



SERVO MERGER

Automatic Merging of Product Lanes

Benchmark's Servo Product Merger can accept 2 or more lanes of randomly spaced product and automatically merge them into a single lane. This system is ideal for high-speed merging of products that cannot be backlogged. The Servo Product Merger incorporates the latest controls and a sturdy design into a ruggedly dependable machine built for efficient operation. Scheduled maintenance is made easy with minimal moving parts and easy access to key components. The Servo Product Merger reduces labor cost and minimizes repetitive motion. ROI is typically under a year.

FEATURES AND BENEFITS

- Efficient, reliable operation
- Quick, easy changeovers
- Intuitive operation
- Maintenance friendly
- Easy to clean
- No painted surfaces
- Short Term ROI
- Servo driven timing belts
- Stainless steel guards
- "On the Fly" adjustments
- Color touch screen operator interface

TYPICAL PRODUCT DIMENSIONS

Length: 2"-12"

Width: 2"-12"

Speed: Up to 350 ppm based on product dimensions

SPECIFICATIONS

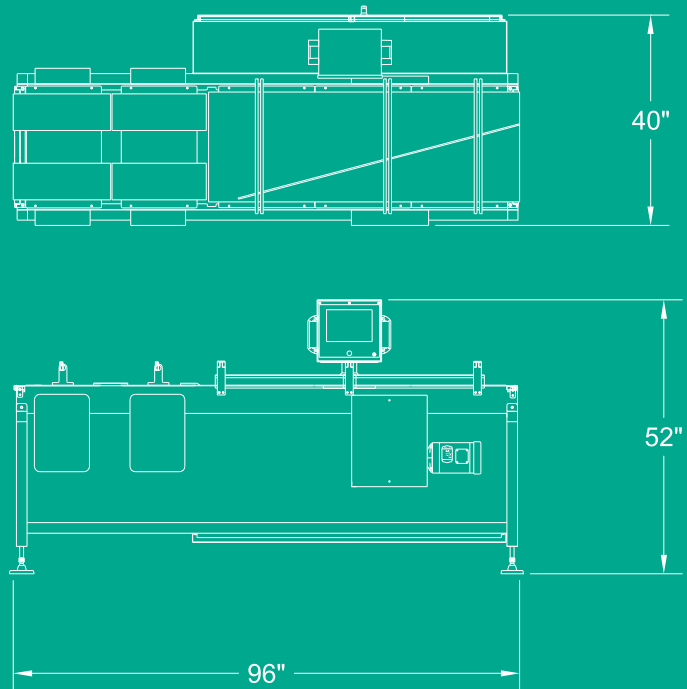
Power: 230V, 3PH, 60HZ, 15A

Controls: Motion control package with SERCOS interface, color touch screen operator interface and Independent servomotor drives for main machine functions.

OPTIONS

- Powered side belts for merging specific products
- Available in full washdown and USDA construction
- Allen Bradley or Bosch-Rexroth motion control package

CONFIGURATION



FLEXIBILITY

The Servo Product Merger is designed to make changeovers quick and easy. Most product changes can be performed without tools and completed in less than 5 minutes.

EASY TO OPERATE

Different recipes can be selected from the color touch screen operator interface which allows for simple machine adjustments. The Servo Product Merger's touch screen also has on board diagnostic feedback for performance readout and easier trouble shooting.

LOW MAINTENANCE DESIGN

The Servo Product Merger is designed for easy maintenance and sanitation with minimal parts that are easily accessible.

SHORT TERM ROI

The Servo Product Merger offers high-speed, non-contact product merging while reducing labor cost and repetitive motion. Low capital cost coupled with minimal installation typically results in a return on investment of under a year.

CONSTRUCTION

Our rugged design and attention to detail results in long equipment life.



Merger can be equipped with optional powered side belts for specific products.



The servo driven timing belts present product out-of-phase to the merging belt.