

## Conveyor transport belts

### With cut-piece collection

Our flat belt conveyor systems are designed to transport cut pieces away from one of our Servo-Torq® rotary cutters. They can also incorporate various methods of collecting cut lengths.

#### The main benefits to the user are:

- Automatic cut-piece collection to reduce labour requirements.
- Improves cut length accuracy by supporting extrusion as it is cut.
- Wide range of belt lengths and widths available.
- Suitable for plastic, rubber or medical products.
- Can handle linespeeds up to 265 m/min.
- Standard or medical grade FDA approved belts.
- Central rear spine for guaranteed straight running of the belt.



Model 331/2.5 conveyor with plough collection system

#### Mode of Operation

##### Model 331 cut-piece collection system

Automatic collection of cut pieces can save serious amounts of labour and money. That is why we have developed a range of transport, ejection and sorting systems.

The range is built around our standard conveyor take-off transport belts. These are available in lengths from 1000 mm to 6000 mm. Depending upon the product type handled, either high velocity air jets or high-speed mechanical sweep arms are used to eject the extrudate off the belt.

These systems save labour in packing & handling. One operator can handle a number of lines. The collection systems can also be programmed to meet differing production needs.

An exit conveyor belt will also improve cut length accuracy by fully supporting the extrudate as it exits the cutter. It reduces problems caused by product stretch and the uncontrolled exit of cut pieces from the cutter.

As an option the belt speed can be synchronised to that of the caterpillar infeeders/haul-off.



Model 331/3.8 conveyor with air eject collection system

Conveyor collection systems			
Model	Belt size - width x length (mm)*	Motor size (kW)	Collection methods available
331/1.0	50 wide x 1000 long	0.18	Transport belt only
331/1.5	75 wide x 1500 long	0.25	Air, plough or push arm
331/2.5	75 wide x 2500 long	0.37	Air, plough or push arm
331/3.8	75 wide x 3800 long	0.37	Air, plough or push arm
331/4.8	75 wide x 4800 long	0.55	Air, plough or push arm
331/6.0	75 wide x 6000 long	0.55	Air, plough or push arm

\* Alternative belt widths are available to match cutter capacities beyond 75 mm outer diameter.



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