



## **Metris ChipperEKG**

The Metris ChipperEKG is a unique condition monitoring solution. It gives online information and knowledge about the chipper vitals and its knife system. Similar to the device a doctor hooks up to the human body to evaluate heart health, the ChipperEKG keeps track of the heart of the chipper – the knife. The EKG indicates the knife contact with the log and shows its real-time enriched with special insights.

#### **CUSTOMER CHALLENGE**

Foreign objects may occasionally get into chipper causing unexpected shutdowns and production losses. Chipper knife change is typically scheduled based on chipper running time or chipped volume. Without foreign object detection or if the actual knife condition is not known mill may experience unnecessary knife changes, unnecessary safety risks, lower chip quality and lower production with dull knives.

### **ANDRITZ SOLUTION**

The ChipperEKG diagnostics technology provides online knowledge and insights of chipper vitals such as knife condition and knife wearing. Stone detection, bearing and gear reducer condition monitoring available as an option.

### **BENEFITS**

- · Maintains high and consistent chip quality
  - Higher production
  - · Less wood losses
- · Prevents chipper damages
  - Safety is increased when knives are changed only when necessary
  - On-time knife changes prevent high repair costs and production losses
- Optimized knife changes
  - Only change knives when necessary
  - · No overgrinding needed
  - · Reduces knife costs
  - Higher availability



Damaged knives



Knives in good operational condition

Features	ChipperEKG	Portable ChipperEKG (Available for test use)
Online knife wearing estimation	•	•
Knife change optimization	•	•
Online detection for poor knife installation	•	•
Online detection for damaged knife	•	•
On-line efficient chipping time indicator	•	•
Optional features		
Online condition monitoring for bearings	•	
Online condition monitoring for gear reducer	•	
Stone detection module for roller conveyor	•	





# ANDRITZ Autonomous Wood Processing – pioneering the digital revolution



ANDRITZ has built advanced wood, chip and bark processing plants and equipment for the pulp & paper, panelboard and power industries worldwide. We also provide parts, repairs, maintenance and modernization services throughout the world.





### ANDRITZ AUTONOMOUS WOOD PROCESSING SOLUTIONS

We believe in getting the most out of wood raw material, we believe in sustainability. The way we challenge the seen inefficiencies in mills, is making our products meaningful, future proof, modular, simple to use and easy to maintain. We just happen to make success stories to our customers.

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