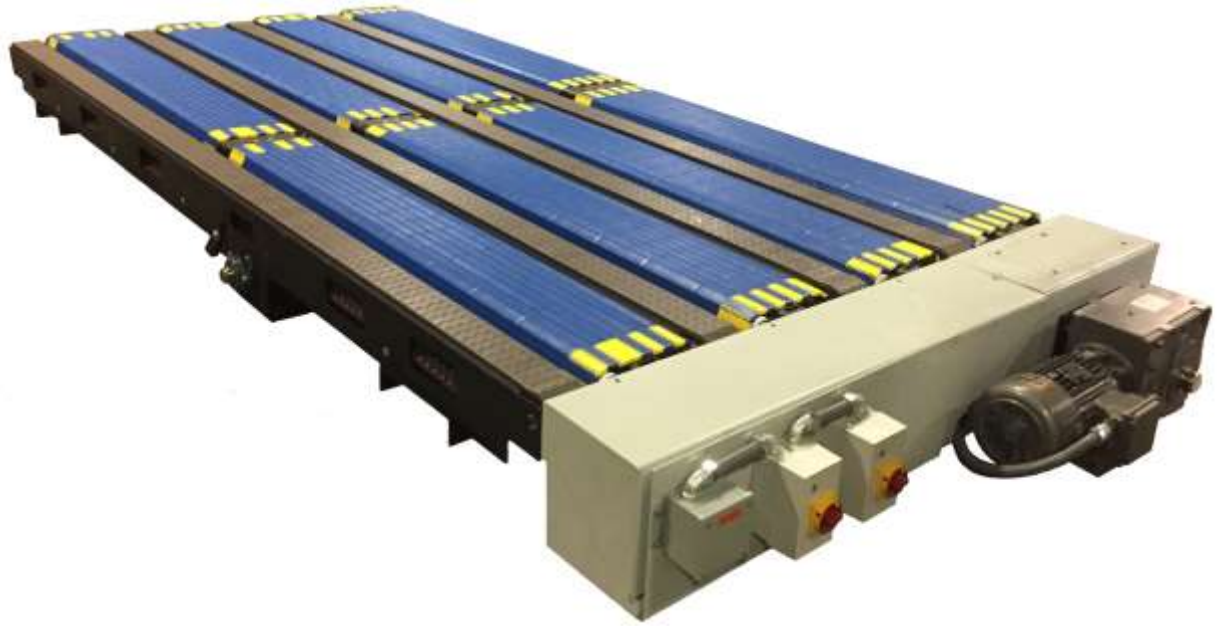
ACS ADVANTAGE: *CONTINUED INNOVATION*

# STEDI-STAK CHAIN TRANSFER



## *DESCRIPTION*

- **A Stedi-Stak Chain Transfer is used at various conveyor intersections to move a load on or off the side of a conveyor using 3- 1/4" wide durable USP modular chains designed not to damage bottom sheets.**
- **In place of traditional load-carrying rollers spaced between the transfer chains, flat belt panels with modular acetal belting is used to provide a steady load platform. NOTE: These belt panels are designed to run in one direction only.**
- **The USP transfer chains are normally below the surface of the belt panels. When activated, they lift, and the load is transferred on or off the chains to an adjacent conveyor or device.**
- **Chain Transfers, unlike other transfer devices do not have a return stroke. Thus, the cycle time of a Chain Transfer is lower than other transfer devices.**
- **All Chain Transfers can be operated manually or integrated into an automatic conveyor system. A control console is provided for safety functions, manual operation and selection of automatic modes of operation.**

## *FEATURES*

- **Durable modular USPG load-carrying chains with individual chain take-up utilize pulleys in place of sprockets to minimize friction, eliminate chain derailment and insure that all exposed pulley and chain pinch points have been eliminated.**
- **Small nosing radii allow transfer of smaller loads with smooth transition to adjacent devices.**
- **Factory installed pneumatic system includes air spring actuators with adjustable air flow valves to control speed descent of loads.**
- **Acetal plastic belting offers a stable load surface while providing low friction, high tensile strength, and excellent resistance to wear without the need for lubricants.**
- **A 2 HP flange-mounted gear motor drives the Stedi-Stak belt panels while a 1.5 HP helical worm gear motor drives the USP transfer chains.**
- **Pre-wired drive motors include safety lockouts.**
- **Made with precision CNC cut and punched components.**

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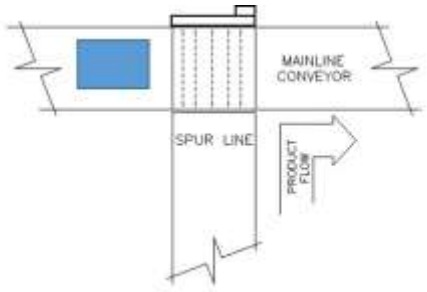
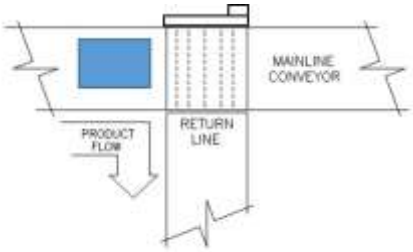
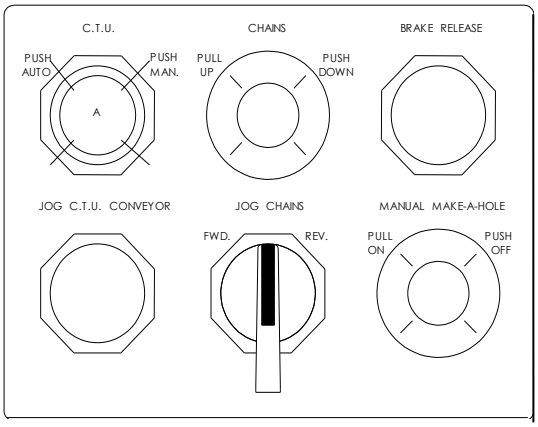
## STEDI-STAK CHAIN TRANSFER LAYOUTS



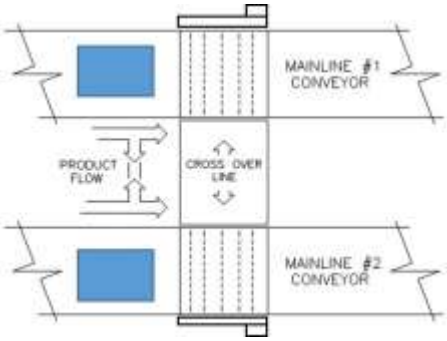

STEDI-STAK CHAIN TRANSFER AS MAINLINE ENTRY




STEDI-STAK CHAIN TRANSFER AS RETURN LINE




TYPICAL CONTROL CONSOLE LAYOUT




STEDI-STAK CHAIN TRANSFER AS CROSSOVER CONVEYOR

**The typical control console *(left)* contains manual override controls and is located at the intersection for easy access. Numerous types of priority intersection controls are available and those controls can be additions to this control console.**

## SPECIFICATIONS

| | |
|---|---|
| **Between Frame Widths:** | 48”, 60”, 72”, 84”, 96”, 108”, 120” (1.2m, 1.5m, 1.8m, 2.1m, 2.4m, and 3.0m)<br>***Note:*** Various widths can also be used in combination for extra-wide applications. |
| **Standard Length:** | 6’-3” (2.0m) Standard. Call factory for additional possible lengths |
| **Maximum Height:** | 11 ½” (29.2cm) Top-Of-Belt - Adjustable foot pads to achieve standard 12” (30.48cm) Top of Belt |
| **Transfer Chain Material:** | 3- 1/4” (8.26cm) wide USP plastic modular chain comprised of 1” (2.54cm) segments joined by lacing rods. |
| **Stedi-Stak Belting Material:** | Acetal plastic solid platform comprised of 1” (2.54cm) segments joined by lacing rods with nylon retaining pins. Acetal plastic offers super low friction, height tensile strength and excellent resistance to wear on continuously highly-loaded conveyors. |
| **Load Rating:** | Maximum recommended load is 3,500 Lb. (1588kg) per conveyor section assuming load is distributed across all transfer chains. |
| **Conveyor Speed:** | 40 FPM (12 MPM), standard belt speed with various other speeds to suit application |
| **Transfer Chain Gear Motor:** | 2 HP Flange-mounted gear motor directly coupled to the drive shaft with sprockets driving all chain panels. |
| **Stedi-Stak Bed Gear Motor:** | 1.5 HP Flange-mounted gear motor directly coupled to a square drive shaft with sprockets. |


ACS
Automated Conveyor Systems, Inc.

**P.O Box 4499 * 6 Millrace Drive**
**Lynchburg, Virginia 24502-0499**
**Phone (434) 385-6699 * Fax: (434) 385-9404**
**Website: www.acsconveyor.com**