



## Shuttleworth has accumulated extensive experience in powdered metal parts production

Shuttleworth has developed proven engineered systems for automotive and industrial markets to optimize processes that increase flexibility and quality. Whether you're operating dedicated or time-share production lines, we



*Multilane accumulation for robotic interface.*

understand how critical your production schedule is, which is why we work so hard to develop a line of products that are tough enough to withstand your demanding applications. At Shuttleworth, we're not a catalog components supplier; we're a solutions provider. Our engineering team, with its on-site R & D and demonstration labs, becomes an additional resource to you for your product handling needs. We analyze each project and develop a custom solution based on your specific requirements. It's all part of our company-wide commitment to providing you the quality and service you expect.

### Application



Powdered Metal Products

### HOW WE'VE OPTIMIZED THE PROCESS

- > **Accuracy and Gentle Handling**  
Slip-Torque® conveyors accurately handle fragile parts before or after the sintering process. Positioning parts through the use of automated material handling devices provides consistent product control.
- > **Accumulation**  
Slip-Torque conveyors provide mass or inline accumulation for either manual or robotic handling operations through its low back-pressure which minimizes product damage.
- > **Managing Labor Costs**  
Controlling the amount of time needed at each furnace or press, through the use of automated parts handling, optimizes labor utilization and increases the efficiency of your facility.
- > **Flexibility**  
Shuttleworth's ability to accommodate product changes, whatever its size or shape, minimizes changeover time and makes our products unique.
- > **Full Service**  
Shuttleworth's proven ability to integrate specific equipment needs, such as scales, marking systems, or robotic interfaces, simplifies the engineering process and allows us to become an extension of your engineering department.



*Parts conveyed through a 90 Degree Corner.*

## Product Highlights

- Patented Slip-Torque® conveying technology uses segmented rollers, riding on powered shafts, providing low back-pressure accumulation.
- Available in single or multi-directional lane configurations for custom solutions based on standard products.
- Time-tested solutions operate in the harshest manufacturing environments.
- Safety! With the Shuttleworth design, your employees are working with equipment that is safe and ergonomically designed.



*Flexibility in handling various part sizes and shapes.*



*Shuttleworth engineers become an extension of your engineering department, providing customized solutions.*



*Shuttleworth control systems are designed incorporating our customer's preferred components and specifications.*

### Engineering & Controls

The strength of Shuttleworth is our ability to take on product transportation problems and engineer solutions that increase the efficiency of your plant. Our continuous investment in new product development and research gives us the application expertise to work with you to increase productivity. Our controls capability allows us to be compatible in virtually all automotive and industrial applications.

- Turn key solutions
- PLC systems expertise
- Designs are created using various CAD® programs
- Motion control systems
- In-house software programming
- PC control systems
- Integration of non-Shuttleworth products

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