



SIBAG HSD II High-Speed Diverter

Enhanced Performance and Speed for
Automated Material Handling Sortation Systems

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SIBAG HSD II

High-Speed Diverter



The SIBAG HSD II from Siemens is an enhanced design that delivers maximum speed, accuracy and reliability for automated sortation systems. It's perfect for new installations, pusher replacements and direct bolt-in replacements of the original HSD model.

When in the divert position, the HSD II's paddles form a 45° vertical powered wall for the transfer of items from a main sortation line to a pier chute or takeaway conveyor. The system's smooth, low-impact operation requires less force—protecting items from damage and eliminating the need for deceleration curtains or pads.

Independent drive motors for the vertical paddle belts and paddle positioning boost throughput at lower conveyor speeds (compared to the original HSD) by maintaining high paddle-positioning speed.

An integrated variable frequency drive (VFD) provides simple speed adjustments for the vertical paddle belts, greatly improving control over bag orientation. Each unit is now suitable for use at all speeds.

The HSD II's unique design minimizes moving parts making it durable, reliable and easy to maintain.

Innovative design and engineering

- Powerful servo paddle-positioning drive
- Independent drive motors for vertical paddle belts and paddle positioning
- Encoder positioning feedback to eliminate use of proximity sensors
- Simple heavy-duty two-link positioning system
- Links configured to eliminate need for maintenance under the unit, resulting in a low installation height of 13" (330mm) from finished floor to top of bed.

For unmatched performance and results

- Sortation of up to 80 items per minute at 380 fpm (1.93 m/s)
- Performs down to 120 fpm (0.6 m/s) with integral 15° roller transition
- Higher throughput at lower conveyor speeds compared to the original HSD
- Smooth, low-impact operation protects sorted items
- Minimal space requirements and system reconfiguration to install

Specification highlights

- Models available for 37", 39", 41", 43" and 1050mm-wide conveyors
- Same 72" (1829mm) length and 12" (305mm) depth as original HSD
- Includes roller-transition plate, full-mechanism guarding and area safety guard
- Welded, structural steel frame construction
- Package size (for 39" wide belt) and weight limits
 - Length: 6" to 60" (152mm to 1524mm)
 - Width: 3" to 33" (76mm to 838mm)
 - Height: 2" to 30" (51mm to 762mm)
 - 144" (3658mm) maximum perimeter circumference
 - Weight: 1 to 132 lbs (0.5kg to 60kg)
- Temperature range: 14°F to 122°F (–10°C to 50°C)
- UL and CE compliant

Siemens is the industry leader in material handling and sortation technology. Put our experience and innovation to work for you today. To learn more, call us at 800-938-7378 or visit www.siemens.com/airports

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