

Delfi Feed Placer

Placing your production directly into wrappers or thermoformers with vision-guided high-speed Delta Robots



FAST:

- Up to 400ppm placed directly into the lug chain of a wrapper

DELICATE PRODUCT HANDLING:

- Placing product directly into the lug chain of a wrapper with no product guiding required
- vacuum cup end-effectors or light-touch grippers

FLEXIBLE:

- Product change-over in 5 minutes with inexpensive change-over parts
- Grippers designed to pick up almost any kind of product
- Randomly positioned and randomly orientated products are placed with precision
- Adapts to changes in production flow

COMPACT:

- 1.7 X 2 m (4.5 X 6.5 ft) foot-print: 800 mm belt
- 2 X 2 m (6.5 X 6.5 ft) foot-print: 1300 mm belt

LOW MAINTENANCE ROBOTICS:

- Designed for 3-shifts a day operation
- Fixed position motors and no bending wires for longer life and higher speeds
- Composite materials for strength and long life
- No lubricants and no gear boxes
- Robot arms are collapsible and remountable in 2 minutes

COLOR TOUCH SCREEN HMI:

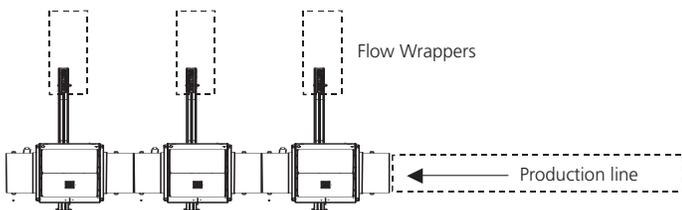
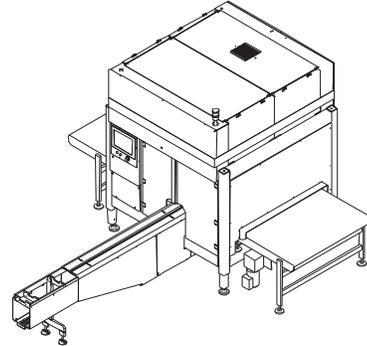
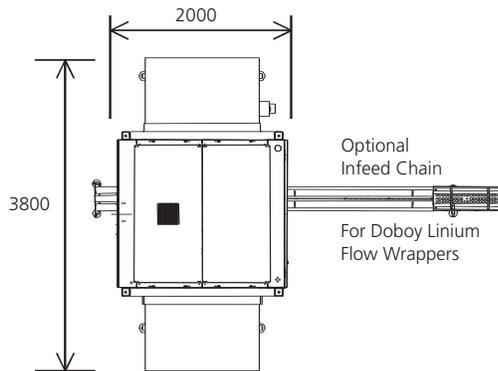
- Intuitively menu driven windows to set-up, change-over, and run different productions

EXPERIENCE:

- Over 600 patented parallel axis Delta Robots in production today

Delfi Feed Placer Technical Information

DELFI FEED PLACER LAYOUT:



PRODUCT RANGE:

- Capable of handling a wide variety of products in the following product range:

| | Minimum | Maximum |
|---------|-----------------|-----------------|
| Length: | 20 mm (0.8 in) | 150 mm (6 in) |
| Width: | 15 mm (0.6 in) | 120 mm (4.7 in) |
| Height: | 1 mm (0.04 in) | 60 mm (2.4 in) |
| Weight: | 10 g (0.022 lb) | 1 kg (2.2 lb) |

PRODUCT INPUT REQUIREMENT:

- Belt conveyor transfer interfacing Delfi standard belt widths of 800 mm or 1300 mm

FEEDING WRAPPER REQUIREMENTS:

- A specially designed infeed is required and is an available option with the Dobby Linium wrapper family

FEEDING THERMOFORMER REQUIREMENTS:

- 800 mm maximum production width
- 800 mm maximum film width

OPTIONS:

- 1, 2 or 3 robots depending on the speed requirements (130, 260 or 400ppm)
- Multiple Delfi Feed Placers in series
- Stacking products in a flight of the lug chain
- Rotate the product to the correct orientation during the pick-and-place
- Feeders for placing blisters or U-boards in the flights of the lug chain
- Feeding a thermoformer in place of a wrapper

Robot speed is dependent on product size and weight. Not all products that fit in the product range can be packed at the maximum cycle speed. Check with sales support to determine the maximum cycle speed for your application. Technical information is subject to change without notice.

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