LIVING **LOGISTICS**

NBS®90

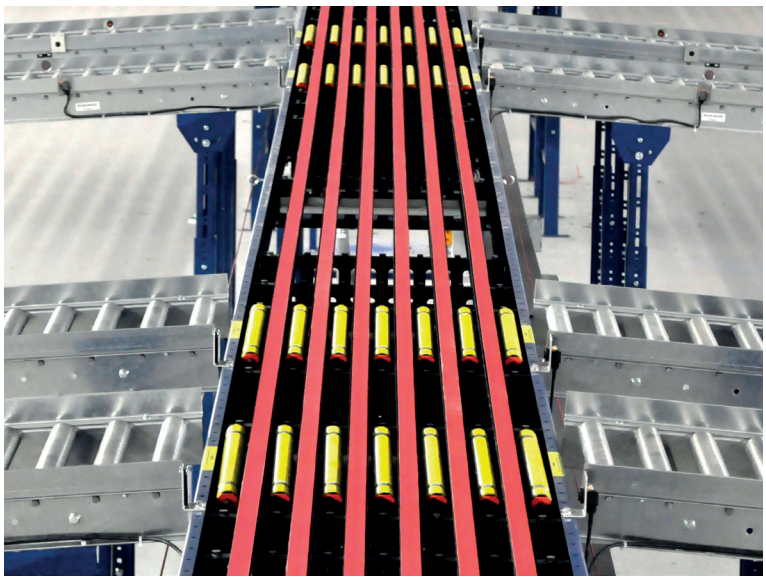
Narrow Belt Sorter

Reliable, accurate 65 cpm sortation

TGW Systems NBS 90 conveyor employs a series of narrow belts, each with a patented individual take-up. High-friction rollers raise to grip and gently divert products at a **90-degree angle right or left**, on-the-fly.

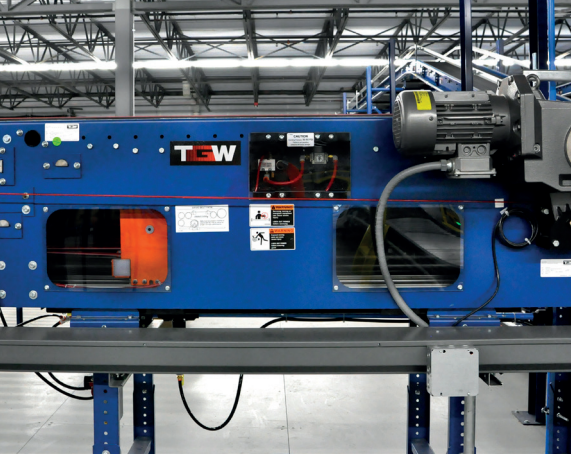
Continuous contact between belt and product provides maximum tracking accuracy, for optimum sort reliability.

The NBS 90 carries products at speeds up to **300 feet per minute** and achieves a sort rate of up to **65 cases per minute** (single side).



Diverts in the NBS 90 experience less product tipping and skewing, and overall superior diverting characteristics. Unstable products are successfully diverted with the exclusive limited slip-clutch design, that provides a small acceleration ramp for diverting.

Energy consumption of the TGW NBS is over 87% less than belt with pop-up wheel sorter with a conventional sorter construction. This **energy savings** translates into **less noise**, belt pull, and component wear. Energy usage is 60% less than for conventional sorters. In addition, installation time for NBS sorters is close to half of conventional sorters.



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NBS diverts are easily repositioned to suit the application or to reconfigure. Belt mistracking is eliminated with the total belt retention system. Maintenance requirements are minimal.

FEATURES:	BENEFITS:
Divert modules mounted to continuous slide rail	Repositioning in the field is simple
Separate drive for divert modules	Divert right and left, saving space
High-friction rollers	Positive acceleration and divert rate
Picks up products “on-the-fly”	Maximize sort rate
Products are conveyed on belt until sorted	Increased accuracy of diverts
Compact design of divert module	Close center of divert point
Individual belt take-ups	Smooth product flow, long belt life
Exclusive limited slip-clutch design	Reliable, consistent diverting of unstable products
Low belt pull	Energy savings, longer life, less heat

U.S. Patent 7,581,632

TGW Systems is a worldwide leading supplier of highly dynamic automated equipment used to transport a wide variety of products. TGW Systems manufacturers one of the industry’s highest quality conveyor and sortation technologies which are sold through a network of factory trained authorized Distributors, who partner with TGW Systems to strengthen their efforts of providing a complete integrated logistical package that meets the end user’s needs.

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