

# Conveyor Belt Take-offs

## With cut-piece collection systems



Gillard 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 Conveyor Take-off range**

Automatic collection of cut pieces can save serious amounts of labour and money. That is why Gillard 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 1500—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 infeder/haul-off.



*Model 331/3.8 Conveyor with air eject collection system*

### Model 331 Conveyor Take-off Range

| Model   | Belt size - width x length (mm)* | Motor size (kW) | Collection methods available |
|---------|----------------------------------|-----------------|------------------------------|
| 331/1.5 | 75 wide x 1500 long              | 0.37            | 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              | 0.37            | 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 50 mm outer diameter.



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