



## ENERGY EFFICIENT, VERSATILE, AND GENTLE 90° TRANSFERS

Designed for use with MHS Conveyor IntelliROL product line with regards to versatility and flexibility.

MHS Conveyor has configured many variations to meet specific customer requirements. The Urethane Belt Transfer (UBT) sends or receives product to/from either side of the transfer. Available in pneumatic or electric lifts.

UBT's can be used to receive product from another conveyor or adjacent workstation or dispatch product to those positions, making them extremely popular for work-in-progress applications.

UBT's can also be used as part of an economical sortation system, achieving sort rates of up to 30 products per minute.

All UBT's nestle neatly within the compact 12" deep conveyor frame and the urethane transfer belts are driven by the two motorized rollers independent of the carrying rollers. No additional drives are required to power the transfer, even the bi-directional design. The transfer belts are 15/32" flat belts, and are available for full width transfer, making the UBT exceptionally safe.

## STANDARD SPECIFICATIONS

### Bed Lengths

5-Strand = 36" nominal

6-Strand = 40" nominal

### Bed Widths

Beds are available in 16", 22", 28" and 34" BF.

### Drive Rollers

ITOH FE-60 with a maximum of 30 Start/Stop cycles per minute. MDRs are mounted below the carrying rollers. There are 2 motorized rollers for the transfer belts and one motorized roller for the carrier rollers.

### Idler Rollers

Rollers are 1.9" O.D. 16 ga. plated shell with ABEC-1 precision bearing and 7/16" hex spring loaded axle. The charge and discharge roller centers vary but the interior rollers surrounding the transfer belts are on 4" centers. Product compatibility should be based on this dimension.

### Transfer Capacity

75 lbs. total load

### Product Height

Minimum product height is 1.5" due to photoeye location. (Optional)

### Orientation

Right hand and left hand flow is standard.

### Transfer Belts

Full width transfer belts, 15/32" flat urethane for all widths. The transfer belts are mounted on 4" centers. For the 6 belt transfer the gap between the two sets of 3 belts is 7-5/8". **Belts should run ONLY while transferring load.**

### Roller Drive Belts

High drive 3/16" diameter urethane

### Accessories / Optional Equipment

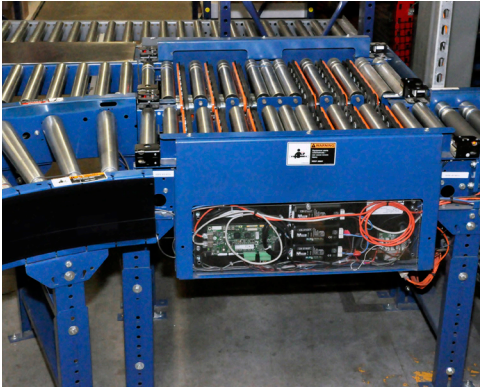
- Add (4) mounted and wired photoeyes and reflectors for product position sensing
- UBT side guardrail
- 110V Solenoid for pneumatic lifts

### Paint

Components located within the framework are painted black. All other components are painted job color. All MHS Conveyor paint is powder coated.

## CUT SHEET

# IntelliRol® Urethane Belt Transfer



The UBT includes standard features such as low maintenance air bags and precision linear bearings that guide the transfer as it raises and lowers, ensuring that the transfer surface remains level to minimize product skewing.

Features	Benefits
No additional motor required to power transfer, including bidirectional UBT	Energy efficient, quiet, lower operating cost
Simple design, no high-wear points	Ease of maintenance
True vertical lift	Keeps transfer level, minimizes product skewing
Bi-directional unit transfers right or left on command	Versatile, low cost, best value
High drive belts	Safe operation
Belts only run when transferring load	Peace of mind

## ABOUT MHS CONVEYOR

MHS Conveyor is a leading worldwide supplier of dynamic, high-quality automated conveyor and sortation technologies used to transport a wide variety of products. MHS Conveyor manufactures high-quality equipment, sold through a partner network of factory-authorized distributors as part of complete, integrated logistics solutions engineered to meet the needs of each customer.

### MHS Conveyor Corporation

1300 E. Mt. Garfield Road  
Norton Shores, MI 49441  
231.798.4547

[mhs-conveyor.com](https://mhs-conveyor.com)

