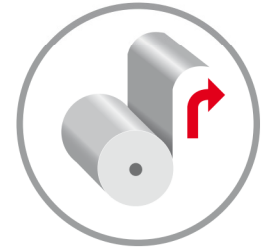


AUTOMATIC TRANSFER UNWINDER



PERFORMANCE CHARACTERISTICS

- ▶ A fully integrated, state of the art controls system specifically designed for automatic splicing systems
- ▶ Servo controlled spindles and web accumulator for a fully coordinated web handling system
- ▶ Master control system consisting of an industrial PC, CoDeSys programming and Ethernet Bus network communication to the drives
- ▶ HMI Operator interface with touch panel
- ▶ Remote diagnostic capability
- ▶ Simple splice preparation
- ▶ Butt splice unit featuring scissor cut function providing a 15 degree splice angle
- ▶ Tape on one or both sides of the web
- ▶ Sensor controlled splice fault recognition with HMI indication
- ▶ Center driven unwind units via AC servo gear motors
- ▶ Splice sequence automatically initiated by diameter setting or manual override
- ▶ Minimal waste material left at the core through high precision diameter calculation via encoder
- ▶ Automatically inflated pneumatic core shafts
- ▶ Roll loading via integrated lift and load system
- ▶ Automatic roll sidelay function ± 25 mm for accurate lateral splice alignment
- ▶ Ultrasonic sidelay sensors to guarantee accurate alignment with all web materials
- ▶ Capacity to load two full rolls of material
- ▶ Bi-directional unwinding
- ▶ Integrated Isolation dancer to balance web tension changes during the splice and acceleration phase
- ▶ Web break signal
- ▶ Spiral grooved idler rollers
- ▶ Web tension generation via closed loop dancer feedback control
- ▶ Internally generated speed signal provided by rotary pulse encoder
- ▶ Optional roll-to-roll splice signal
- ▶ Electrical cabinets mounted to equipment frame
- ▶ Enclosed design with point guarding for danger zones
- ▶ Optional power regeneration in combination with rewinding unit to reduce operating costs