

NBS®

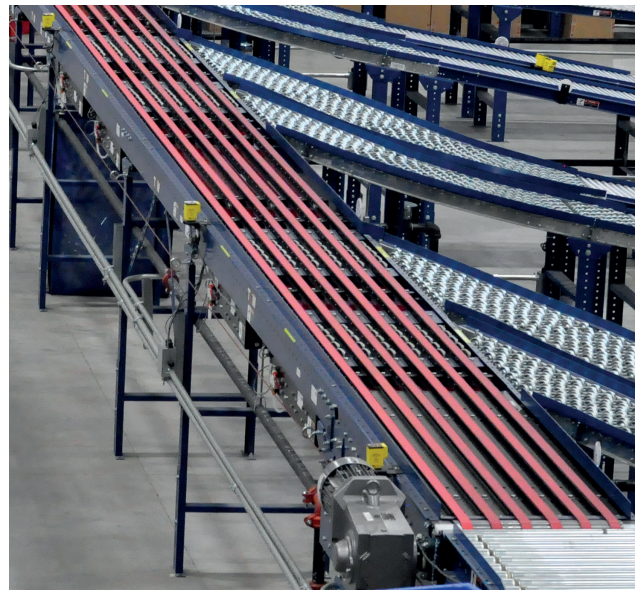
Narrow Belt Sorters

NBS proven advantages over conventional sorters

Unique NBS conveyors are specifically designed for quiet operation. Features such as, several narrow belts instead of one wide belt, belts running in a track, elimination of drive mechanisms at divert points, minimal belt snubbing at 30 degree divert points, optimum belt tension on each narrow belt with patented automatic belt take-up, and no product-to-roller noise at any divert point contribute to a sorter so quiet that actual sound pressure measurements are 75% less than those for conventional sorters.

Minimizing energy consumption is good business practice. The NBS design features described above not only reduce noise, but also contribute toward lowering horsepower requirements. In addition, NBS pneumatics consumes a very small quantity of air. These are all factors contributing to NBS energy consumption of at least 60% less than conventional sorters.

During the last 10 years, energy consumption of TGW Systems NBS product line has been reduced by 87.5% compared to the conventional sorter construction of belt with pop-up wheel diverts. There are over 1,500 TGW Systems NBS sorters in operation today.





NBS®

Shorter installation time always improves schedule attainment and reduces cost. Advantages such as, large number of pre-assembled components, no requirement for belt tracking, easy repositioning of transfers, and simple modular construction enable NBS installations to be completed, including commissioning, in half the time required to install conventional sorters.

FEATURES:	BENEFITS:
Main conveyor drives divert wheels on NBS 30	Minimum power consumption and operating cost, best-value capital investment
Product is conveyed along entire length on belt	Quiet operation, increased accuracy of diverts
Simple design	Ease of maintenance
Individual belt take-ups	Smooth product flow, long belt life
Modularity of divert mechanism	Quick, easy reconfiguration of system
Pick up product “on-the-fly” on NBS 90	Maximize sort rate
2 sided sorting for both 30° & 90° units	
Optional, pre-aligner	
3-row, 5-row, and 7-row options	

U.S. Patents 7,581,632
U.S. Patents 6,843,365

TGW Systems is a worldwide leading supplier of highly dynamic automated equipment used to transport a wide variety of products. TGW Systems manufactures 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.



TGW Systems
6870 Grand Haven Road
Spring Lake, MI 49456-9652 USA
T 231-798-4547

