

## Air blast cut-piece collection conveyor belt systems

Our flat belt exit 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.



### Mode of Operation

#### Model 331 cut-piece collection system

A conveyor belt positioned after the cutter will automate cut piece collection. It also gives improved cut length accuracy & cut quality, by supporting the extrudate as it exits the cutter. They can also improve quality by automatically separating scrap lengths from good product.

The most popular type of collection system is the high pressure air jet option, where cut lengths are blown off the side of the belt.

The air nozzle design spreads the air blast over the widest belt area, to ensure a smooth discharge of the cut length into the collection bin. The nozzles are also adjustable in direction so they can be moved to handle different sizes & weights of extrusion.

The activation of the air & the duration of the air blast are controlled from the cutting machine.

Multiple collection bin systems can be configured, with separate zones for collecting scrap lengths.



Conveyor collection systems:			
Model	Belt size - width x length (mm)*	Motor size (kW)	Collection methods available
331/0.5	50 wide x 500 long	0.12	Transport belt only
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

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