

Flex-Turn[®] Conveyors

Compact design solves tight production line space problems.

Field-proven and dependable Flex-Turn[®] units gently convey products in process around corners while maintaining proper product alignment. They offer the tightest level transfer and smallest inside turning radius available with an open mesh belt. Smooth, non-collapsing product handling minimises potential damage to delicate products. The compact design solves tight production line space problems.



Advantages

- Gentle handling minimises product damage
- Tight transfers with adjacent conveyors and processing equipment
- Maintains product orientation and spacing around turns
- Unique non-collapsing tapered-pitch belt
- Easy to use, clean, and maintain
- Stainless steel and UHMW-PE construction
- Height adjustable standard 870 – 1070mm
- Swivel lockable castors are available
- Typical belt speeds up to 11 metres per minute (at inside edge)

The Flex-Turn[®] range offers choices of size, belt width and configuration, providing a turn conveyor to suit almost every situation. Turns through 90° or 180° are standard, though other angles from 45° to 180° are available.

Our Flex-Turn conveyors are available with three different belt supports:

- The Series 600 Flex-Turn[®] conveyor is an open, stainless steel framed turn conveyor with polyethylene belt supports. This open structure allows for the easy removal of debris and facilitates washing and draining.
- The Series 700 Flex-Turn[®] conveyor has a solid polyethylene top. This prevents the product from falling through or becoming entangled with the strands of the belt.
- The Series 800 Flex-Turn[®] conveyor has a solid stainless-steel top, with stainless steel running rails. This option is particularly suited in some meat processing situations.

Specifications

- Thirteen different sizes of belt available, with left- or right-hand options
- Range of angles from 45 to 180 degree
- IP66 enclosure protection available for motors & controllers
- OS2 surface protection available for drive motors
- Variable frequency drive (VFD) available
- Control panel featuring a fully stainless-steel enclosure and emergency stop function
- Invertek E3 optidrive controller, plastic enclosure optional
- Height adjustable footpads with fixing holes

Material

Conveyor frame construction from stainless steel.
Support surface is high density food grade blue polyethylene.

Available Sizes

Model 616, 716 & 816 specifications with 406mm inside radius

- Available belts widths 254, 406, 610, 864, 1092 and 1270mm
- Handles loads up to 12 kg/sq. metre at belt speeds typically from 3 to 11 metres per minute at the inside radius.
- Wire belt used is Flat-Flex[®] stainless steel tapered mesh approximate 10mm pitch at inside radius and up to 19mm at outside, wire diameter 1.83mm.
- Transfer roller diameter is 38mm

Model 632, 732 & 832 specifications with 812mm inside radius

- Available belt widths 381, 622, 864mm
- Handles loads up to 12 kg/sq. metre at belt speeds typically from 3 to 11 metres per minute at the inside radius.
- Wire belt used is Flat-Flex[®] stainless steel tapered mesh approximate 10 mm pitch at inside radius and up to 19 mm at outside, wire diameter 2.08 mm.
- Transfer roller diameter is 38mm

Model 680, 780, & 880 specifications with 800mm inside radius

- Available belt widths 400, 600, 900, & 1000mm
- Handles loads up to 9 kg/sq. metre at belt speeds typically from 3 to 11 metres per minute at the inside radius.
- Wire belt used is Flat-Flex[®] stainless steel tapered mesh approximate 6.5 mm pitch at inside radius and up to 10.5 mm at outside, wire diameter 1.6 mm.
- Transfer roller diameter is 25mm

