



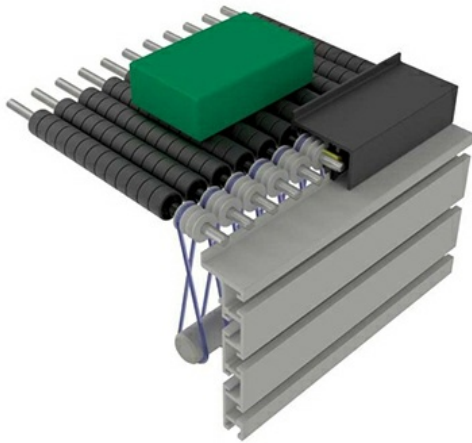
Professional Packaging Systems

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Shuttleworth Slip-Torque Technology



At a Glance

- Creates very low back-pressure
- Without jamming, scuffing or shingling products
- Highest level of safety with minimal opportunities for injury

Pricing

Call us at 888-318-0083

Many options are available. Complete details will need to be finalized to determine requirements and final system costs. Work with your Pro Pac representative to build this machine to your specifications.

Transport Products without Jamming, Scuffing or Shingling

Shuttleworth's innovative Slip-Torque roller technology creates very low back-pressure, enabling transport and accumulation of products without jamming, scuffing or shingling. Perfect for gentle product handling, Shuttleworth Slip-Torque roller technology offers the highest level of safety in the industry with minimal opportunities for injury risks.

Slip-Torque technology is based on polished stainless steel shafts individually powered by flexible belts on a line shaft or by a continuous chain. These stainless steel shafts are covered with segmented, loose-fit rollers, which become the conveyor surface.

The weight of the product being conveyed combined with the coefficient of friction between the shafts and the inside diameter of the rollers provide the driving force. As the weight of the product increases, there is a corresponding increase in the driving force supplied. As the product stops, the segmented rollers beneath it also stop, creating very low back-pressure accumulation and reducing product damage.

Slip-Torque Technology is based upon two factors: Individually powered roller shafts and a segmented, loose fit roller set. Power is transmitted to the roller shafts via a continuous roller chain system.

The chain drive system uses a continuous roller chain with support track and idler sprockets. The roller shafts are fitted with sprockets, which engage the drive chain. Chain drive is usually used in very oily applications, dirty conditions, and in extreme temperature conditions.

Features & Benefits

Safe and gentle for both products and operators

Inherent low pressure conveyance allows for mass product accumulation without damage or crushing

Available in chain and belt driven designs

Flexible design allows for use across a variety of industries and applications

Over 200 engineered rollers available in a variety of diameters and materials

Surface design allows for devices and options to be seamlessly integrated within the conveyor surface

Chain Drive Specifications

Max Speed	91.4 m/min. (300fpm)
Max Weight	119 kg/m(80 lbs/ft)
Min Temperature	-40° C (-40°F)
Max Temperature	148° C (300°F)
Lengths	0.5m, 1.0m, 1.5m, 2.0m, 2.5m, 3.0m
Max Surface Width	Up to 1500mm

Belt Drive Specifications

Max Speed	36.6 m/min. (120fpm)
Max Weight	79 kg/m (53 lbs/ft)
Min Temperature	0° C (32°F)
Max Temperature	46° C (115°F)
Lengths	0.5m, 1.0m, 1.5m, 2.0m, 2.5m, 3.0m
Max Surface Width	Up to 1500mm

Please [contact Pro Pac](#) or call 888-318-0083 for your product handling equipment.