

Magna-Switch™

Divert or Converge Products



Innovative

Lane dividers and convergers with patented "Jam-Free" magnetic switching.



Smooth transfer

Magna-Switch powered rollers keep products moving smoothly and can handle a wide variety of products.

Product Handling Solution

The Magna-Switch system is designed for applications where several downstream machines are fed by a single upstream lane. Magna-Switch can diverge products into multiple lanes without contacting the side of the products. Magna-Switch is also used as a non-contact/rejecter to complement a product inspection device such as a checkweigher.

Magna-Switch controls allow the discharge lanes to be balanced or uneven. The system will react to downstream conditions such as a disabled machine and will distribute the packages to the remaining lanes.

Magna-Switch will diverge up to nine discharge lanes and will converge six infeed lanes into one.

Technical data

Product Handling Plus Magna-Switch product handling system

The Magna-Switch is a complete solution, with logic control, motor control, infeed and discharge transfer rollers, e-stop, interlocked lexan guard, ready-to-run, machine running, and remote start-stop - all as part of the base offering.

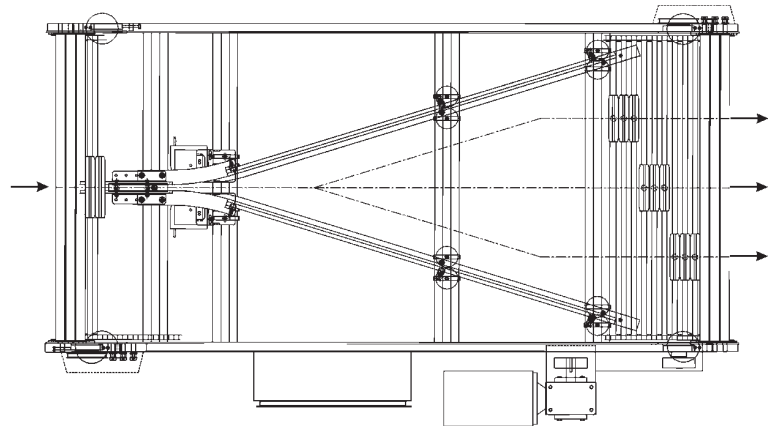
The Magna-Switch is able to vary the arrangement of products, based on the customer-selected pattern, or based on the customer's input during production.

Characteristics

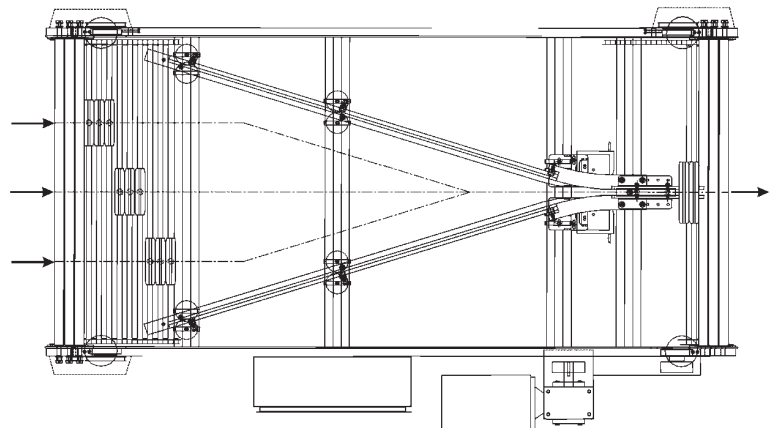
- Product dividers and convergers with patented "Jam-Free" magnetic switching
- Adjustable centerlines for easy line changes
- Multiple arrangement patterns
- Velocities from 45 to 350 feet per minute
- Line rates up to 550 ppm
- Package width up to 12 inches
- Package length from 3 to 12 inches
- Package weight up to 10 pounds
- Safety cover, Lexan with magnetic interlock or lockable disconnect
- Multiple product storage with preset speeds
- 230 or 460V AC, three-phase, single drop

Options and accessories

- Allen Bradley 5/05 PLC controller
- Remote mounting of control
- Power saver
- Auxiliary E-stop
- Separate E-stop contacts
- Full lane photoeyes for managing product distribution
- Allen Bradley AB 160 variable speed drive
- Allen Bradley components package



Diverger
(1 Lane Diverged into 3 Lanes)



Converger
(3 Lanes Converged into 1 Lane)

Magna-Switch top view schematic

Technical data	Magna-Switch
Product weight range	Up to 10 pounds
Line rates	Up to 550 ppm
Velocity	45 - 350 feet per minute
Line height	29 - 44 inches
Machine width	2, 3, or 4 feet
Total length	4, 5, 6.5, or 8 feet
Safety	Interlocked Lexan guard, lockable disconnect, e-stop
Infeed options	Spacing belts
Diverge lanes	Up to 9 lanes
Converge lanes	Up to 6 lanes
Standards	UL508 listed. Follows ANSI B155 for machine safety, NFPA 79 and NEC (where applicable).



PMMI MEMBER



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