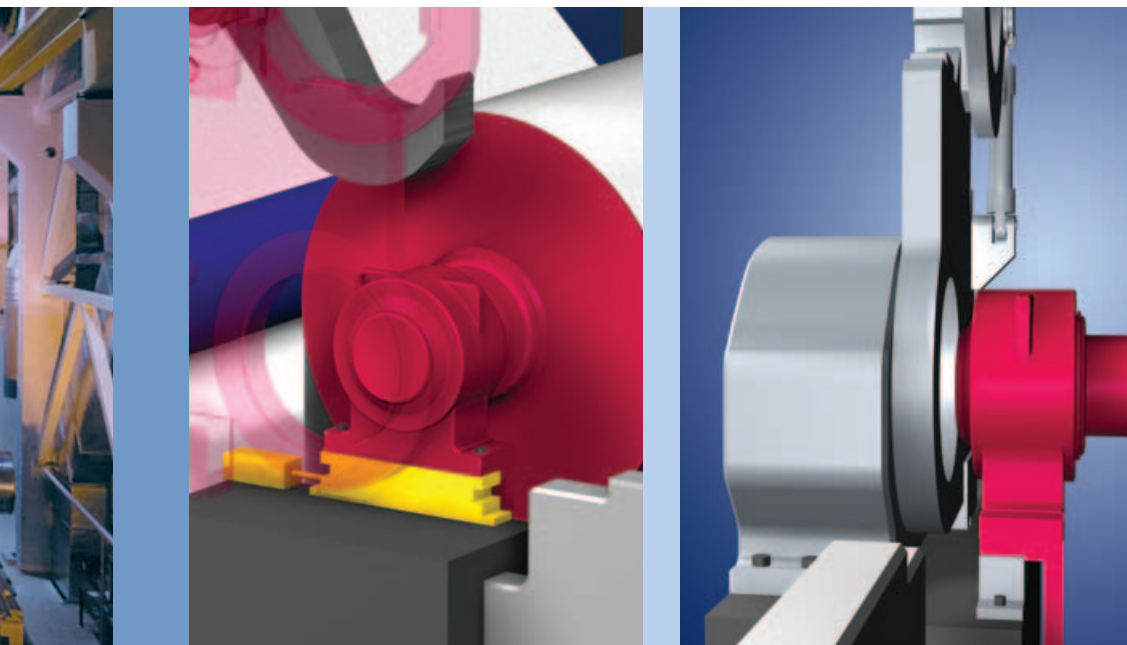
For your quality assurance, reel density versus diameter and time can be assigned to every parent roll. A visualization of this data is also possible.

The extensive diagnostic tools recognize system faults before paper defects occur. Thus you are in a position to plan on targeted maintenance.

Due to the advanced design, the reel drum can be changed considerably faster as dismantling of the primary arms is not necessary.

The modular design of the reel sections and the control system allows adaptations to future requirements, such as line load analysis, oscillation and visualization.

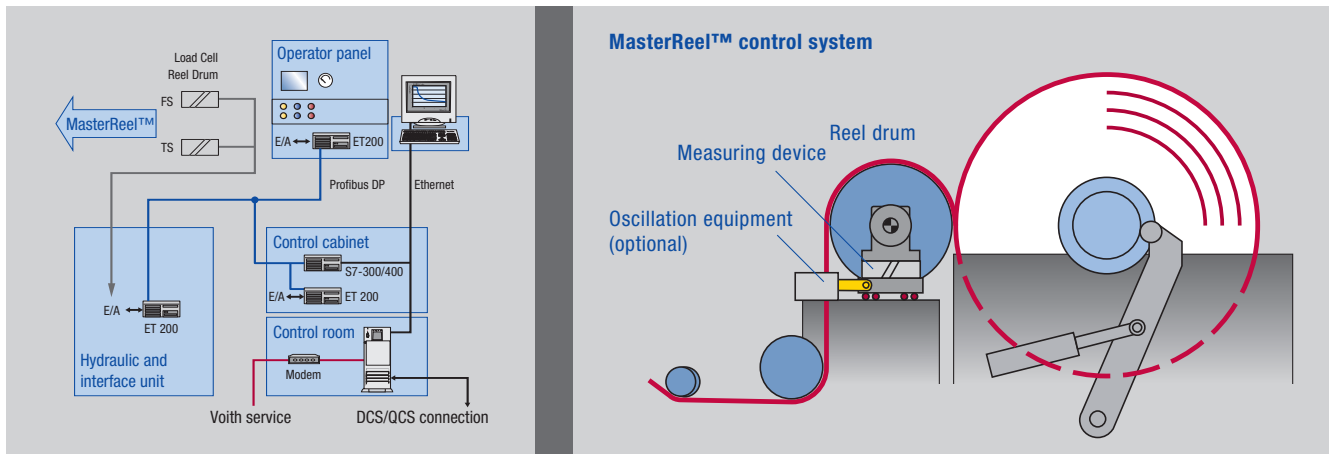
** The key features are patent pending*



Oscillation equipment

Independent reel drum bearing

Roll to roll optimum winding quality



High winding quality – easy operation

Line force curves specific to each individual paper grade are stored in the system and can be called up by the operator. The modern Siemens control system can be configured for time saving remote maintenance by Voith experts via modem. The flexible control concept works both as a stand alone unit and in connection with an existing system. Field bus technique and pre-wiring ensure reduced erection times and expenditures.

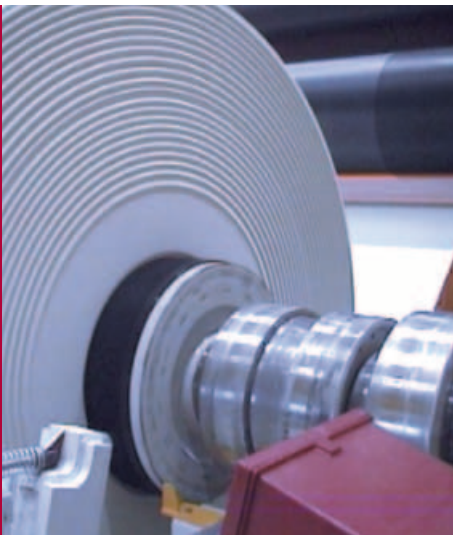
The MasterReel™ control system

The unique control concept measures the line load directly at the reel drum. This leads to a consequent separation of line load generation and measurement. Reproducible reel density without negative influence by disturbances in the reel spool load system is the result. The larger wrapping angle at the reel drum due to the vertical web run allows winding of pressure sensitive papers. The required paper web tension in front of the reel drum can, therefore, be lower.

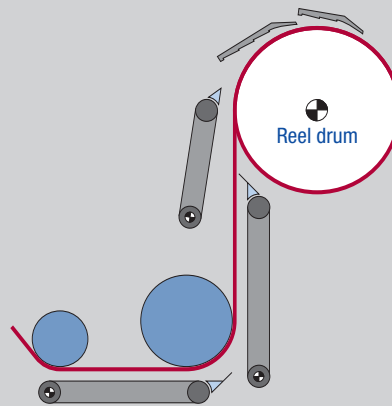
The reel drum with SensoCover™

For proper web contact and stable web run at high machine speeds with smooth, dense paper or board the reel drum is covered with an elastic SensoCover™. Through its adaptability to the web profile, the SensoCover™ extensively seals the nip against dragging in air between paper layers. Air pockets, wrinkling and similar winding defects are prevented. The wide nip, with its low specific load, protects the surface and maintains high bulk.

Reduce your paper losses Increase your profit – MasterReel™



Fibron 3000



MasterReel™ is designed to match future requirements:

Oscillation:

Defined displacement of paper layers minimizes paper defects caused by CD caliper deviations. Larger winding diameters can be achieved particularly with high density papers.

Fibron 3000:

An upgrade to conveyor belt technology is possible instead of standard rope tail threading.

Your benefits:

- Optimum winding quality reduces your paper losses
- Higher availability due to targeted maintenance
- Easy operation
- Maximum operator safety
- Short erection time achieved by a high rate of pre-assembling and the functional tests in the Voith workshop
- Short downtime for changing the reel drum

Conclusion:

The MasterReel™ is a highly economical solution for the wind-up of paper and board.

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