

MarquipWardUnited

Bow-Tie Splicer



Key Features

- Ergonomical design allows the operator to safely and efficiently prepare splicer at floor level.
- Increase sheeter productivity by 20-30%, allowing for payback in as little as six months.
- Precision tension control system with linear dancer system.
- Reduces waste and downtime.
- Splices at speeds of up to 300 MPM (1000 FPM)
- Design eliminates the need for operator splice preparation walks and rolling ladders

Barry-Wehmiller

Bow-Tie Splicer

The Bow-Tie Splicer incorporates many unique design features that are key to achieving superior splice reliability. These features combine with the Bow-Tie Splicer's easy, effective splice preparation allows operators to achieve excellent splice reliability.

High Speed Splicing Capability

Designed to be installed over a dual fixed-position or rollout roll stand the Bow-Tie Splicer includes 200 mm (8") diameter coated idler rolls, capstan roll, Corefinder Splice System, automatic controls, baggy edge roll adjustment, floating dancer, Optical Splice system, and integrated linear dancer web tension control for the best performance available. The Bow-Tie Splicer can splice at speeds of 150 to 300 MPM (500 to 1000 FPM) based on roll diameter and paper basis weight.

Precision Tension Control System

Tension levels can be set for the lowest quality paper while allowing specified splice speed. The electronic web tension control system allows reliable splicing by avoiding breakouts due to slack or jerking. The High-Performance option enhances splicing and optimizes paper accumulation with dancer forward during normal run to allow E-stop without roll overrun. A new, quick-response servo tension control maintains desired web tension to close tolerances during all phases of splicing.

Standard Features:

- Dancer Roll: Provides Automatic web tension control and paper accumulation required to feed the sheeter during the splicing sequence.
- Indexing Wheel: Contacts the splice sealing nip roll when the placer carriage is in the out position. Allows the operator to accurately index the prepared leading edge of the new web to the centerline of the splice sealing nip to obtain a full even seal.
- Splice Sealing Nip Rolls: High pressure rolling nip seal of the splice. This nip contact provides a secure bond that is actually stronger than the paper.
- Capstan Roll: Tensions the paper for cutoff, powers the web through the nip point and accelerates the new roll up to line speed. One of the design features that enable the Bow-tie Splicer to splice at high speed. Splices at speeds of up to 300MPM (1000 FPM).

Optional Features:

- Automatic splicer thread-up with integrated catwalk
- Decurler to neutral position control
- Internal spiral grooved spreader rolls
- Split roll capability
- Chromed rolls
- Laser roll aligner
- Sheeter roll stand interface kit



MarquipWardUnited

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Ausführung

- Ergonomisches Design erlaubt ein sicheres und effizientes Bedienen des Splicers, auch bei sehr großen Rollen.
- Steigerung der Querschneiderleistung von 20-30%, - d.h. Amortisation in 6 Monaten
- Präzisions-Bahnspannung durch Einsatz einer Linearen Tänzerwalze
- Minimierung von Ausschuss und Rüstzeiten
- Geschwindigkeiten bis zu 300 m/min möglich.
- Neues Design, d.h. Leiter oder Spliceplattform nicht nötig.

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SSLD (Shaftless Self Loading Dual Position) Unwinds

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