

# FEEDWORM DRIVE UNIT

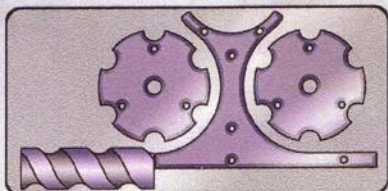
The Feedworm drive unit is fully adjustable both horizontally and vertically it is designed with ease of fitting in mind. It can be mounted on either side of your conveyor. The unit can be manufactured to fit your space requirements with a wide range of lengths from as small as 150mm long screw to 2 metre long screw. The long feedscrew can have positional pauses to allow multiple timed operations over its length.

Drive is provided by a compact variable speed 90 watt motor/gearbox combined with a variable speed controller. Single phase operation is at 230v 50Hz. The motor can be mounted at either the infeed or outfeed of the drive unit. Top speed is dependent on the gearbox, standard units are max 80 rpm with options up to 350 rpm. It should be noted that a single start screw will release one bottle each revolution whilst a two start screw will release two bottles per revolution.

The Feedworm drive unit can be attached to any standard conveyor to provide a number of product flow options for product being conveyed in the production environment.



- Line flow control (regulation)
- Spacing of product on the conveyor
- Bottle stop
- Driving product over dead plates
- Driving product through bottle invertors
- Synchronising entry to machine (timing)
- Orientation
- Line merging
- Singulating

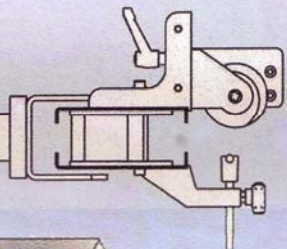
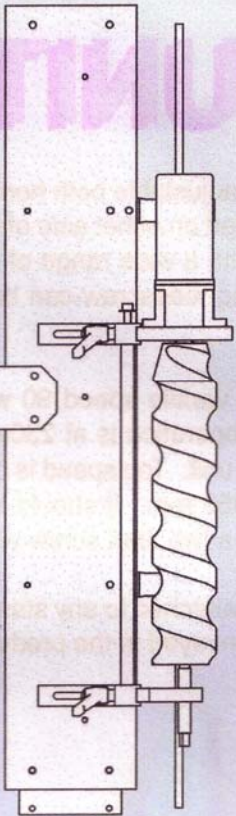
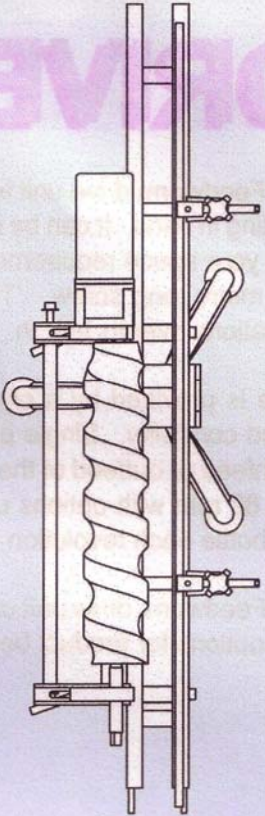


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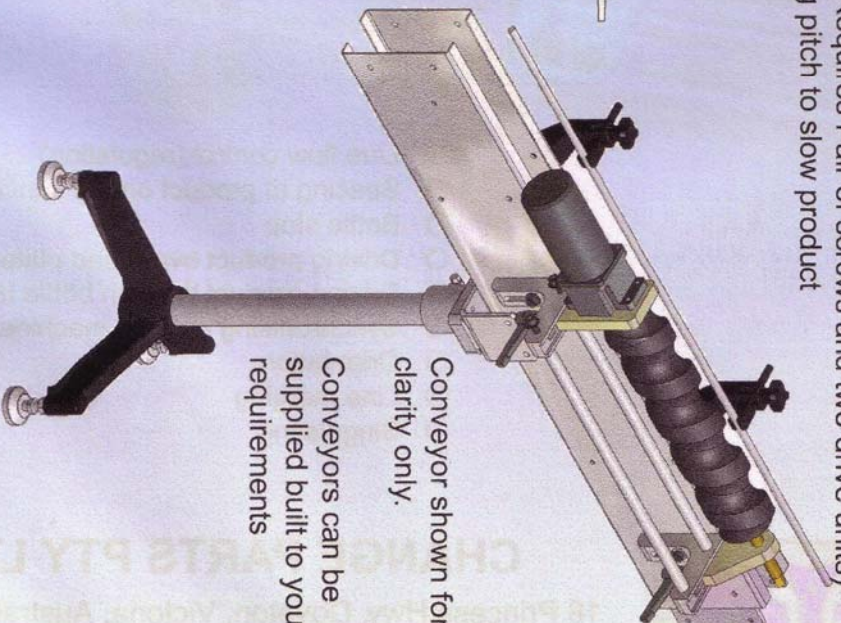
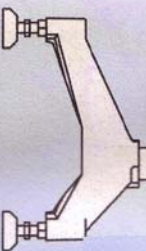
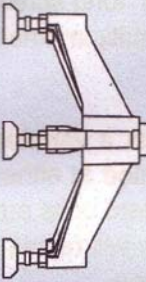
## VARIABLE SPEED WORM SCREW DRIVE UNIT

- Variable pitches to slow or speed up product
- Pauses to momentarily stop for an action to take place
- Accelerating pitch to space product
- Two start feedscrews
- Orientation (Requires Pair of screws and two drive units)
- Decelerating pitch to slow product



Some options may require two drives and worm feeds working together.

The various Feedworm designs listed above can be used to achieve the applications listed on the previous page.



Conveyor shown for clarity only.

Conveyors can be supplied built to your requirements