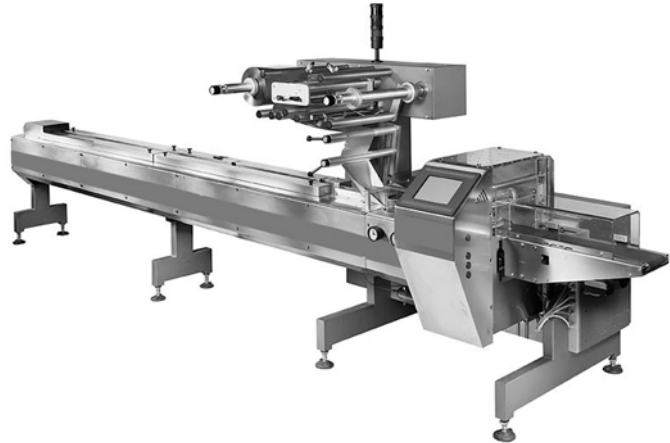


Masterwrap MW.11.BSx Horizontal Flow Wrapper

Technical Specification



Fully servo driven horizontal flow wrapper

Smooth, Multifaceted, Reasonable

The Masterwrap MW.11.BSx wrapper convinces today's producers of a wide spectrum of reasonable packaging solutions for biscuits, crackers, wafers, chocolate, cake and other food or non-food products. Hygienic design, standardization and ease of use simplify operation and maintenance, thus reducing total cost of ownership.

Technical data

Speed	Up to 300 packs/min Up to 40 m/min (film)	Film size	Reel width 400/600 mm Reel Ø max. 400 mm Reel core 70/76 mm
Product size	Cut-off 50 .. 500 mm Length 45 .. 270 mm Width 10 .. 230 mm Height 1 .. 100 mm	Power	3-phases, 380–400 V, 50/60 Hz 10 kVA / Earth
		Air	6 bar; 0.03–1 m ³ /h

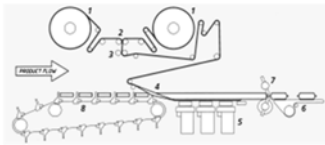
Machine description

- Fully servo driven
- Strong welded frame with front aluminum plate
- Cantilevered construction for easy cleaning and accessibility
- Machine painted in epoxy paint color white, RAL 9010
- Machine based on motion control with integrated task PLC
- Digitally controlled cut-off length with possibility to memorize
20 different programs for automatic setting of the wrapping system
- Operator's friendly interface with b/w touchscreen display
- 3 independent brushless servomotors with Can bus controller, synchronized by the central microprocessor, to drive infeed chain, fin seal wheels and transverse crimpers
- Guards and product contact parts in stainless steel
- 3 sets of fin seal rollers with separate servomotor :
 - 1st set for film pulling (tiltable)
 - 2nd set for sealing with automatic opening
 - 3rd set for fin seal foldover
- Electronic PID control of the sealing temperatures with auto-tuning
- Temperature sensors of Constantan Iron Thermo Couple
- Cantilevered sealing crimpers assembly with separate servomotor and adjustable in height
- 2-up sealing crimpers in special alloy, with transverse or longitudinal pattern
- Crimpers stop in open position
- Straight or serrated cutting knives in Cobalt based HSS steel
- Single reel holder with fine adjustment for film alignment
- Electronically controlled film print registration with +/- correction
- Fixed, open top forming box
- 2 Mt. long infeed chain with separate servomotor and off-set
- Stainless Steel chain, top plates and adjustable side guides in stainless steel
- Guards for fin seal rollers and transverse sealing crimpers realized in LEXAN
- Discharge conveyor with FDA approved belt, 600 mm. long
- Digital speed read-out integrated on the display
- Emergency spare parts kit and tools
- CE safety certification

Options

- No gap – no seal
- No product – no bag
- Automatic reel splicer and pack rejection
- Power feed roll
- 3-up, 4-up crimper
- Adjustable top forming box
- Air gusseting device
- Cooling plates over fin wheels
- Coding system arrangement
- Transparent guards for easy visual inspection
- 600 mm wide film reel
- Tear strip applicator (length-/crosswise) for easy pack opening
- Modem connection
- Pre-heating of the fin seal with pressure bars with independent temperature control and automatic opening
- Double product over exit belt reject
- Empty pack reject
- Height product reject

Additional Information



Schematic

1. Double reel holder
2. Automatic reel splicer (Optional)
3. Power feed roll (Optional)
4. Forming box
5. Fin seal rollers
6. Discharge conveyor
7. Transverse sealing crimpers
8. Product pushers



Multifaceted

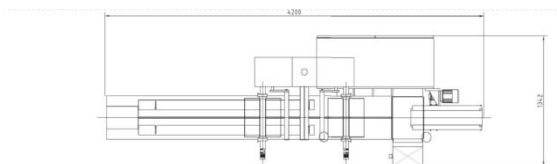
- Standardization of electronic and mechanical components and modular construction allowing the integration of a wide variety of automatic applications such as inline feeder, 110° feeder, wafer feeder, biscuit chutes and many more.



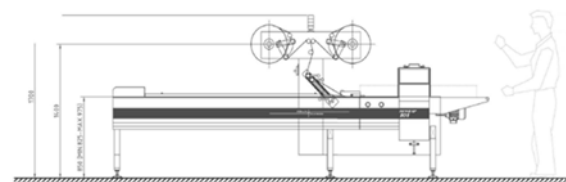
ESC

- Advanced control technology
- Allows adding servo-drives, controlled by given axis motion control, to drive feeding systems and other accessories
- Easy accessibility and parts standardisation for minimum spare parts requirements

Top view



Front view



www.mastertechnologies.eu

For more information

Master Technologies s.r.l.
Via Goretta 92/b - Frazione Mappano
10072 Caselle Torinese - (Torino) - Italy
Telephone +39 011 207 1811
Facsimile +39 011 207 4302

Subject to technical changes.
© 06/2018 Master Technologies s.r.l.
Printed in Italy.