
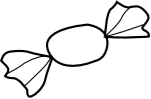
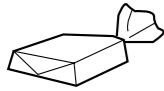
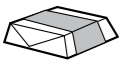


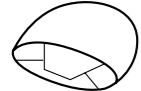
Technical Specifications

Model type	Size range	Maximum speed	Power (Inc. Feeder)	Machine weight	Compressed air
Twist on top 	Round products Diameter: 18 - 30mm Height: 20 - 25mm Squares/Rectangles Length: 18 - 30mm Width: 18 - 30mm Height: 20 - 25mm	250-300/minute Variable by AC Invertor	4kW	2000kgs	0.2 m3 @ 6 BAR

Model type	Size range	Maximum speed	Power (Inc. Feeder)	Machine weight	Compressed air
Double twist 	Round products Diameter: 18 - 30mm Height: 5 - 25mm Squares/Rectangles Length: 15 - 75mm Width: 15 - 35mm Height: 5 - 25mm	250-300/minute Variable by AC Invertor	4kW	2000kgs	0.2 m3 @ 6 BAR

Model type	Size range	Maximum speed	Power (Inc. Feeder)	Machine weight	Compressed air
Single twist 	Round products Diameter: 18 - 30mm Height: 5 - 25mm Squares/Rectangles Length: 15 - 75mm Width: 15 - 35mm Height: 5 - 25mm	250-300/minute Variable by AC Invertor	4kW	2000kgs	0.2 m3 @ 6 BAR

Model type	Size range	Maximum speed	Power (Inc. Feeder)	Machine weight	Compressed air
Fold 	Squares/Rectangles Length: 15 - 75mm Width: 15 - 35mm Height: 5 - 25mm	250-300/minute Variable by AC Invertor	4kW	2000kgs	0.2 m3 @ 6 BAR

Model type	Size range	Maximum speed	Power (Inc. Feeder)	Machine weight	Compressed air
Bunch 	Round products Diameter: 12 - 40mm Height: 8 - 30mm Squares/Rectangles Length: 18 - 50mm Width: 18 - 35mm Height: 5 - 25mm	250-300/minute Variable by AC Invertor	4kW	2000kgs	0.2 m3 @ 6 BAR

Optional extras:

- Photoelectric cell registration unit
- Automatic paper reel splicing
- Product counter
- Heater to seal folded packs
- Hot melt glue system for folded packs
- Labelling device
- Discharge conveyor belt
- Date coder



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'Multiwrap' chocolate wrapping machine





'Multiwrap' chocolate wrapping machine

The 'Multiwrap' is an extremely versatile machine suitable for packaging moulded and enrobed chocolates.

As a result of its modular construction, the machine can be quickly and easily adapted to various packaging styles, such as single and double twist, fold, 'twist on top' and 'bunch' wrap.

The machine can handle both solid and centre-filled products with round, square, rectangular, oval and domed shapes.

The machine has been designed for ease of operation, low running costs and flexibility.



Sequence of operations:



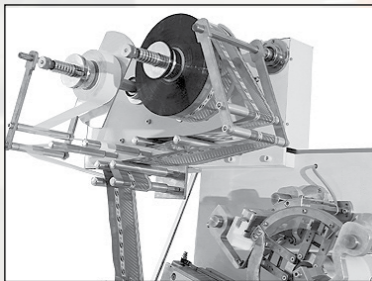
The products are manually placed onto the infeed belt of the aligner-feeder, usually from a plaque. They can alternatively be fed from an automatic belt conveyor system, fed directly from the enrobing or moulding plant.

The aligner arranges the products into a single row and carries them to the infeed belt of the wrapping machine. Photo-electric sensors along the length of the infeed maintain the correct number of products on the belt, thereby providing the optimum feed whilst at the same time alleviating pressure and damage to the product.

When the sensors detect a product in position the paper reel system is automatically activated, thereby keeping wrapper wastage to a minimum. A pair of servo-driven paper feeding rollers delivers the correct length of wrapping material from the reel to the wrapping station, where a paper gripper unit takes over.

Once the paper is in the correct position directly above the product, the wrapper is cut using a robust rotary knife unit. If required, a photo-electric cell registration unit can be provided for printed wrapping materials.

At this point the machine has slightly different packing methods depending on the style of packing required;



'Twist on Top' style

As the products reach the end of the infeed conveyor belt, they are rotated through 90 degrees and then cross-pushed and elevated into the 4 pocket wrapping wheel, along with the cut piece of wrapping material. A top control unit ensures that the product remains in position during the elevation stage.

At this point a fixed folding box and tucker creates the folds underneath the product.

The wrapping wheel is then rotated through 90 degrees to the second wrapping stage, where the side tucks are completed. The wrapping wheel guard holds the wrapper in place until the product reaches the third wrapping station. Here a pair of specially designed twister fingers complete the package, whilst at the same time pulling the wrapper tightly around the chocolate.

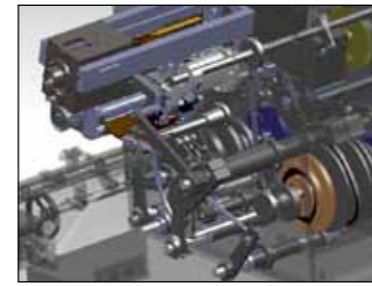


Throughout the wrapping process, the rubber lined gripper fingers of the wrapping wheel ensure that the products cannot move, thereby ensuring a perfect wrap every time.

As the products are rotated to the fourth stage of the wrapping sequence, a mechanical pusher gently removes the product from the wrapping wheel, where they are discharged by gravity down an inclined chute. (or by a belt conveyor – see optional extras)

Single twist style

The sequence of operations is exactly the same as the 'Twist on Top' style, other than the products are elevated directly into the wrapping wheel, without first being turned through 90 degrees.

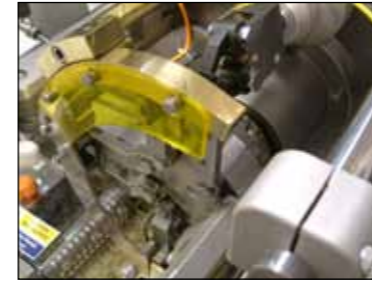


Double twist style

The sequence of operations is exactly the same as the 'Single twist' style, other than an outer as well as an inner twister mechanism is provided at the third wrapping stage.

Bunch wrap style

The products are elevated directly into the wrapping wheel, without first being turned through 90 degrees. At the first wrapping stage, the chocolates pass through a brush box, which smooths the aluminium foil over the product. The foil is tucked underneath the product during the first and second wrapping stages.



Fold wrap style

The products are elevated directly into the wrapping wheel, without first being turned through 90 degrees. At the first wrapping stage, the chocolates pass through a fixed folding box, which creates the folds on each side of the piece. A tucker is provided at the second wrapping stage, which carefully creates the first fold underneath the chocolate. The final fold is created by the fixed wrapping wheel guard. At the third wrapping stage, heaters can be provided to seal the wrapper under the product, or alternatively the sealing can be performed using a hot-melt glue system.

The twister units are not required in this process.

Features

Low cost and fast size-changes

The Multiwrap is extremely versatile and can wrap solid or centre-filled products of various sizes and shapes. Machines can be provided to perform one or all of the wrapping styles shown above, with minimal change parts. A change of style can take as little as 30 minutes to perform.

Simple to operate and maintain

The machine has been designed with the user in mind. The machine controls are simple and easily accessible to the operator via the conveniently located HMI unit. The mechanisms have been designed in such a way that they can be understood by non-technical personnel, saving time and money on maintenance.

Low running costs

Thanks to its simple design, the machine requires few running spares, keeping costs and inventory to a minimum.

Health and Safety assured

Electrically interlocked guards provide safe machine operation and are designed so that the machine can be accessed for cleaning and maintenance purposes. Manufactured from clear acrylic, they also provide excellent visibility to the operator.

The machine meets current Health and Safety and 'CE' standards.

Wrapping materials:

Aluminium foil, Cellophane, PVC, OPP, PP, PET – depending on wrapping style used.
Reel core size 76mm. Maximum reel diameter 300mm. Maximum reel width 130mm.

Floor Plans

