New thrust pad contacting device for the Baltic crimper

Less wear and superior fiber quality

Technological changes to Oerlikon Neumag's Baltic crimper thrust pad contacting device have resulted in considerably reduced friction in the crimper rolls and hence less wear and fewer metal particles contaminating the crimped staple fibers.

Thrust pads close the gap between the crimper rolls on either side. Normally, these thrust pads are continually pressed – under high pressure – against the sides of the crimper rolls. Wear and metal debris on the thrust pads is the result of this constant contact. The metal debris can contaminate the fibers, something that is particularly undesirable in hygiene applications.

New thrust pad contacting device for reduced metal debris and greater durability

With the new system, the thrust pads are pressed against the rolls with less pressure and then fixed into place. This prevents fibers from being caught and the frictional force between the pressure disk thrust pad and the crimper roll is minimized. Pilot applications have demonstrated that metal debris from the pressure disks thrust pads is dramatically reduced, making them between three and seven times more durable.

The new thrust pad contacting device is now available.

1,241 characters including spaces



Caption: Considerably reduced wear to the pressure disk after 24 hours of operation using the new fixing system with deactivated thrust pad rotation



Caption: Signs of wear to the pressure disk after 24 hours of operation using the old fixing system with deactivated thrust pad rotation



Caption: Oerlikon Neumag Baltic crimper - new thrust pad contacting device for less wear