



## WET WIPES



Whether it is nude stacks, bags, pouches, canisters or products in the tub, Shuttleworth has the solution for combining, accumulating, feeding, dividing and pattern forming.



From the Clipper (converter) to the Case Packer, Shuttleworth has the experience and technology to integrate and automate throughout this process. Using our low back pressure accumulation conveyor and custom engineered devices, Shuttleworth has developed into a leader in this market.

### COMBINING NUDE STACKS

### DIVIDING / SORTING

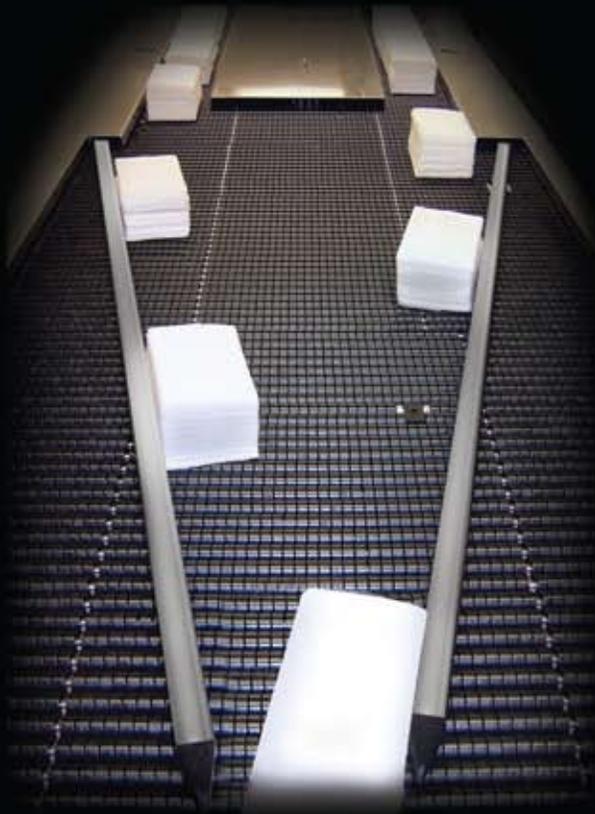
Combining without accumulating the products back to back can be done by using Shuttleworth's Servo Combiner conveyor. The products enter this system in two lanes. Each product is accelerated or decelerated to offset its position, relative to the product running parallel to it in the opposite lane. The material and consistency of the stack will determine if powered or stationary guides will be used in the funnel area of this system. Accomplishing this task without hard stopping the product maintains product integrity with superior throughput.



Shuttleworth's fully programmable pattern former moves product from one lane to multiple lanes using a pneumatic or electronic mechanism, providing speed and accuracy. This pattern former releases trains of product to designated lanes, ensuring equal number of products per lane. With its lane balancing capability the downstream equipment can continue to run because of the balancing of product flow.



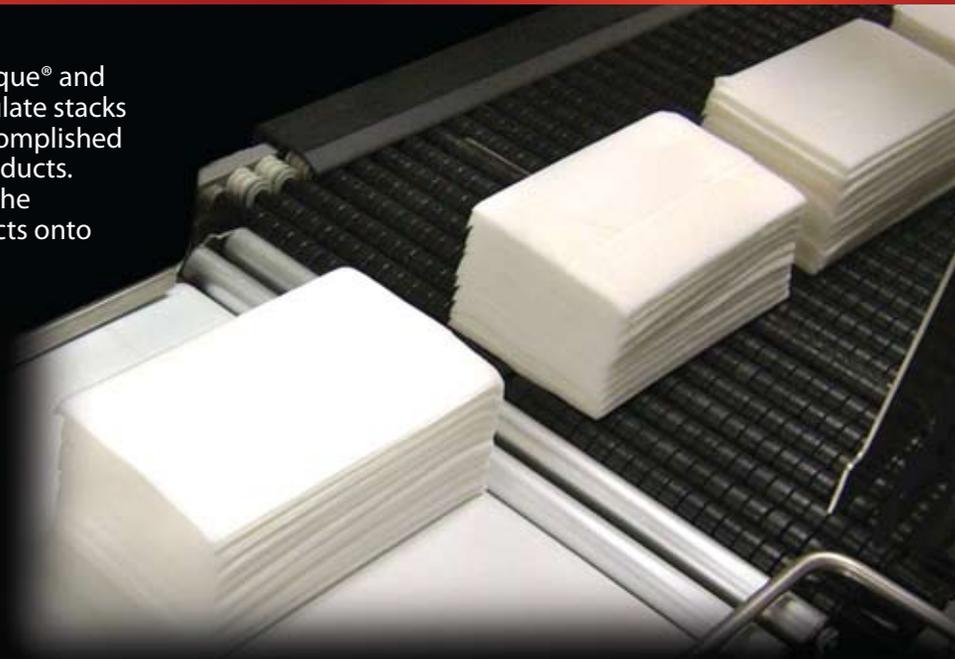
Sorting products from a single lane to multiple lanes for Tub Loading.



## LOW BACK PRESSURE WRAPPER INFEEED

By utilizing the standard feature of the Slip-Torque® and a variety of roller surfaces, the ability to accumulate stacks of wet wipes ahead of a flo-wrapper can be accomplished without compromising the condition of the products. This same accumulation feature will also allow the wrapper to more accurately position the products onto the film, which will provide cost savings to the manufacturer.

When integrating the Shuttleworth conveyors to the wrapper, speed modulation can be accomplished by strategically placing photo sensors on the conveyor, which feed information to the wrapper about product flow. With this technology integrated into the system, the wrapper will continuously run longer and more efficiently than a system without this feature.



### COMBINING

When the need arises to combine products from multiple wrapper lines to a common point for case packing, Shuttleworth can accomplish this task with its multi-lane accumulation table and product stops to bring products to a single lane. Shuttleworth's unique way of incorporating pneumatic devices and electronic components into the conveyor surface, combined with the segmented Slip-Torque® rollers, allows Shuttleworth to accumulate products in multiple lanes and release one lane of product at a time to feed the case packers at the back end of the line.



A variety of roller surface materials and 316 stainless steel construction is available

### ACCUMULATION / CASE PACKING

With Shuttleworth's upstream equipment balancing product flow to the Case Packer, Shuttleworth's downstream conveyor can stage and release multiple product counts into a "pickzone" for case packing. This conveyor solution provides low back pressure accumulation combined with product stops and sensors for this case packing infeed solution.



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