

Rapid repair of spreader rolls

## Minimized waiting & maximized service

**Spreader rolls are critical for the wet and dryer part of every paper machine: directly affecting processing felts as well as paper web quality. Voith Paper experts use their great experience with rolls for the maintenance of spreader rolls.**



*Disassembling of a spreader roll.*

“The main thing is, the roll is running again” – This kind of comment is pretty typical when spreader rolls are repaired. But it’s not the whole story. Truth is, there are huge differences in “how” these expensive rolls are serviced. Voith Paper has a comprehensive service concept and an entire department dedicated just to spreader rolls. What makes Voith Paper services so fast is firstly the longtime manufacturing and installation know-how: Voith Paper experts know each and every type of roll configuration. Secondly – Voith Paper service teams prepare precise inspection reports that really pay-off for customers.

“Our service reporting sets a new standard,” explains Martin Bassmann, Sales Manager Austria, Germany and Switzerland. During an on-site analysis, Voith Paper experts examine roll problems in detail. Most importantly – they track down and correct the causes of break-downs, so problems don’t re-occur. Here, detailed reporting adds transparency by listing all essential time-sensitive repairs as well as possible improvements, including a clear cost estimation. Altogether, this makes it easy for customers and Voith experts to identify the best and most cost-effective solution. “Thanks to these

reports, customers always have an overview of their services. Added to that, once customers select a repair – these reports help ensure the fastest possible service,” adds Bassmann.

**Lubricants are important too**

Most spreader roll problems start with their bearings. And often, that’s because the wrong lubricants were used. Here too, Voith Paper’s expertise helped to develop an innovative lubricant specifically designed for spreader rolls.

*“We can modify each roll, to match its operating conditions.”*

Helmut Bammer, Voith Paper Laakirchen, Austria

The results: an extended lifetime and minimized bearing wear. In many cases, the installation of a central lubrication system or the conversion of an existing system may also be a sound investment.

Before and after each Voith Paper service, rolls also undergo vibration testing and a frequency analysis – onsite in the paper machine as well as on a test rig. If desired, additional sensors can also be installed to permit online monitoring of a roll’s vibrations and temperatures for more effective preventative maintenance.

“We can modify each roll, to match its operating conditions,” reports Helmut Bammer, Manager Roll

Service in Laakirchen. This involves not only construction modifications, but also special coatings, such as: tungsten-carbide-teflon or chrome-carbide-teflon coatings. In addition, roll segments can be converted from rubber to steel, or steel to rubber. For example: in a paper machine’s sizing press, several spreader rolls were used with conventional rubber covers – but due to a heavy fouling, they only lasted a few months. In 2004 however, these rolls were replaced with steel rolls having a carbide-teflon coating and ever since – they’ve run problem-free.

**The fastest service**

Voith Paper offers very fast spreader roll services. Here the broad supplier network gives the service a head-start – assuring quick deliveries of suitable bearings, couplings and seals. Added to that, Voith Paper operates its own in-house repair facilities.

“On average, we service steel rolls in about four weeks, and it only takes six or seven weeks for rubber rolls,” says Martin Bassmann.

Despite Voith Paper’s quick response times, customers still shouldn’t postpone routine inspections. “Many times, spreader rolls are just run too

long and then breakdown unscheduled,” comments Bassmann. Routine scheduled maintenance of these rolls however, makes good sense: Production outages can then be managed – rather than just happening, and major damages can be avoided. Regardless of a roll’s original manufacturer, Voith Paper offers services that can extend every roll’s lifetime.

A spreader roll’s performance can be enhanced by using approved spare parts: such as clutch components or seals. Today, Voith Paper service centers are located in: Laakirchen (Austria), Kunshan (China) and Jakarta (Indonesia). Voith Paper has many successful service projects, including spreader rolls in the world’s fastest (2,000 m/min) and widest (11 m) paper machines.

**On Focus: Spreader rolls**

ProRunnability	+	+	+	+
ProQuality	+	+	+	
ProSpeed	+	+		

Section: total paper machine  
Width: all  
Paper grade: all

**Contact**



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