



## Star Roller™ Conveyor >>>>>

Shuttleworth introduces the solution to the paper industry's shingling problem: Star Roller™ Combined with Slip-Torque® technology, the Star Roller eliminates the "shingling" or "creeping" of the bottommost layers of paper when stacks are transported or accumulated between machines in the cut sheet paper handling process.

### Product Innovation



At Shuttleworth, we've custom-engineered every product with three things in mind: Solutions, Savings and Satisfaction. It's part of our commitment to provide you with the kinds of products that not only work, but work for you. For more than 40 years, we've partnered with companies and have had to answer some pretty tough questions, like "What can it do for me?" We've integrated features that are designed to decrease labor, increase production, and conserve energy. We've engineered systems that optimize efficiencies on the line and dramatically decrease downtime.

We've also made it simple to install and maintain. That's a promise. Just look for the mark:  Shuttleworth. Extraordinary Conveyor Solutions.

### 1 SOLUTIONS

#### > Eliminates Product Damage

With Star Roller and Slip-Torque conveyor technology, we can gently handle your paper products. Unlike traditional conveyors, the patented loose fit Star Rollers stop moving under your product as it accumulates – virtually eliminating any shingling or creeping of the bottommost layers of paper when stacks are transported.

### 2 SAVINGS

#### > Increases Productivity and Throughput

The cut sheet paper industry can finally benefit from flawless accumulation – increasing throughput and productivity, while reducing product damage and hours of operating time. Accumulation reduces total line delays by allowing operable machines to continue production for a cost-effective period of time when other in-line machinery is down.

### 3 SATISFACTION

#### > Ensures Your Happiness

With an entire team of professionals dedicated to sales and service, we're committed to your satisfaction. With more than 40 years of experience, we have the know-how to help assist you with whatever you may need, including the modification and reconfiguring of any equipment. After all, we've installed and serviced more than 15,000 systems worldwide.



> At Shuttleworth, we're always looking for ways to develop solutions for our customers. In fact, we've recently created a fine-pitched version of our popular Star Roller for a specific application. It's all part of our commitment to working with our customers to come up with solutions they never dreamed were possible. So what are you working on?



## The long-awaited solution to shingling.

Unlike round rollers that cause the bottom layers of stacked paper to shingle or creep during transport, the Star Roller's star-shaped anti-shingling roller greatly reduces or eliminates shingling by passing compression zones at roller-paper contact points downstream with the paper. The thicker the paper and the smaller the stack, the better the results. It's changed the way an industry moves its paper. Give us a call today and see what it can do for you.



### Construction

Extruded aluminum, bolted frame  
Stainless steel, welded frame

### Star Roller Surface

Engineered for anti-shingling with high and low friction, conductive, anti-static, anti-microbial, chemical resistant and high temperature configurations are available to convey a variety of paper products

### Conveyor Drive System

Flexible belt or continuous roller chain ( for applications where loads, dirt, oil, or temperature extremes are prevalent )  
Maximum load per belt – 1.4 kg (3.1 lbs)  
Maximum load per shaft – 3.8 kg (8.0 lbs)  
Standard speeds up to 120 FPM  
High speeds up to 300 FPM  
Average conveyable weight up to 100 lbs per sq. ft.

### Dimensions

Standard length in half meter increments

Standard surface widths:  
Minimum – 110 mm (4.3 in)  
Maximum – 1500 mm (59.1 in)

### Leg and Drive Mount

Stainless steel legs  
Mild steel legs  
Formed stainless steel sheet legs  
Extruded aluminum legs

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