

ACS ADVANTAGE: *INNOVATIVE TECHNOLOGY* **STEDI-STAK CONVEYOR**



DESCRIPTION

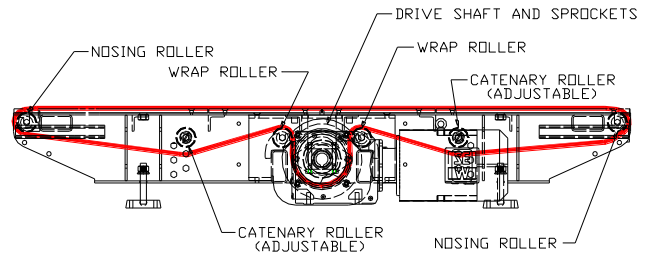
- Stedi-Stak is a state-of-the-art modular plastic chain conveyor system. It provides a solid traveling surface for unit loads and offers many advantages.
- Each section of the conveyor is powered independently allowing simultaneous stack movement and load building. Gaps between adjacent sections have been significantly minimized to provide greater load stability and insure transfer of even the smallest stack sizes.
- The Stedi-Stak can be used for most folding carton and corrugated conveying applications. It is ideally suited to corrugator outfeed and machine infeed sheet staging systems. Though well suited for use in processes not utilizing pallets, its high level of durability allows it to also perform well in applications requiring finished goods pallets.

FEATURES

- Minimum gap between chains offers smooth transfers while stack vibration is reduced to a minimum.
- Eliminates need for expensive lubricants.
- No pallets necessary. Eliminates interlocking sheets and bottom sheet damage.
- Automation degree is greatly increased while significantly reducing noise.
- Narrow loads are safely conveyed.
- Lower repair costs and downtime. Chains can be repaired without moving the conveyor.

STEDI-STAK CONVEYOR

TYPICAL CHAIN PATH



TYPICAL STEDI-STAK CONSTRUCTION



(Left) Detail of different types of Stedi-Stak. Lacing Rods are inserted to join the chain segments. *(Right)* The chain wraps around equidistantly-spaced sprockets along the drive shaft.



(Left) Detail of a typical Stedi-Stak platform. The tight turnaround of the chain reduces the gap between conveyors to a minimum. *(Right)* Gear motor directly coupled to the drive shaft using a key way.



SPECIFICATIONS

Between Frame Bed Widths:	48", 60", 72", 84", 96", 120", 132" Standard. (122cm, 152cm, 183cm, 213cm, 244cm, 305cm, 335cm) Note: Various widths are used in combination for extra-wide conveyor.
Lengths:	Minimum 3'0" (91.5cm) and up depending on frame width and required HP Typical: 7' 0", 10' 0", and 12' 0" (213cm, 305cm, and 366cm) Standard – other lengths available.
Chain Material:	Acetal plastic solid platform comprised of 1" (25.1mm) segments joined by lacing rods with retaining pins. Acetal plastic offers super low friction, high tensile strength, and excellent resistance to wear on continuously highly-loaded conveyors.
Load Conveyance Rating:	Typically 90 Lb/Ft ² (439.4 Kg/m ²). See the table on the following page.
Conveyor Speeds:	40 and 60 FPM (feet per minute) Standard (12 and 18 MPM) Speed Options vary by application.
Drive Components:	Shaft-mounted gear motor directly coupled to a square drive shaft with sprockets. Power varies from 2 HP to 5 HP. 24-Volt Controller available at no additional cost.
Product Construction:	Rugged frame is precision CNC cut and formed 1/4" (6mm) sheet metal.

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STEDI-STAK CONVEYOR

¹LOAD CONVEYANCE RATINGS

HEAVY DUTY GEAR MOTOR	FEET PER MINUTE (METERS PER MINUTE)	MAXIMUM WEIGHT POUNDS (KILOGRAMS)
2 HP	40 FPM (12.19 MPM)	9,000 LBS. (4082 KG)
	60 FPM (18.29 MPM)	6,000 LBS. (2722 KG)
3 HP	40 FPM (12.19 MPM)	13,500 LBS. (6124 KG)
	60 FPM (18.29 MPM)	9,000 LBS. (4082 KG)
5 HP	40 FPM (12.19 MPM)	22,500 LBS. (10,206 KG)
	60 FPM (18.29 MPM)	15,000 LBS. (6804 KG)