MTRH-004

Product Family: Pneumatic
Product Used: BC2, MXPS
Product Type: Standard

Application Requirements
Stroke: 9-10 in.
Speed: 30 in/sec
Load: 17-25 lbs

Application Description:
Automatic sorting of products on conveyors

Challenge:
A manufacturer of sorting equipment had created some in-house automation solutions on their sorting equipment but they could not achieve the speed or reliability to keep up with their distribution requirements. Production needed to increase and more sorting locations were required with limited floor space.

Tolomatic Solution:
A MXP rodless pneumatic cylinder with a solid bearing and a BC2 rodless cylinder were selected for this application because of their space-saving characteristics. The MXP cylinder sits perpendicular over the top of the conveyor and lowers a paddle. The BC2 cylinder then moves the paddle which pushes product both directions to different conveyors. Speed requirements of 30 in/sec were easily achieved.

Customer Benefit:
• Increased flexibility on the number of products they could sort
• Increased throughput met distribution demands