Tolomatic
EXCELLENCE IN MOTION®

Custom Product Spotlight

Super high-speed, rod-style actuator

PATENT PENDING

- **Electric belt-driven, rod-style design**
- **True pneumatic replacement speeds**
- **Economical, low-cost design**
- **EtherNet/IP enabled, ODVA conformant drive**

EtherNet/IP™ ODVA™ CONFORMANT

APPLICATION:

This actuator was developed to accommodate extremely high speeds for part positioning. Positioning of the actuator required it be angled downward as parts are moved. As a result, the actuator needed to move fast enough to overcome the laws of gravity in order to keep the parts positioned on the actuator's rod. Traditionally, these types of speeds are only achievable with pneumatics or a linear motor solution. In this case, a pneumatic cylinder had been used as a linear motor was too costly. However, the cylinder had problems with consistent part placement and excessive energy consumption.

CUSTOMER BENEFITS:

Tolomatic created a cost-effective, patent pending custom electric belt-driven actuator design capable of achieving the required speeds of over 100 inches/sec with consistent part placement. The actuator utilizes a servo motor solution that is controlled using Add-On Instructions (AOI) over EtherNet/IPTM for easy integration.

- Cost-effective custom design that kept project on time and on budget
- Increased machine efficiency with reduced operating costs
- Easy integration with little to no maintenance

OTHER APPLICATIONS:

Replace high-speed, low-force pneumatic cylinders in applications such as product kick-offs, escapements, part placers, and many more.

CONTACT TOLOMATIC TO GET CUSTOM SOLUTIONS FOR YOUR CHALLENGING MOTION NEEDS

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