

MAMATA

VegaPack
M-Series
HFFS



Solutions for Flexible Packaging

**HORIZONTAL FORM FILL & SEAL
PRODUCT PORTFOLIO**

New Standards in HFFS

The VegaPack M-Series has been designed to meet the specific needs of consumer packaged goods companies in the food and home / personal care markets. This new generation machine balances high line-speed with a small footprint and brings the flexibility of being able to process both laminate and co-extruded films with ease to offer quick and repeatable changeovers. New levels of efficiency have been achieved to deliver minimal total cost-of-ownership and at the same time providing a contemporary platform for future developments in technology. New in 2014 – the M-Series is available in 3 different pitch configurations as well as a standard and hygienic version of each configuration.

Hygienic by Design

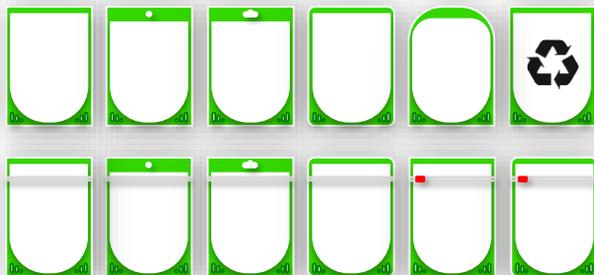
Hygienic design is at the heart of the M-Series hygienic version, ensuring that it is easily cleanable. The frame is fabricated from 304 stainless steel using open design and sloping, self-draining surfaces – to prevent product and water from accumulating and pooling. The use of structural tubing has been avoided to prevent build-up of bacteria and the frame bottom is open so any product spillage will fall directly to the floor for easy cleaning. A USDA-certified version of the machine is available to meet even the most demanding hygienic and chemical wash-down applications.



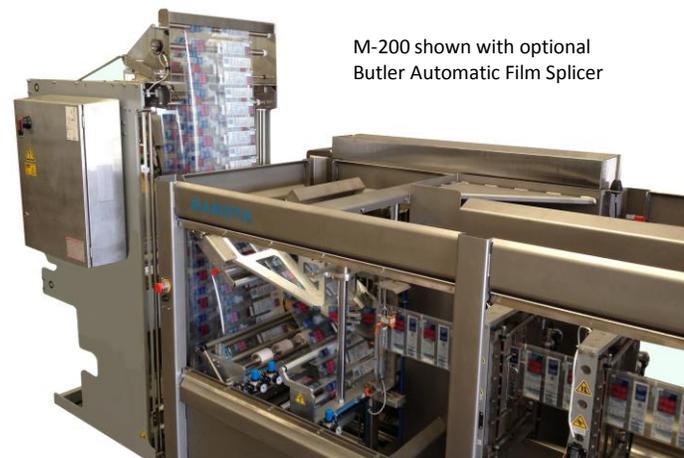
Easy to clean, wash-down hygienic frame

Value-added Pouch Making Systems

The M-Series machine offers many value-added systems to increase efficiency, uptime, cleanliness and pouch quality. A wide variety of pouch types can be made on the same machine including 3SS/4SS pouches, stand-up pouches (both Doy and Delta types) and regular gusseted pouches. All forms of coding technology can be seamlessly integrated into the M-Series machines for positive control and placement of your important coding information. Easy-open features like straight and diamond notches are possible, as are hanger hole options with various profiles such as round hole, Euro slot, and oval. Dry scrap removal can be conveniently controlled with a vacuum accumulation system. Closure options like Press-to-Close, Slider Zipper, and E•Z ZIP® are handled with ease. Maximum uptime can be achieved with an optional jumbo-reel unwinder option or an integrated Butler Automatic film splicer. Shaped pouches, spouts and fitments can also be integrated by consultation with our Application Center.



Examples of popular pouches which are possible on the M-Series



M-200 shown with optional Butler Automatic Film Splicer

Wide Variety of Filling Applications

The M-Series machines can be easily integrated with a wide range of filling systems tailored to your application. Mamata partners with worldwide filling system OEMs to integrate the mechanical filling system as well as the filling system controls. Servo auger fillers and servo cup fillers can be integrated into the main machine HMI to eliminate redundant components and simplify changeover and daily operation. Multi-head weighers and volumetric liquid pump fillers are also easily integrated into M-Series machines. The patented double-gripper system has been specifically designed to hold up to 3 kg of product per pouch, ensuring filling process efficiency. With this approach, Mamata can efficiently and accurately fill your pouch with virtually any product.



Servo Auger and Servo Cup Filler shown fully integrated with M-200



OptiSeal™ delivers world-class optimized sealing process control

Optimized Sealing System

The innovative OptiSeal™ System on the VegaPack M-Series utilizes servo motors, clever programming and balanced mechatronics to accurately control temperature, sealing pressure and sealing time for each sealing function better than conventional systems. All three sealing parameters are electronically controlled and optimized for different film types and formats – and each setting can be saved as a recipe in the HMI for easy changeover without the need for mechanical adjustments. The OptiSeal™ System enables processing of laminated and co-extruded / eco-films on the same machine with ease giving you flexibility to process a broad spectrum of films.



Repeatable Automatic Changeover

For customers requiring to run multiple formats on the same machine, the M-series features several automatic systems designed to be able to deliver repeatable format changeovers with precision and accuracy. Individual sealers, forming plow, cut-off knife, and pouch grippers all feature HMI recipe-based automatic changeover systems. At the push of a button the machine will adjust itself to the appropriate format settings (including sealing parameters!) saving both time and money while increasing productivity. Sub-20 minute changeovers can now be a way of life.



Repeatable and Easy Changeover via Standard 10" Color Touch Screen HMI

TECHNICAL SPECIFICATIONS

Film Reel Diameter	-	610mm (24 in.) Maximum	
Film Reel Core Diameter	-	76 – 152mm (3 – 6 in.)	
Web Width Range	M-200 M-260 M-300	200mm 200mm 280mm	700mm 850mm 950mm
Pouch Height Range	M-200 M-260 M-300	100mm 100mm 140mm	300mm 360mm 360mm
Pouch Width Range	M-200 M-260 M-300	100mm 140mm 175mm	200mm 260mm 300mm
Maximum Gusset Size	M-200 M-260 M-300	100mm [50mm + 50mm] 130mm [65mm + 65mm] 150mm [75mm + 75mm]	
Maximum Rate	M-200 M-260 M-300	100 pouches/min* 80 pouches/min* 65 pouches/min*	
Power Consumption	-	10 kW*	
Maximum Load	-	20 kVA*	
Main Voltage	-	230/480 Volts AC / 3-ph. / 60 Hz	
Air Consumption	-	Model Dependent	
Noise Level	-	< 72 dB*	
Safety Performance Level	-	Level d per EN ISO 13849-1	
Safety Category	-	Category 3 per EN 954-1	
Machine Controller	-	Allen Bradley	
HMI	-	Allen Bradley Touch Screen	
Machine Dimensions	M-200 M-260 M-300	6.5m L x 2.0m H x 1.6m W ~ 3600 kg (8,000 lbs.)* 7.5m L x 2.0m H x 1.7m W ~ 4000 kg (8,800 lbs.)* 8.4m L x 2.2m H x 1.9m W ~ 4400 kg (9,700 lbs.)*	

OPTIONAL CONFIGURATIONS

Hygienic version with 304 stainless steel frame, NEMA 4X enclosure and IP-65+ components (M-200U, M-260U and M-300U designations)

Allen-Bradley Controls Upgrade

Stand-up Pouch Upgrade

Automatic Changeover Upgrade

USDA Certification

Specific Wash-down Requirements

Press-to-Close Zipper Upgrade

Slider Zipper Upgrade

Semi-automatic Zipper Splicer

Standard or Diamond Easy-open Notcher

Sloped Electrical Cabinet

Butler Automatic Film Splicer

Shaped Pouch Tooling

Product Depositor(s)

Integration with OEM filling systems

Integration with OEM printing systems

Integration with OEM check weighers

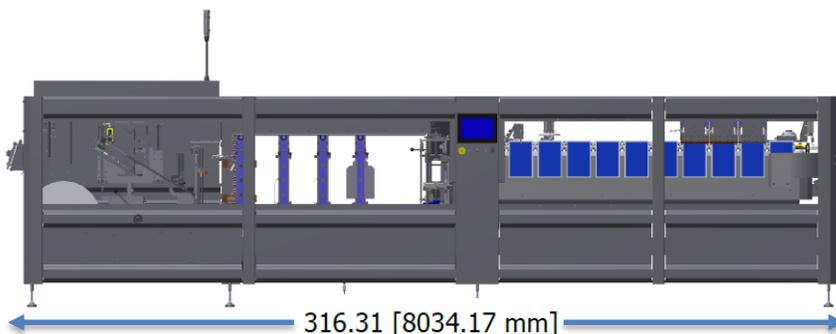
Custom discharge conveyor configurations

Seal Bar Cooling System (recirculating type)

Dry Scrap Removal System

Ultrasonic Top Seal Upgrade

Hanger Hole Puncher



* NOTE: actual figures may vary depending on application, options, and configuration. Pouch filling speed will depend on pouch opening size, product flow dynamics and other variables.

Specifications subject to change without notice.



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