



Safe and reliable threading & cutting solution PrevoSystems

The market demands for efficient processes and a high runability. The threading and cutting process plays a central role here. Due to inefficient threading processes, up to 60 minutes of production time can be lost after each break and start-up. In many cases there is a substantial safety risk for the operating personnel, who must undertake a manual intervention in the threading process.

Increased safety and shorter threading times

Voith has thus developed PrevoSystems, fully automated threading and cutting systems. They ensure the highest level of safety for the operating personnel, reliable threading processes and short threading times.

All advantages at a glance

- + A higher runability and productivity due to short threading times**
 - + More safety for the operating personnel due to fully automated systems**
 - + Easy operation**
 - + System pre-settings allow functionality on a large range of grades and speeds**
 - + Reduced production loss after a restart of the paper machine or a sheet break**
 - + Short amortization time**
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Tail threading at full operating speed

At point "A" the threading tail is cut by our PrevoCut mechanical or high pressure water jet tail cutter in machine direction, stabilized and removed with a PrevoLift device and transported with the PrevoThread conveyor into a rope nip or to the following conveyor. Voith has developed a reliable patented vacuum technology specifically for this complex process. It reliably controls the tail and leads to very short threading times.

Thanks to the high degree of automation and the controlled tail transport, the threading process is reproducible. Break and loss of time can be minimized after the break or start-up. PrevoSystems works for the complete PM operation window, it is not needed to change any settings or controls.

Successful in operation

Currently more than 1,000 Prevo threading systems are successfully operating worldwide. With the proven PrevoSystems

technology, the shortest possible threading time is achieved with all installations. Thus occupational safety for the operating personnel is ensured with this system.

Areas of application

PrevoSystems is used for threading in the press section, in rope nips before size presses, coating sections, calenders and end sections (also entirely ropeless) as well as for ropeless dryer sections in heavy board and high speed applications. The individual sub products, smaller components and the pneumatic or electrical controls are combined as a complete solution adapted to the individual requirements of the customer. The pre-settings of the system do not have to be changed for a grade or speed change.

Portfolio: threading systems

Based on the developments mentioned and the associated savings and safety aspects, Voith can offer an extensive portfolio for the threading process throughout the entire paper machine.

All Threading, TailCutter and EdgeTrim systems at a glance

Sektions	Forming	Press	Dryer	Coating	Calenders	Reel
Prevo threading systems						
PrevoSystems DryEnd				●	●	●
PrevoSystems WetEnd		●				
TailStabilizer			●			
RopeRings			●			
Prevo TailCutter and EdgeTrim						
PrevoCut DC				●	●	●
PrevoCut STC/DTC				●	●	●
PrevoCut H/DH	●	●				
TrimSquirt	●					
PrevoCut ET				●	●	●

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