

Valmet Belt Roll Doctor

Doctoring solution for shoe press roll

Proper doctoring of the shoe press rolls enables more efficient nip dewatering as well as better cleanliness at the press section.

Valmet Belt Roll Doctor* doctoring solution for different shoe press concepts increases the vacuum effect in belt grooves and thus prevents water rimming around the belt.

Enhanced doctoring

Valmet Belt Roll Doctor provides you with first-class doctoring result for shoe press rolls. The belt roll doctor solution consists of a doctor which is integrated into the saveall. The doctor has a lightweight composite body and it provides easy and reliable doctoring also in space limited applications. In addition to the integrated doctor model, it is possible to use a doctor with a self-profiling blade holder, HDPE-blade and a beam made of steel.

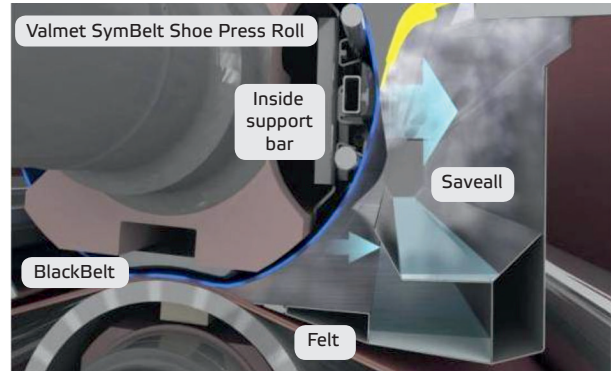
In order to produce a high-class doctoring result, there is an internal sleeve support bar inside the belt loop. It effectively eliminate

Main advantages

Valmet Belt Roll Doctor has many benefits, proven in production situations:

- Increased dryness after press, improved moisture profile
 - Possible to use Black Belt with v-type grooving (most efficient in dewatering)
 - Doctors nip water effectively to saveall
 - Possible to move to effective nip dewatering instead of uhlebox dewatering
 - Energy savings as Valmet Uhle Box vacuum can be lowered or eliminated
- Improved cleanliness for increased machine uptime
 - Eliminates misting around the shoe press roll
 - Minimizes contamination of frames
 - Enables decreased break sensitivity

*earlier known as BeltDoc



- Longer felt service life-time
 - Decreases felt plugging
 - Eliminates backsplash from ingoing side of nip, which plugs felts
- Full scope package with service and belts
 - Most economical and best payback can be reached

Case example: Two per cent higher web dry content

The customer's target was to increase web dry content and improve runnability after the Sym-Press B press section. Valmet Belt Roll Doctor with saveall was mounted close to the felt. This made it possible to increase linear load from 700 kN/m to 850 kN/m.

Action	Results
Higher linear load	1.5% web dry content increase after press
BeltDoc & saveall	0.5% web dry content increase after press
Machine speed	55 m/min increase
Dry content	2% higher
Bulk	No difference