

## Mutual trust and cooperation

# Smurfit-Stone counts on Total Roll Management

**Smurfit-Stone Container Corporation in North America has signed a five-year exclusive agreement with Voith Paper to provide roll covers, roll grinding and roll mechanical services (Total Roll Management). The goal is to significantly decrease the total cost of ownership regarding rolls through increased equipment reliability, improved processes and higher product quality.**

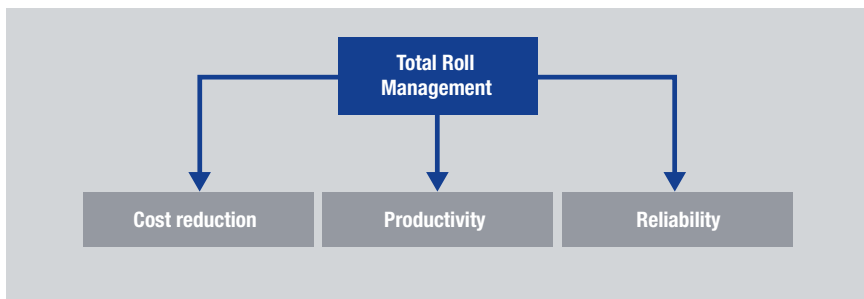


Fig. 1: Voith Paper's Total Roll Management.

Total Roll Management includes:
<ul style="list-style-type: none"> <li>• Roll covers</li> <li>• Mechanical roll services</li> <li>• Roll grinding</li> <li>• Roll upgrades</li> <li>• Replacement rolls</li> <li>• Roll record keeping (SØNAR)</li> <li>• Roll transportation</li> </ul>

Fig. 2: Scope of the TRM program.

In June 2010 Smurfit-Stone started the TRM (Total Roll Management) program at its Hodge, Louisiana (USA) paper mill. Implementation at all sites will be completed by early 2011. The TRM program shows perfectly how to reduce service costs, improve internal

processes, and gain huge steps forward in profitability.

Combining roll service, which includes all mechanical service and roll covers, with Voith Paper's new generation of press fabrics offers further powerful ways to save costs,

increase process stability and product quality.

### Successful cooperation

The senior management teams of both companies have made a strong commitment to the program to ensure



*"Voith Paper with its Total Roll Management program is the best and most cost-effective partner ..."*

*David Barnett, Director Reliability Center of Excellence*

*"In June of this year we entered into a TRM agreement with Voith for all 12 of our mills in the US and Canada. We are not focusing on price, but on the total operating costs. We want to bring them down – for this, Voith Paper with its Total Roll Management program is the best and most cost-effective partner."*

its success. Voith's TRM program at >>> Smurfit-Stone is managed by a dedicated strategic account coordinator who is responsible for the implementation, rollout, deliverables and continuous improvement process. Mutually agreed-upon projects have been outlined by machine and mill level personnel and will serve as the foundation for resource and manpower allocation. All roll reliability and machine efficiency initiatives will be monitored and directed by the Smurfit-Stone Operation Excellence team.

### Total Roll Management

Voith's Total Roll Management platform focuses on three cornerstones:



Fig. 3: Smurfit-Stone Hodge – TRM team.

- Cost reductions by lowering total operating costs, rather than uncoordinated individual measures
- Productivity measured by machine-specific uptime targets and operational improvements
- Reliability with guaranteed and proven techniques.

### Contact



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*“Voith’s TRM is a critical piece for our mill division to reach our goal of world-class manufacturing. Beyond the very real improvements we see in roll utilization, our mill teams benefit from learning how to manage through systems, and Voith’s TRM is a world-class system.”*

Mike Exner, Senior Vice President and General Manager, Containerboard Mill Division

Total cost of ownership reductions	Productivity improvements	Reliability improvements
TRM program commitment value	Improved roll reliability: Increased uptime and production	Reduction/elimination of unscheduled downtime due to roll issues
Process optimization and standardization, benchmarking, optimizing products and performance	Optimized roll cover solutions: Increased press solids, improved CD moisture profile, etc.	Increased cycle time between roll servicing
Reduction/elimination of internal non-core function costs	Improved quality/performance through sheet consolidation, stability and smoothness	Extended life of wear parts and bearings
Reduction/elimination of scheduled & unscheduled roll-related downtime	Optimize press performance with fabric and roll integrated solutions	Preventive maintenance and planned roll changes
Reliable, accurate roll records		Predictable run cycles
Increased roll run time cycles		
Increased overall machine efficiency		

Fig. 4: Total Roll Management.