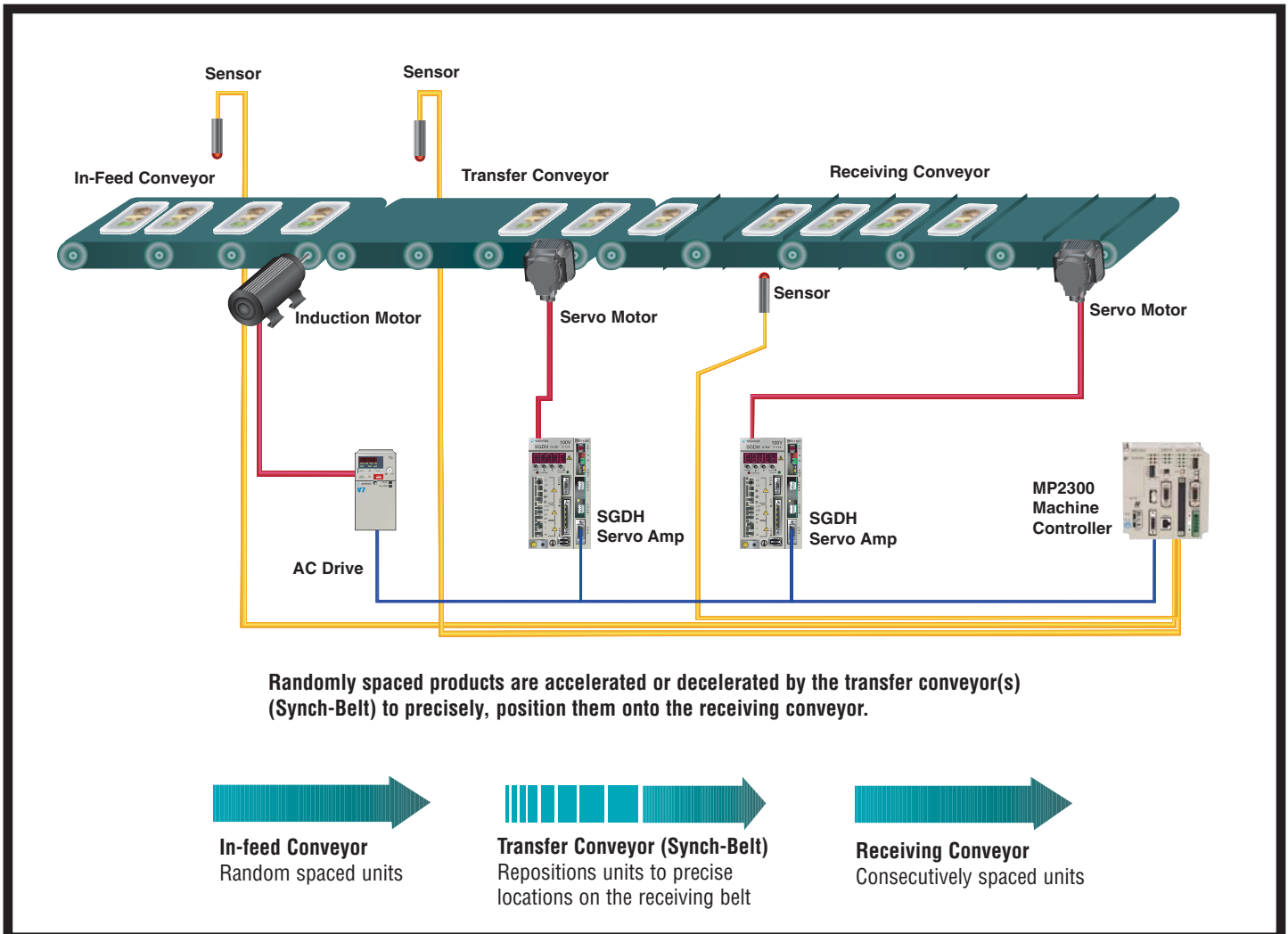


Synch-Belt Application Template



Yaskawa's Synch-Belt Solution Template is unique and robust. This complex application is made easy by Yaskawa's proven, fully developed solution package.

The result is dramatic reduction in the cost of ownership for a variety of applications in the Packaging Machinery and Material Handling industries, including Case Packers, Shrink Wrappers, Flow Wrappers, Cartoners, and more.

Synch-Belt offers unique advantages

The Synch-Belt application solution contains Yaskawa's patented, "Dynamic Smooth Path", complex motion technology. Smooth Path automatically creates ideal move profiles for each product on the conveyors. This assures

accurate, shock-free product placement without operator intervention. The ability of the Synch-Belts to transfer multiple products, on each conveyor, eliminates the need to modulate the speed of feed conveyors. Since products are fed at full production speed, output is significantly increased. Products are transferred more efficiently, so fewer transfer conveyors are required, reducing machinery size and cost.

This inherent ability to accurately phase multiple products on each conveyor also removes the major source of misfed product that causes downtime.

Features and Benefits

Feature

Pre-Engineered Application

Benefits

- Proven Code
- **Low Risk**
- **Fast Time to Market**
- Reduced Development Time and Cost
- Full Documentation

Feature

Reduces the Number of Conveyors

Benefits

- **Reduced Machine Size**
- **Reduced Cost**

Feature

Scalable Solution

Benefits

- Works with Servos and VFDs
- Integrates into Applications, Regardless of Complexity

Feature

Precise Registration of Product Position at Each Conveyor State

Benefits

- **Accurate Positioning** onto Receiving Conveyor

Feature

Works with or without Flights on the Receiving Conveyor

Benefits

- **Rapid Changeover** Between Product Sizes

Feature

Multiple Products can be on Synch-Belts During Position Moves

Benefits

- Unique Capability
- **Higher Throughput**
- Reduced Risk of Feeding Errors
- **Minimized Downtime** Occurrence
- Reduced Number of Conveyors are Required

Feature

Yaskawa's Patented "Dynamic Smooth Path" Technology is Embedded

Benefits

- **Minimized Shock**
- **Automatically Calculates Ideal Move Profile**
- **Only 4 Parameters to Enter**
- Adaptive

Feature

Program can be Modified by Customers

Benefits

- Can be **Customized** to Application
- **Security** Provisions Protect Customer Innovations

Feature

Number of Synch-Belts can Vary

Benefits

- Can be Scaled to Meet a Wide Variety of Applications

Wide Range of Products

- 10W - 90kW Rotary Servos
- Direct Drive Servos
- Linear Servos
- Inverter Drives
- I/O
- Motion Sequencers
- Programmable Motion Controllers
- Programmable Machine Controllers
- Robots



10W to 90kW

High Performance

- Deterministic Updates
- On-the-Fly Adjustments
- Precise Control of Complex Motion
- Tight Integration of PLC Sequence & Motion

Connectivity Options

- OPC Server
- Ethernet TCP/IP
- Profibus
- Deterministic Network Control – Mechatrolink-II (Servo, Direct Drive, Linear, I/O, VFD on one network)



MP2200



MP2300

For more information on Synch-Belt, visit: www.yaskawa.com and enter **synch-belt** in the search box.

For general information on Yaskawa Products, visit: www.yaskawa.com

For application support call **1-800-YASKAWA** and ask for Motion Application Engineering or contact your local Yaskawa distributor.

Locate your local certified distributor, visit www.yaskawa.com click on sales → servo and motion → motion control distributor