

Valmet Tail Jet Cutter D

A water cutting device

Reliable tail cutting is the bedrock of successful tail threading. Valmet Tail Jet Cutter D* enables efficient tail cutting at dryer section. It provides a tail of more uniform quality and any web edge faults can be eliminated. Valmet Tail Jet Cutter D is suitable for all paper and board grades.

Controlled cutting and fast widening

Valmet Tail Jet Cutter D cuts and spreads the web by moving the tail to the middle of the machine, just before the widening of the web. For fast and controlled tail threading, the tail can be cut at a desired point of the web and the tail width can be freely adjusted.

The tail can be transferred to a desired point in the cross machine direction. Transferring the tail towards the center of the machine prevents tail from slipping back to ropes in case of rope based system. Tail will also remain in same MD position with threading equipment, even when sheet edge position varies. In rope applications, desired length of tail feeded to ropes can be controlled by tail CD direction movement.

Double water jets for high quality cutting result

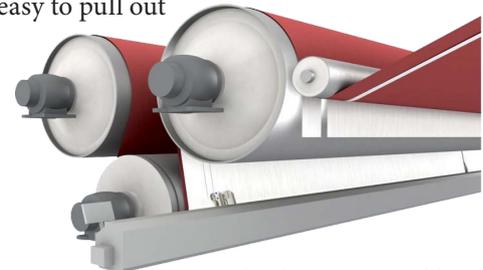
The cutting solution has double water jets that ensure high quality cutting result. Both cutter heads can be moved independently and syn-chronized. Valmet Tail Jet Cutter D's frame beam has two transfer carriages equipped with cutter heads, transfer motors, limits switches and position detectors. Compact design with stainless steel cutting head provides long term performance and reliability.

The web can be cut against the fabric, against the cylinder or in an open location (open draw) depending on grade produced. When cutting the tail in an open draw, the cutter head is equipped with a support plate whose operation is based on the coanda effect.



Benefits

- Automated tail cutting procedure ensures operator safety
- Better controllability in tail threading
 - Variable nozzle positioning to meet with operational requirements
 - More uniform tail quality; any web edge faults can be eliminated
 - Rapid web spreading; tail is widened towards both sides of the machine
- The tail is cut against the dryer fabric/dryer cylinder (water jet cutting)
 - Better cutting result and faster widening
 - Less breaks during widening, especially at reel
- Cutting in open draw or against fabric enables the recovery of cutting waste
- Easy maintenance
 - Fast nozzle changing
 - Hoses easy to pull out



*earlier known as DoubleJet

For more information, contact your local Valmet office.
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