

Stacking Systems



Innovative engineering and technology are at the core of the Reichel & Drews design philosophy. We see design more than just steel, nuts and bolts. We see it as a means to efficient productivity. The result is the most reliable, productive, and easy to maintain shingle stacking system in the industry.

Moving You to Greater Productivity

Shingle Delivery Conveyor

- Direct drive (no gearboxes)
- Segmented modular design for gradual acceleration resulting in fewer stacker jams
- V-Grooved belt rolls with Twin A, poly belting
- UHMW belt stabilizers
- Independently mounted ceramic lined side guides for greater adjustability



Stacker Box

- Servo driven
- Frame provides easy access to components for quick replacement
- Starwheels and drop plates are coupled directly to servo reducers
- No realignment necessary when replacing starwheels due to 3-piece coupling design
- Operational flexibility even with unbalanced stacks allowing square drops
- Production speeds of up to 700 fpm (213 mpm) into a single box depending on shingle design



Diverter

- Servo driven
- Light weight (low inertia)
- Responsive
- Low maintenance



Drop Conveyor

- V-backed rough top belting
- Belts equipped with individual tensioners that are adjustable from the outside frame & guards via right angle linear actuator
- Reversible center drive



Accumulation Conveyors

- Belt driven live rollers
- 2-1/2" (64 mm) dia., 11 ga. rollers
- High speed sealed bearings
- Air operated zones
- Typical zone length of 42" (1066 mm)
- 14" wide (355 mm), 3 ply black PVC-120 belting
- Brake section at exit end



When you choose Reichel & Drews you are choosing experts at moving shingles

Timing Feed Conveyors

- Servo driven entry section
- AC vector driven exit section
- Twin A, poly belting
- UHMW slide supports provide full bundle support



Advanced Stacking System Jam Detection

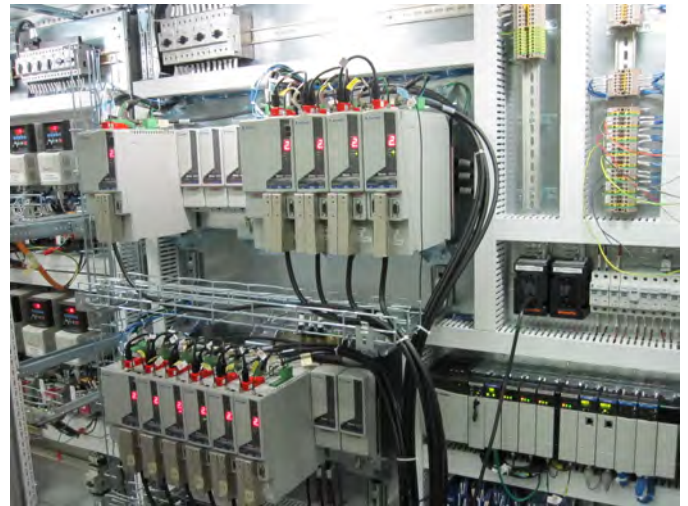
- Cutter jam is detected with photo eyes at the exit of cutter
- Diverter jam causes laminator to stop
- Stacker jam causes laminator to slow down and shingles to be redirected to operational stacker
- Hi-Lug jam causes the laminator to slow down until zoned timing conveyors are filled

Hi-Lug Conveyor

- Modular frame
- UHMW return rail for lugs
- Slider beds adjustable on two axis
- Pusher lugs feature easily replaceable CRODON® faces and bushed attachment holes with larger attachment bolts for easy change
- Slide plates at the entry point are ceramic for consistent and proper friction from a stationary position to speed from the pusher lug
- Slide plates between the entry and exit positions are CRODON for long service life

Drives & Controls

- Allen Bradley ControlLogix PLC with Ethernet and Profibus cards or Siemens S7 PLC with Ethernet and Profibus cards
- Allen Bradley or Siemens servo motors and amplifiers
- Profibus for servo drive communication
- Remote I/O with Ethernet communication
- Panelview Plus 1000 or Siemens MP 277, 10" color touchscreen for main operator interface
- Air-conditioned control panel
- Completely wired and factory tested



About Us

In 1902, inventor Hugo Reichel and machinist Fred Drews combined their considerable talents and experience and started a company with a guiding principle that remains as firm today as it was then: A blend of quality products, innovative solutions and customer service to help our clients improve productivity and profitability.

In the competitive marketplace of the 21st century, Reichel & Drews is the global leader for asphalt and modified bitumen roofing production machinery, not just because of the unrivalled quality of the equipment we manufacture, but because of our focus on customer service as well. We act as our customers' partner in productivity from beginning to end. Is it any wonder that we are honored by such a distinguished list of long-time customers?

What's our secret? Simple. We listen to our customers, then utilize our team of experts in equipment design, control systems, manufacturing and installation to develop and build solutions that help our customers increase uptime, reduce costs and maximize both quality and production speeds... in short, consistently improving customer productivity and profitability. We achieve this by utilizing today's most advanced technology, today's most inventive problem-solving methods and today's most visionary thinking.

From complete shingle and roll production systems to individual machines, we stand behind our products, our service, and most of all, our customers.



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