

Zebra[®] Automatic Inductor



Zebra Automatic Inductor:

Mantissa's Zebra[®] Automatic Inductor establishes an entirely new standard of induction technology, adding brains without the headaches, as well as minimizing costly downtime. Through belt synchronization and acceleration, the Zebra ensures consistent placement of product onto the sorter. Mantissa's Destination[™] control software with integrated Profibus network establishes inline dimensioning and positioning of product, creating *intelligent induction*. Meanwhile Mantissa's patented Quick Change[™] belts eliminate the perennial headache of belt maintenance, reducing it to a mere three-minute task.

How It Works:

With intelligent induction, the unique characteristics of individual product are identified and dynamic parameters adjusted to achieve accurate placement. Each automatic inductor has a "rate/metering" stage where the belts effectively synchronize product speed with sorter speed, and an induction stage which ensures smooth, accurate positioning of the item onto the sorter. An integrated scale is available as an option.

The Zebra has been specifically developed to minimize downtime and simplify maintenance. The Quick Change belt technology is based on an innovative cantilevered bed design which allows belts to be changed in just seven easy steps. All major components of the Zebra are designed for ease of care and service.

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Benefits:

ENERGY EFFICIENT

- Sleep mode.
- High efficiency motor/drive combination.
- Simple direct drive eliminates gear boxes.

CUSTOM DESIGN IS STANDARD!

- Modular construction allows tailoring of inductor length, width and stages to accommodate specific product.
- Open controls architecture without any proprietary "black boxes".
- Single and multiple tray load configurations available.
- Throughput rates from 35 - 70 items per minute, dependent on product type, tray size, and sorter speed.

INTELLIGENCE

- Dynamic algorithms allow for a wider range of products that can be inducted.
- Monitoring of photo eyes, motors and induction status is real time, visually displayed and historically logged via Destination software.
- Seamless integration with auxiliary processes such as scanning (up to 6 sides), weighing, dimensioning/cubing, and labeling.

HIGH RELIABILITY / LOW MAINTENANCE

- Designed specifically for reduced downtime and ease of maintenance, saving time and money.
- Unique cantilevered bed design allows quick change of belts, rollers and drives.
- Auto tensioning prevents miss-adjustment, stretching and damage of belts.
- Quick disconnect fittings on all electrical connectors.
- Pre-programmed functional parameters on motors for easier/faster replacement.
- Aluminum construction dissipates heat and extends motor life.

APPLICATIONS

- Warehouse and Retail Distribution
- Internet Commerce and Mail Order Distribution
- Parcel Handling Systems
- Airport Baggage Handling Systems
- Manufacturing Facilities
- Newspaper and Mailroom Distribution Systems



See demonstration of Zebra Quick Change™ belts @ MantissaCorporation.com

Induction *Simplified*[™]