

The background of the entire page is a grayscale photograph of a complex industrial manufacturing environment. It features various mechanical components, including robotic arms, conveyor belts, and structural frames. In the upper right, there's a close-up of a robotic gripper. Below it, a red banner with white text is partially visible. The overall scene conveys a sense of advanced automation and industrial scale.

mespack

A DURAVANT COMPANY

Innovative Packaging Solutions for a Green World

Mespack promise

Our mission is to create long-term relationships that offer added value and growth, to both our customers and partners. We contribute and preserve the environment by developing more sustainable packaging solutions for a greener world. In this respect, at Mespack, we are guided by the following pillars:

Quality, Reliability, and Durability

We develop robust and high-quality equipment for our customers, enabling us to establish long-term relationship with them.

Tailored-Made Integrated Solutions

We have the most talented and experienced engineering team to design and provide customized integrated solutions by understanding the needs of customers.

One-Stop-Shop Player

Mespack has the largest portfolio of water soluble pods equipment, HFFS, VFFS, and end-of-line equipment, all in a one-stop-shop player that ensures quality and efficiency with premium services worldwide.

Services

At Mespack, we are extremely mindful of supporting our customers with a strong sense of urgency, thus being reliable and efficient.

Partners

We collaborate with our customers and a group of stellar partners to develop sustainable packaging applications, turning our labour into a true co-creation, thus positioning us at the forefront of innovation.

The Journey of Excellence

We believe that excellence is a voyage, not an objective, and even less so, a destination. While on this journey, we take the quality standards of our clients and turn them into results.

Our Team

Every collaborator directly contributes to our immediate success and that of our customers by diligently working with high commitment to accomplish the utmost challenging projects.

International Company

Mespack, a Duravant company, has a presence in over 90 countries, offering the best equipment and services to the most diverse industries, such as home care, food, and personal care.

Innovation

Innovation is part of Mespack's DNA, and we persistently reinforce this commitment by following a roadmap with a clear vision towards the future of flexible packaging.

Sustainability

We are strongly committed to developing innovative equipment for sustainable packaging in order to preserve the environment and assist our customers in the pursuit of their goals.



Live the journey of excellence with us

30 years ago, Mespac began a journey on which we are still embarking today. On this journey, we step forward, day after day, giving our best and demonstrating our talent. With each milestone we pass and slope we climb, we are guided by our determination to serve, which is the foundation of the trust our clients have in us. During our journey, we take our clients' quality standards and turn them into results. This is what we call The Journey of Excellence.

We, at Mespac, believe that excellence is a voyage, not an objective, and even less so, a destination. Our belief is if excellence were a destination, our first action upon arrival be to stop: this is the last thing we want to do. For this exact reason, we are in constant and indefinite movement. Excellence is a journey.

We have the most talented and experienced team with a winning spirit that prepared to provide the perfect packaging solution to meet the needs of our customers. We certainly believe that every collaborator contributes to our direct success and that of our customers. Furthermore, we offer an abundance of opportunities for personal growth, as well as the training to reach this point, while labouring together with a committed team that works diligently every day to succeed in the most challenging projects. We learn together with our customers, living the journey of excellence offered by the innovative-centric nature of flexible packaging.



Headquartered in Barcelona, Spain, Mespac is an international manufacturer of flexible packaging, end-of-line and water soluble pods equipment for consumer packaged goods companies serving the world's leading brands.

Recognized as a highly innovative company, and strongly committed to developing machinery to make sustainable packaging solutions, Mespac has the largest product portfolio of the industry, offering water soluble pods, Horizontal and Vertical Form, Fill and Seal, and end-of-line equipment. Consequently, we have become a strong and reliable one-stop-shop player with premium services worldwide.

The company has sales network teams in over 90 countries and regional service centers that provide immediate and expedited access to parts, as well as time-minimizing solutions. Mespac serves the food and beverage, pharmaceutical, chemical, pet food, confectionery, cosmetic, and personal care markets.

We have more than 17,700m² divided into three production centers: one in Santa Perpètua de Mogoda (Spain), in Wood Dale (IL, USA) and in Vadodara (India). Furthermore, we have commercial offices in France, India, China, Thailand, Argentina, Brazil, Colombia, Mexico and Guatemala.

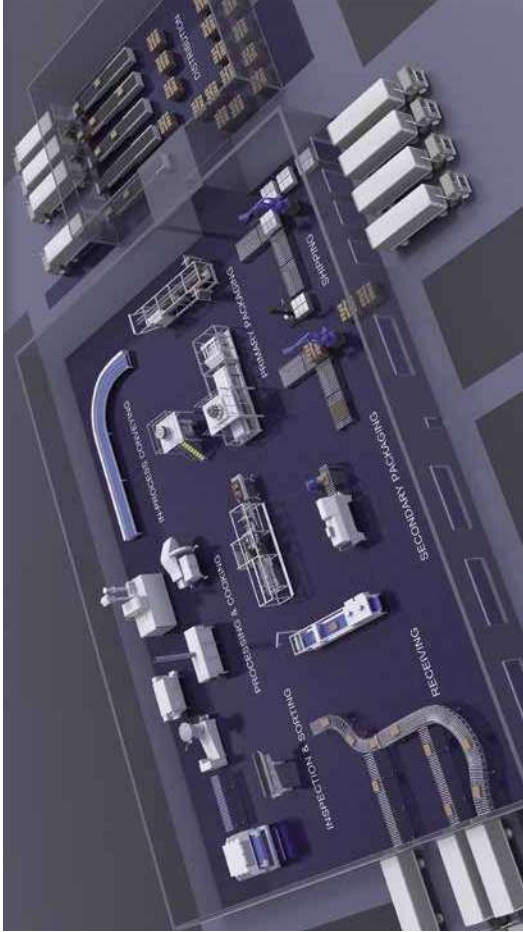


With the use of a laboratory environment, our **Mespac Innovation Center (MIC)** is focused on researching and testing new materials such as paper and mono-material structures, which are recyclable ready, recycled, or compostable. We collaborate with our customers and a group of stellar partners to develop sustainable packaging applications, turning our work into a true co-creation. The MIC is equipped with the most state-of-the-art equipment, as well as technicians who are specialized in flexible packaging and able to adapt machines in accordance with the requirements of our customer, thus eliminating the need for them to stop production and meeting their objectives.

- Food
- Pharmaceutical
- Pet Food
- Beverage
- Home Care
- Personal Care



Locations



Delivering global solutions in food processing, packaging and material handling



Mespac belongs to **Duravant**, a global engineered equipment company with manufacturing, sales, and service facilities throughout North America, Europe, and Asia. Given their portfolio of operating companies, Duravant successfully delivers trusted end-to-end process solutions to customers and partners through engineering and integration expertise, project management, and operational excellence.

With worldwide sales distribution and service networks, Duravant provides immediate and lifetime aftermarket support to all the sectors it serves in the food processing, packaging and material handling industries. Duravant's market-leading brands are synonymous with innovation, durability, and reliability.

The Duravant Family of Operating Companies:

FOOD SORTING & HANDLING	PROTEIN PROCESSING	PACKAGING EQUIPMENT	MATERIAL HANDLING



Company

Primary and secondary packaging solutions for all industries

Food

Mespack provides flexible format packaging solutions for coffee, candy, chocolate, snacks, and many other products. In regard to hygiene, safety, waste reduction, and flexibility, Mespack's packaging range is designed to the highest standards. This has resulted in some of the company's most important packaging features.



Beverage

Mespack provides a wide range of solutions for the beverage industry, from doypacks with top or corner spout to straws for ready-to-drink beverages.



Pet Food

Mespack packaging solutions for pet food are a response to the recent demand increase of these products. As a result of this enormous growth over the past years, there has also been an increase in reference to the number of visible competitors within this sector.



Pharmaceuticals

For an exceptionally strategic industry, such as pharmaceuticals, Mespack has unique packaging solutions that allow you to remain ahead of your competitors.



Personal Care

Mespack's personal care packaging solutions feature a line of horizontal form, fill, and seal packaging machinery that is equipped to produce a wide range of personal care products. As a result of their upgrade possibilities, these machines fulfill the current and future requirements of the industry.



Home Care

The home care packaging solutions of Mespack offer process efficiency and flexibility, with respect to all the necessary adaptability requirements.



Mespack offers solutions to other industries as well, including lawn and garden, agriculture, tobacco, and automotive among others.



Enabling green packaging for a green world

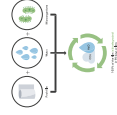
At Mespack we are strongly committed to developing innovative equipment for sustainable packaging solutions. For this reason we have defined 'The Mespack 6R Strategy' to assist our customers in the pursuit of their sustainability goals with an holistic approach that comprises:



REDUCING
the usage of
packaging
materials per
packed unit



REPLACING
traditionals
materials to
recyclable, PCR
or compostable
materials



REMOVING
the packaging
materials
associated with
the use of the
product



RETROFITTING
install base with
technology for
new materials
and higher OEE



REUSING
to avoid single-
use plastic
packaging

REENGINEERING technology for new materials and higher OEE



New and reliable sealing technology is used for sustainable materials.



Quick changeovers reduce time and material waste when the format is changed.



Less energy-consumption and highly efficient machines help to minimize the carbon footprint of the industry.

REDUCING the usage of raw material



Reduction of headspace in continuous filling equipment



Laser cut usage reduces maintenance and film material by a minimum of 3%.



Changing from rigid to flexible packaging can save up to 70% of plastic.

REMOVING the packaging materials associated with the product use



Biodegradable or Compostable

- Use of polyvinyl alcohol (PVOH) to produce pods
- According to the American Cleaning Institute, at least 60% of the film biodegrades within 28 days and 100% of the film decomposes in 90 days or less.

RETROFITTING installation base with technology for new materials and higher OEE

With over 3,000 machines on the market, we have designed an extended number of retrofits to adapt Mespack equipment to new materials with higher OEE. Discover more about our retrofit kit for recyclable materials:

- Special alloy sealing jaws
- Bottom jaw cooling and triple point pointer
- Bottom perforator with larger stroke
- Sealing station air cooler

REPLACING

materials with more sustainable solutions



Recyclable Ready

- Polyolefins
- Mono PE
- Mono PP



Recycled

- Contains at least 20-30% of recycled materials



Biodegradable or Compostable

- PHA
- PLA
- PHB
- Paper

REUSING

to avoid single-use plastic packaging

Constantly innovating our packaging formats in order to save plastic waste.



Innovative packaging for our future world

At Mespac, we follow the principles of open innovation in order to design the best solutions, regarding innovative packaging for our customers. The entire Mespac team, together with our key customers and partners, work together to develop the most challenging projects.

Innovation is part of Mespac's DNA, and in the past years, we have strongly reinforced this commitment by following an innovation roadmap with a clear vision toward the future of flexible packaging. Furthermore, we encourage entrepreneurship within every Mespac team, which adds high value, as a result of their knowledge and years of experience in this sector.

Although this open innovation philosophy takes place at many numerous geographical points, where the essence of Mespac is present, it is physically and visibly represented at our Mespac Innovation Centre (MIC). This centre is an inspirational area where we profoundly labour over projects of recyclable material automation, and digitization, thus optimizing the efficiency of our solutions and developing new projects to expand our current portfolio.



Mespac Innovation Centre

The Mespac Innovation Centre is a facility focused on develop innovative projects that, with the assistance of key partners of the flexible packaging sector, satisfies the most challenging demands for constant market development. It has the most state-of-the-art packaging lines, which are fully available to test recyclable materials and various packaging solutions that fit best for our customers.



We encourage you to contact us to cocreate your customized project and learn more about our state-of-the-art equipment.

Joining Forces with Stellar Partners

Following the foundation of open innovation, we collaborate with key partners of the flexible packaging sector, in order to develop challenging projects. Solely, by working closely with a plethora of experts, we are able to collectively achieve innovative and sustainable goals.

Materials:



Films:



Fitments and closures:



Components:



Auxiliary equipment:



The new era of Smart Machines

The term 'Smart Machine' implies an equipment that is better connected, more flexible, more efficient, and safe. Based upon a collection of smart, connected products, it maximizes efficiency via intuitive collaboration with its users.



Autopilot

Autopilot is Mespack's new state of the art technology that allows the machine to automatically adjust the optimum operating temperature and pressure parameters (depending on the type of recyclable film).

- Less changeover time
- Highly skilled operators are NOT required
- Online reel control for interior variation
- Operator's require less labor hours for testing new material



Autosplicer

Autosplicer is an automatic splicing technology that was developed to avoid machine downtime and reduce material waste during roll changes.

- Save 5 to 10 minutes for every 2 hours of production
- Reduce the operator's working hours in format changes
- Highly skilled operators are NOT required



Advanced Maintenance

Advance Maintenance. Predictive maintenance analyzes the condition of the piece based on its operation wear, and tear; it is able to predict forthcoming breakdown. Preventive maintenance pertains to the periodic performance of scheduled maintenance according to the useful life of each part in order to avoid breakdowns and production downtime.



Recyclable Ready

Recyclable Ready Mespack machines are designed to be easily adaptable to operate with recyclable or compostable material and paper. They have the ability to not only work with both new materials and traditional laminates, but also maintain efficiency and consistently guarantee superior performance.



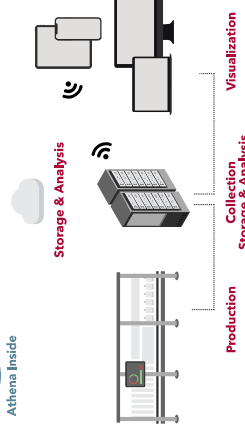
Connectivity

Connectivity is possible thanks to Athena Cloud. You can have production data visibility at any time and anywhere around the World. Furthermore, several machines in the same or different production plants can be supervised from any device such as a PC, tablet, or mobile phone, enabling comparisons across machines or plants and receiving production alerts.



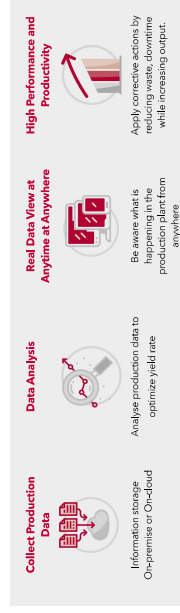
Athena Inside

Athena is a digital platform aimed to give our clients the power to maximize the value of their production data, due to its ability to perform a variety of tasks from machine control to data analytics.



Two solutions for data storage On-Premise/On-Cloud

On-premise consists of an industrial computer placed in the machine cabinet where all the data is stored and analyzed by Athena. It can be accessed through either a wire or wireless connection. **No internet access is required.** Whereas On-Cloud option, an edge computer, placed in the machine cabinet, is responsible for collecting and sending data to the cloud through an internet connection.



Data analyst and machine control

Collects real time data from the machine and stores it for analysis through an intuitive dashboards. It supports to our customers in making more reasonable and better business decisions, as well as optimizing the performance of their machines.

Benefits

- State of the art hardware
- **User friendly** UX/ UI interface
- **Reduces** the operator **learning curve**
- **85% screen functionalities** in a **single click** or less
- Operator's **empowerment**
- Follows **ISA 101** (visual comfort, ergonomics and UX)
- **Same look and feel** for all our machines portfolio



Savings and productivity improvement

- Increase throughput up to 4%
- Up to 3% increase of uptime
- Up to 1.5% improvement in quality
- Production cost improvement of up to 3%
- Reduces scrap of up to 3%
- Reduction of maintenance costs by up to 200 hours per year



Autochangeover

Autochangeover allows an automatic changeover of the pouch format, thus helping to reduce machine downtime and increase the changeover accuracy.

- Reduces material waste in machine adjustment
- Reduces up to 20-40% in changeover time
- Reduces the operator's labor hours in format changes
- Highly skilled operators are NOT required



Your needs, our goals

The primary focus of the Mespac service team is to diligently attend and give support to our customers with an absolute sense of urgency, thus being reliable and efficient.

We have 30 years of expertise in and knowledge of the flexible packaging industry, qualifying us as highly trained technical service personnel and who are committed to meeting the demanding business needs required by our customers. Furthermore, having a presence in more than 90 countries, benefits our clients, as our experienced local field technicians are capable of swiftly responding. The sense of urgency is one of our values, thus we committedly work to offer the fastest spare parts service.

The Overall Solution for Your Company



Retrofits and Upgrades



Maintenance and Repair Service Programs



Spare Parts



Athena Inside Update



Consultancy Services



Production Support



Retrofits and Upgrades

Our dedicated Internal Project Team will support every single project with a customized upgrade or retrofitting solution with OEE focus. We emphasize the integration of sustainable materials with our equipment, thus offering retrofits and upgrades to our installed machines and enabling them to function with both recyclable, recycled or biodegradable laminates.



Maintenance and Repair Service Programs

In order to optimise productivity and reduce downtime, our Preventive Maintenance Program offers the most optimal service, ensuring that equipment is ready to work with maximum efficiency in order to meet the production plan. Consequently, delays and interruptions are minimized, while the life expectancy of your equipment is increased.



Spare Parts

Securing a dependable inventory of key spare parts for your equipment is crucial to the life of your business. At Mespac, we are extremely knowledgeable regarding the numerous lists of accessories, and are able to guarantee rapid and efficient management to reduce downtime. Furthermore, we ensure OEE, extend machine lifespan, and reduce TCO.



Athena Inside Update

To support the digital transformation that many industries are experiencing, we have developed Athena, a control suite platform that performs a variety of tasks, from machine control to data analytics. Our service team is eager and prepared to upgrade your machines, currently in use, with this platform, which will improve the efficiency of your equipment, as a result of analyzing the generated data.



Consultancy Services

Our field engineering team will run an onsite audit of your equipment, in order to offer you an optimization that is adapted to your production needs and decreases your overall costs, while increasing the efficiency of your equipment.



Production Support

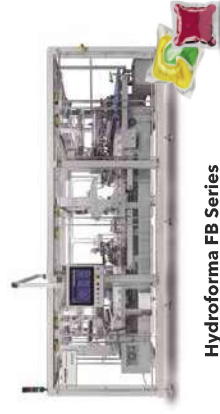
Our field technical service engineers are able to support you not only by arranging the equipment commission, but also by auditing your equipment and ensuring that you maintain the equipment on its highest production levels.



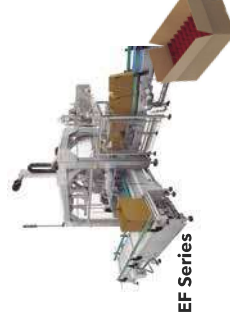
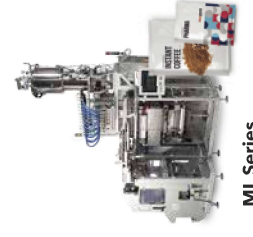
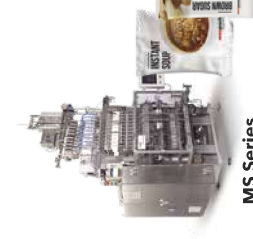
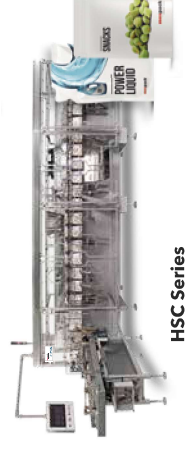
Your partner with the largest and most innovative portfolio

At Mespac, we have the most talented and experienced engineering team to design and provide customized integrated solutions, from the primary and secondary packaging to end-of-line. Furthermore, as a result of our knowledge and years of experience, we offer the best machines that suit the project requirements and deadlines of our customers.

Primary Packaging



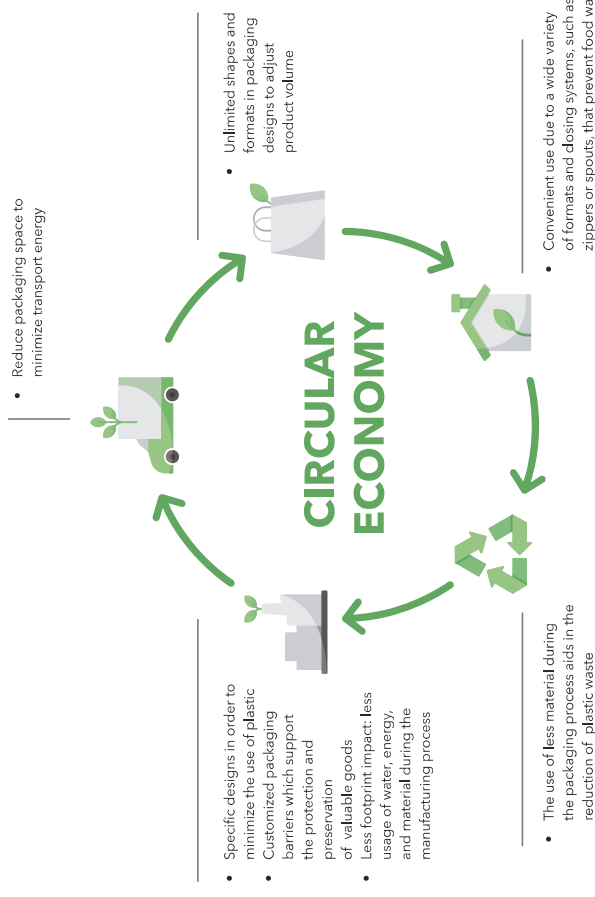
We diligently perform our duties in order to show our long-term reliability and foster lasting customer relationships. To achieve this, we design and manufacture our equipment with high durability. In regard to standards, Mespac is internationally certified for quality management systems. Our improvement, regarding our team and innovative solutions among others, is continual, in order to meet the needs of our customers and guarantee relationships with our stakeholders.



Primary and secondary packaging

Advantages of sustainable flexible packaging

At Mespac we are focused on assisting our customers, FMCG brands, to reduce their environmental footprint by converting high value consumer goods packed in rigid containers into flexible packaging. This mindset change maximizes their profits, and reduces the use of material, while simultaneously acquiring high efficiency and reliability. Mespac guarantees sustainable packaging made with recyclable, recycled, and biodegradable materials.



Flexible packaging is a driving force in regard to sustainability. It is not only designed for recycling, but also to contribute to the circular economy, with the minimization of resources and raw materials during the manufacturing process. The use of more sustainable materials, minimizing food waste, guaranteeing product conservation, and by having agreements with waste and treatment collection companies, promote a circular economy.

When customizing packaging, we assist you in finding the best option that best fits your needs. Find out more in the largest equipment portfolio.



Horizontal H Series

MODELS

**H640, H570, H540, H440, H420, H380, H360,
H330, H320, H280, H260, H220, H180, H170,
H150, H145, H140, H130, H100**

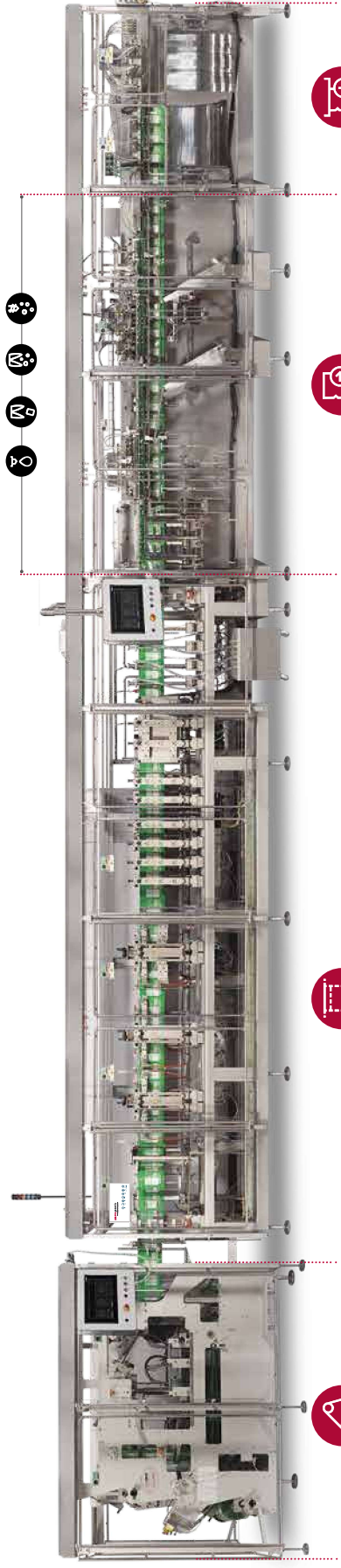
The H Series is remarkable for its modularity and flexibility, and it is capable of producing different shapes and presentations

The H Series is composed of 19 different HFFS machines with multiple versions, which enables the Mespack team to offer the most suitable model to our customers. Our machines are made with a modular construction and have common parts, excluding the main frame, which facilitates the storage of spare parts. The main frame can be supplied with all types of fillers and accessories. The machines of this new generation are of robust construction, user friendly, and proven to be straightforward to operate and maintain. The H Series is remarkable for its flexibility

and the possibility of producing various shapes and pack presentations: flat or stand-up pouches, cap fittings for easy product pouring, straw attachments for soft drinks beverages, redosable zipper systems, among others. A vast number of different fillers are available, such as augers and volumetric fillers, flowmeters, weighers, as well as other customized dosing systems. Product protection is also a priority; we have several solutions for gas flushing to minimize the residual oxygen contents in the pack and CP or SIP cleaning systems.

Filling Station:

Liquids · Solids · Granules · Powders



Unwinder Section:

- Standard unwinder
- Servo driven unwinder
- Unwinder with 2 reels
- Automatic unwinder with 2 reels

Forming Section:

- Zipper applicator
- Sealing
- Die-cut
- Tear notch
- Cutting units or laser cut
- Servo driven pouch pulling

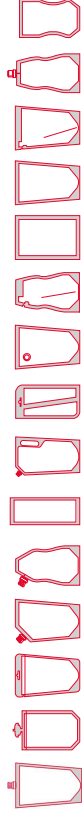
Transport Section:

- Opening, stretching, pulling
- Top sealing jaw
- Ultrasonic sealing jaw

Pouch Exit Section:

- Systems: ramp, conveyor belt or pick and place
- Cameras to control the pouch aspect

Packaging Formats



Closures Applications



Smart Functions



Horizontal H Series

Sealing Stations



Filling Stations



Shaped Pouches



Our experience in flexible packaging has allowed us to offer a quick changeover system for sealers, which reduces the adjustment time. Furthermore, our sealing groups are able to work with various materials, thus obtaining optimum quality with minimum energy consumption.

The various Mespack total and partial die-cuts, such as tear notch, eurohole, hole punch, double scissors, laser cut, round edges, among others, offer a wide possibility to personalize and make a variety of pouch designs.

Forming Triangle



The forming triangle helps fold the film in order to obtain the desired pouch form for both flat pouches as well as stand-up pouches.

Servo Driven Index



The length and speed of the film drag is controlled by servo drives in order to increase precision, which can be directly controlled through the PLC.

Quick Changeover



A quick changeover reduces material waste when the format is changed. The preparation of a pouch format change requires not only time, but also film and energy consumption. Both automatic and mechanic quick changeovers will reduce time, film, and energy. It is a tool-free and user-friendly operation.

New Controls: Athena



Our objective is to ensure that the conversation between the machine and the operator is straightforward. Presently, as a result of Athena, this relationship will not only be more intuitive, but will also be highly efficient. Moreover, Athena allows us to upload data analysis to the cloud, thus enabling monitoring of the status of your machine from any location.



Adapted to Work with Sustainable Materials

We offer a wide variety of retrofits especially designed for our H Series, allowing the machines to operate with the most challenging sustainable material.

Main Standard Features

- 18.5" color touch screen
- Independent unwind system with autosplice features (optional)
- Automatic adjustment control of seal jaws position (optional)
- Automatic hole punch correction system for stand up pouches
- Servo driven change over system for plough formation
- 3 to 5 different filling stations
- Cam driven walking beam (for big formats)
- Static pouch stretching prior to sealing
- Pouch reject station
- PLC automatic lubrication system (optional)
- Roller servo driven stroke indexing system
- Ultra-clean versions (optional)
- Laser, inkjet or printer coder (optional)
- ATEX compliance (optional)
- Film sterilization system (optional)
- Laminar flow (optional)
- MAP (Modified Atmosphere Packaging)
- Ultrasonic sealing (optional)

Technical Specifications

MACHINE	POUCH SIZE MIN (mm)	POUCH SIZE MAX (mm)	GUSSET MIN-MAX (mm)	MAX VOLUME (kg)	OUTPUT STATION	FILLING STATION
H640 3	120x150	210x400		2500	165	1-2
H640 4	120x150	160x400		1500	220	1-2
H640 FET	120x150	210x400	50-100	3000	150	1-2
H640 FEQ	120x150	160x400	50-100	1800	200	1-2
H570 D	150x200	285x400		4000	120-140	1-2
H570 3	120x150	190x400		2000	180-210	1-2
H570 FED	150x200	285x400	40-150	5500	100-120	1-2
H570 FET	120x150	190x400	40-150	2500	150-180	1-2
H540 FE6	80x50	90x240	40-50	200	300	1
H440 FET	80x100	145x300	40-70	850	180	3
H440 FEQ	80x100	110x300	40-50	400	240	3
H440 3	80x100	145x300		350	180	3
H440 4	80x100	110x300		300	240	3
H440 FED	80x100	220x300	40-70	1000	120	3
H420 S	120x150	420x400		5000	55-60	3
H420 D	120x150	210x400		1500	110-120	3
H420 FE	120x150	420x400	40-150	10000	55-60	3
H420 FED	120x150	210x400	40-150	2500	110-120	3
H420 FET	120x150	140x400	40-150	1500	150	3
H420 FEQ	105x150	105x400	40-150	1000	200	3
H380 3	80x100	125x300		700	210	3
H380 4	70x100	95x300		400	280	3
H360 S	120x150	360x300		2000	70	3
H360 D	90x100	180x300		1000	140	3
H360 FED	120x150	360x300	40-120	3000	60-65	3
H360 FET	90x100	180x300	40-120	1500	120-130	3
H360 FEQ	80x100	120x300	40-70	750	180-195	3
H360 3	70x100	90x300	40-50	300	240	2
H360 4	50x50	90x240		250	320	2
H330 6	50x50	65x240		40	340	1
H330 3	50x50	110x240		600	165	1
H320 S	120x150	320x300		2000	70	3
H320 D	90x100	160x300		750	140	3

FE: Stand-up pouch simplex; FED: Stand-up pouch duplex; FET: Stand-up pouch triplex; FEQ: Stand-up pouch 4-up; FE6: Stand-up pouch 6-up; S: Flat pouch simplex; D: Flat pouch duplex; 3: Flat pouch triplex; 4: Flat pouch 4-up; 6: Flat pouch 6-up

Horizontal H Series

Optionals

Products	H640 3	H640 4	H640 FET	H640 FEQ	H570 D	H570 3	H570 FET	H540 FET	H540 FE6	H440 FET	H440 FEQ	H440 3	H440 4	H440 FED	H420 S	H420 D	H420 FE	H420 FED	H420 FET	H420 FEQ	H380 3	H380 4	H360 S	H360 D	H360 FE	H360 FED	H360 FET	H360 FEQ	H360 3	H360 4	H330 6		
Liquid / paste	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Pieces	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Powder	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Granules	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Closing Pouch Systems																																	
Zipper	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Corner spout	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Top spout	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Frontal spout	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Straw applicator	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Automations and User Friendly																																	
Automatic changeover	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Quick changeover	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Autosplice unwinder	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Die-Cut Solutions																																	
Die-cut	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Tear notch	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Eurohole	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Hole punch	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Double scissors	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Laser cut	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Round edges	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Coding Systems																																	
Laser	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Inkjet	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Thermo transfer	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Emboss code	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Hygienic Solutions																																	
Gas flush	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Laminar flow	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
UV lamp	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		
Washdown	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ		

FE: Stand-up pouch simplex **FED:** Stand-up pouch duplex **FET:** Stand-up pouch triplex **FEQ:** Stand-up pouch 4-up **FE6:** Stand-up pouch 6-up
S: Flat pouch simplex **D:** Flat pouch duplex **3:** Flat pouch triplex **4:** Flat pouch 4-up **6:** Flat pouch 6-up

Horizontal H Series

Optionals

Products	H320 S	H320 D	H320 FE	H320 FET	H320 FEQ	H320 3	H320 4	H260 FE	H260 D	H260 FED	H260 S	H220 S	H220 D	H220 FE	H220 FED	H180 S	H180 D	H180 FE	H170 S	H170 D	H170 FE	H150 S	H150 D	H150 FE	H145 S	H145 D	H140 FE	H140 S	H130 D	H100 S
----------	--------	--------	---------	----------	----------	--------	--------	---------	--------	----------	--------	--------	--------	---------	----------	--------	--------	---------	--------	--------	---------	--------	--------	---------	--------	--------	---------	--------	--------	--------

Liquid / paste	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Pieces	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Powder	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Granules	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗

Closing Pouch Systems

Zipper	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Corner spout	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Top spout	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Frontal spout	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Straw applicator	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗

Automations and User Friendly

Automatic changeover	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Quick changeover	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Autosilence unwinder	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗

Die-Cut Solutions

Die-cut	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Tear notch	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Eurohole	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Hide punch	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Double scissors	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Laser cut	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Round edges	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗

Coding Systems

Laser	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Inkjet	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Thermo transfer	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Emboss code	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗

Hygienic Solutions

Gas flush	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Laminar flow	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
UV lamp	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Washdown	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗

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MODELS

HCRM640, HCM420

The fastest and most flexible horizontal packaging machine on the market produces 60% more in comparison to a conventional HFFS machine. It combines continuous motion, capable of producing 150 pouches per minute. The HCM will allow you to present your product with the most innovative design. All models allow the installation of top and edge cap applicators, zipper applicators, straw applicators, total inert gas chambers, as well as other customized accessories. The machine can also be supplied with any dosing system and accessory upon request.



HCRM640	HCM420
---------	--------

	Advanced Maintenance
	Alpha Inside
	Connectivity
	Recyclable body
	Autobackserver
	Autospeaker
	Autopilot

★ Optional

30

Horizontal CMR Series

MODELS CMR1500, CMR1250, CMR1100

High production speed solution with industry leading efficiencies

Mespack CMR is a continuous motion roll-stock solution, which presents multiple sealing stations, seal cooling, dual pouch clamps that grip both sides of the pouch, and a travelling top sealing unit result in superior quality pouches.

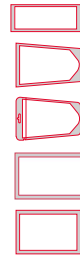
Thanks to the inherent benefits of continuous motion and our travelling funnels, the CMR solutions are capable to produce up to 200 pouches per minute.

Continuous Motion Filling Section:

Solids - Granules



Packaging Formats



Smart Functions



Closures Applications



Zipper



CMR

Horizontal CMR Series, HCM Series

Mespack Grippers Management System (HCM)

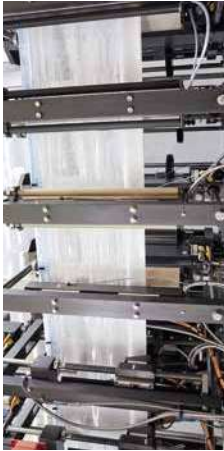


Special Conveyor Belt (CMR)



The gripper width for all sealing jaws is adjustable from the HMI via the Mespack Grippers Management System (MGMS). Auto-positioning of all the machine's rear grippers allows for perfect clearance of the filling area, as well as adequate cleaning and sanitizing.

Sealing Stations (CMR)



Our experience in flexible packaging has allowed us to offer an automatic changeover system for sealers, which reduces adjustment time and human error. Additionally, it is a tool-less operation.

Make your format changes in just 20 minutes

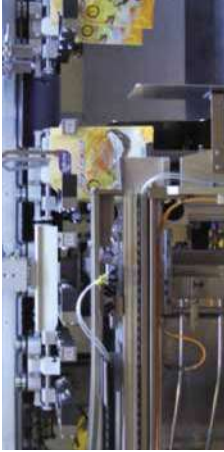


Automatic Quick Changeover (CMR)



CMR's automatic quick changeover system allows for a quick width change from one format to another.

Mespack HCM solutions increase liquid production speed by 30% as a result of its continuous filling system



Technical Specifications

MACHINE	POUCH SIZE MIN (mm)	POUCH SIZE MAX (mm)	GUSSET MIN MAX (mm)	MAX VOLUME (co)	OUTPUT (bags/hr)	FILLING STATION
CMR1500	101.6x152.4	304.8x381	0-127	5,000	100	Traveling funnels
CMR1250	101.6x152.4	241.3x381	0-127	3,000	140	Traveling funnels
CMR11	101.6x152.4	304.8x381	0-127	5,000	140	Traveling funnels
HCM640 FEQ	120x150	160x300	40 - 150	1,000	280	3
HCM420 FED	120x150	210x400	40 - 150	2,000	120	3

Main Standard Features

- 18.5" color touch screen
- Independent unwind system with autosplice features (optional)
- Automatic adjustment control of seal jaws position (optional)
- Automatic hole punch correction system for stand up pouches
- Servo driven change over system for forming plough
- Triple pouch opening system through vacuum, air jet & mechanical device
- Pouch reject station
- PLC automatic lubrication system
- Roller servo driven stroke indexing system
- Ultraclean versions (optional)
- Laser coders and scorers (optional)
- ATEX compliance (optional)
- Film sterilization system (optional)
- Laminar flow (optional)
- M.A.P. (Modified Atmosphere Packaging)
- Ultrasonic sealing (optional)

Optionals

CMR1500	CMR1250	CMR11	HCM640 FEQ	HCM420 FED

Products

Liquid / pasty	-	-	-	-
Pieces	-	-	-	-
Powder	-	-	-	-
Granules	-	-	-	-

Closing Pouch Systems

Zipper	-	-	-	-
Corner spout	-	-	-	-
Top spout	-	-	-	-
Frontal spout	-	-	-	-
Straw applicator	-	-	-	-

Automations and User Friendly

Automatic changeover	-	-	-	-
Quick changeover	-	-	-	-
Autosplice unwinder	-	-	-	-

Die-Cut Solutions

Die-cut	-	-	-	-
Tear notch	-	-	-	-
Eurohole	-	-	-	-
Hole punch	-	-	-	-
Double scissors	-	-	-	-
Laser cut	-	-	-	-
Round edges	-	-	-	-

Coding Systems

Laser	-	-	-	-
Inkjet	-	-	-	-
Thermo transfer	-	-	-	-
Emboss code	-	-	-	-

Hygienic Solutions

Gas flush	-	-	-	-
Laminar flow	-	-	-	-
UV lamp	-	-	-	-
Washdown	-	-	-	-

FED: Stand-up pouch duplex FEQ: Stand-up pouch 4-up

Horizontal HIM Series

MODELS
HIM570

High-efficiency solution with intermittent motion for pieces and powder products

Mespack HIM570 incorporates state-of-the-art technology and high precision mechanics, while guaranteeing extremely high efficiency and excellent performance. It is easy to operate and requires minimal maintenance, which makes it

an ideal solution for the food industry. This machine has been specially developed to meet WDA and USDA standards for the design and construction of dairy processing equipment.

Intermittent Motion Filling Section:
Solids · Granules · Powders



Unwinder Section:

- Standard unwinder
- Servo driven unwinder
- Unwinder with 2 reels
- Automatic unwinder with 2 reels



Forming Section:

- Zipper applicator
- Sealing
- Die-cut
- Tear notch
- Cutting units or laser cut
- Servo driven pouch pulling
- Sealing cameras



Transport Section:

- Transfer
- Pouch open and shrink
- Pouch stretch
- Intermittent motion top seal
- Static top sealing cooling



Pouch Exit Section:

- Pouch reject

Packaging Formats



Closures Applications



Zipper

Smart Functions



* Optional



Horizontal HIM Series

Mespack Grippers Management System



The gripper width for all sealing jaws is adjustable from the HMI via the Mespack Grippers Management System (MGMS). Auto-positioning of all the machines rear grippers allow the filling area to be perfectly cleared, as well as adequately cleaned and sanitized.

Automatic Adjustment of Sealing Jaw Position



The automatic quick changeover is controlled by servo and can easily be performed by HMI. Furthermore, it avoids operator errors during the changeover process.

Make your format changes in just 20 minutes



Carrousel Transport System



The Mespack mechanical carrousel system offers the possibility of using intermittent or continuous motions to discharge. Moreover, due to its grippers management system, extra volume can be used with a higher speed.

Triple Pouch Opening System Through Air Jets and Mechanical Actuators



The Mespack triple pouch opening system can perform an aperture of three pouches at the same time with a unique actuator.

Special Knives



The knives are constructed from special thermally treated steel, which increases durability. Furthermore, the changeover can be performed without tools.

Technical Specifications

MACHINE	POUCH SIZE MIN (mm)	POUCH SIZE MAX (mm)	GUSSET MIN-MAX (mm)	MAX VOLUME (cc)	OUTPUT (p.p.m.)	FILLING STATION
HIM570 FED	152x217	254x406	40 - 150	4,000	100	1
HIM570 FET	152x217	254x406	40 - 150	4,000	150	1

Main Standard Features

- 18.5" color touch screen
- Independent unwind system with autosplice features (optional)
- Automatic adjustment control of seal jaws position (optional)
- Automatic hole punch correction system for stand up pouches
- Servo driven changeover system for forming plough
- Triple pouch opening system through vacuum, air jet & mechanical device
- Pouch reject station
- PLC automatic lubrication system
- Roller servo driven stroke indexing system
- Ultraclean versions (optional)
- Laser coders and scorers (optional)
- ATEX compliance (optional)
- Film sterilization system (optional)
- Laminar flow (optional)
- M.A.P. (Modified Atmosphere Packaging)
- Ultrasonic sealing (optional)

Optionals

Products	HIM570 FED	HIM570 FET
Liquid / paste	-	-
Pieces	Ⓢ	Ⓢ
Powder	Ⓢ	Ⓢ
Granules	-	Ⓢ
Closing Pouch Systems		
Zipper	Ⓢ	Ⓢ
Corner spout	-	Ⓢ
Top spout	-	-
Frontal spout	-	-
Straw applicator	-	-
Automations and User Friendly		
Automatic changeover	Ⓢ	Ⓢ
Quick changeover	Ⓢ	Ⓢ
Autosplice unwinder	-	Ⓢ
Die-Cut Solutions		
Die-cut	Ⓢ	Ⓢ
Tear notch	Ⓢ	Ⓢ
Eurohole	Ⓢ	Ⓢ
Hole punch	Ⓢ	Ⓢ
Double scissors	Ⓢ	Ⓢ
Laser cut	Ⓢ	Ⓢ
Round edges	Ⓢ	Ⓢ
Coding Systems		
Laser	Ⓢ	Ⓢ
Inkjet	Ⓢ	Ⓢ
Thermo transfer	Ⓢ	Ⓢ
Emboss code	Ⓢ	Ⓢ
Hygienic Solutions		
Gas flush	Ⓢ	Ⓢ
Laminar flow	-	-
UV lamp	Ⓢ	Ⓢ
Washdown	Ⓢ	Ⓢ

FED: Stand-up pouch duplex FET: Stand-up pouch triplex

Horizontal

Ultra-High Speed Series

MODELS
Servoriginal

**The market fastest continuous
motion solution for flat pouch**

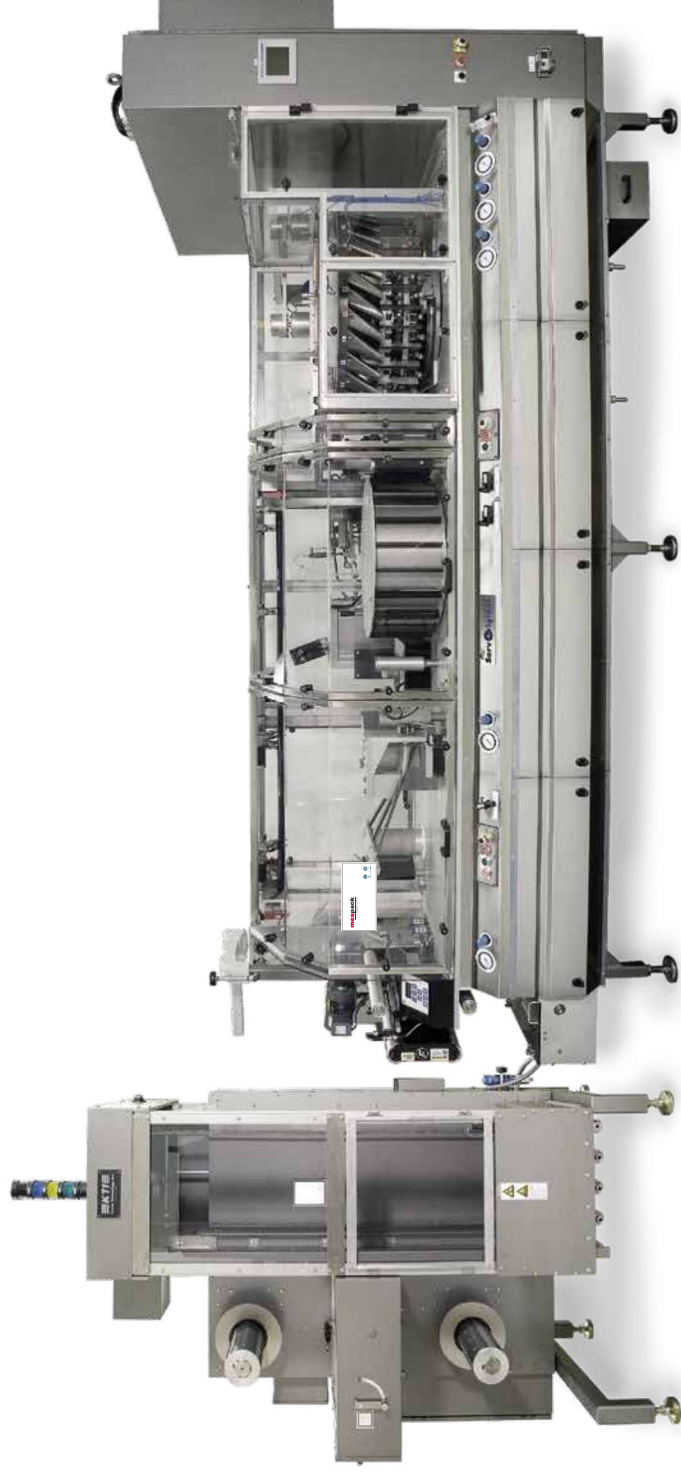
Mespack Cloud Servoriginal is 25% faster than any other HFFS.

It is the gold standard workhorse, capable of three or four-sided seals for flat pouches.

Furthermore, the HFFS machine is able to process up to 7200 linear inches of film per minute (25.4 mm width). Automatic

web splicing is done at zero speed with no line cessations while servo motion controls, assures consistent pouch forming as the material moves onto the vertical sealer.

The possible applications are cocoa, spices, sweeteners, powdered cheeses, etc.



Packaging Formats



Smart Functions



* Optional



Servoriginal

Horizontal

Ultra-High Speed Series

MODELS

Performa, Performa SP

The market fastest continuous motion solution for flat pouch

Mespack Ultra-High Speed solution Performa is specifically designed for sweetener operations. It is 37% to 40% faster than other equivalent high-speed machines on the market. It is an easy-to-operate, easy-maintenance, computer controlled,

all-servo drive pouch packaging system for high speed and high-volume, with continuous motion horizontal form, fill and seal applications. It is designed for exact count collations and achieves ultra-accurate fills.



Packaging Formats



Smart Functions



Autosync



Advanced Maintenance

• Optional



Horizontal Ultra-High Speed Series

Up to 98% Efficient



Based on product type and packaging requirements, the Mespack team of engineers can customize pouch-filling solution to suit your needs and provide maximum productivity and effectiveness.

UHS Rotary Cutting System



The Mespack UHS rotary cutting system is servo driven and controlled by HMI. It helps to increase the line efficiency.

Second Feed Drive



This is the second film drive. It functions as the finishing top seal while the film is being pulled.

Autosplice Unwinder



An auto-splicer allows the operator to expeditiously splice film, thus minimizing scrap and downtime.

Fast, Reliable and High Quality Results



It is designed for flexibility and meets all the requirements that your application needs. This machine is the ultimate in regard to high speed and volume. It is the gold standard workhorse and is capable of using three or four sided seals for flat pouches.

UHS Top Sealer



The Mespack UHS top sealer is a continuous sealing system. It is specially designed to avoid film burn in the event of machine stops.

Technical Specifications

MACHINE	POUCH SIZE MAX (mm)	POUCH SIZE MAX (mm)	MAX VOLUME (kg)	OUTPUT (bags/hr)	FILLING SYSTEM	TRANSPORT SYSTEM
PERFORMA	25.4x25.4	88.9x177.8	110	2,200	28" diameter filler wheel	Servo
PERFORMA SP	25.4x25.4	88.9x101.6	50	2,880	38" diameter filler wheel	Servo
SERVORIGINAL	25.4x25.4	177.8 x 177.8	400	2,880	40" diameter filler wheel	Servo

Main Standard Features

- Autosplice unwinder
- Full servo version
- Compact footprints
- Tool-less changeovers for less downtime
- Higher throughput for film and product savings
- Up to 98% efficient
- Fast, reliable, and high level quality results
- Uses familiar PLC logic for digital I/O control
- Full featured diagnostic operator's panel

MVP® Maximum Volume Pouch

Among its many patented features, this equipment utilizes our MVP system, which immediately uses a curtain of air prior to filling, in order to create ideal pouch openings. Developed on product type and packaging requirements, our engineers will create a custom pouch-filling solution to suit your needs and provide maximum productivity.

Easy Cleaning

Every element of the equipment series is designed for ease of use and productivity. For instance, our engineers can build the optional filler sections to allow disassembly for easy cleaning.

Superior Control, Superior Integration

We use Siemens or Allen-Bradley controls for reliability and the highest possible precision for all equipment functions. This includes every functions along the web path, product filling, pouch sealing, as well as the integration with all possible downstream and secondary packaging functions.

Options

	PERFORMA	PERFORMA SP	SERVORIGINAL
Products			
Liquid / paste	-	-	-
Pieces	Ⓢ	Ⓢ	Ⓢ
Powder	Ⓢ	Ⓢ	Ⓢ
Granules	Ⓢ	Ⓢ	Ⓢ
Automations and User Friendly			
Automatic changeover	-	-	-
Quick changeover	-	-	-
Autosplice unwinder	Ⓢ	Ⓢ	Ⓢ
Die-Cut Solutions			
Die-cut	-	-	-
Tear notch	Ⓢ	Ⓢ	Ⓢ
Eurohole	-	-	-
Hide punch	-	-	-
Double scissors	-	-	-
Laser cut	-	-	-
Round edges	-	-	-
Coding Systems			
Laser	Ⓢ	Ⓢ	Ⓢ
Inkjet	Ⓢ	Ⓢ	Ⓢ
Thermo transfer	-	-	-
Emboss code	-	-	-
Hygienic Solutions			
Gas flush	Ⓢ	Ⓢ	Ⓢ
Laminar flow	-	-	-
UV lamp	-	-	-
Washdown	-	-	-

Horizontal Pre-Made Pouches HF Series

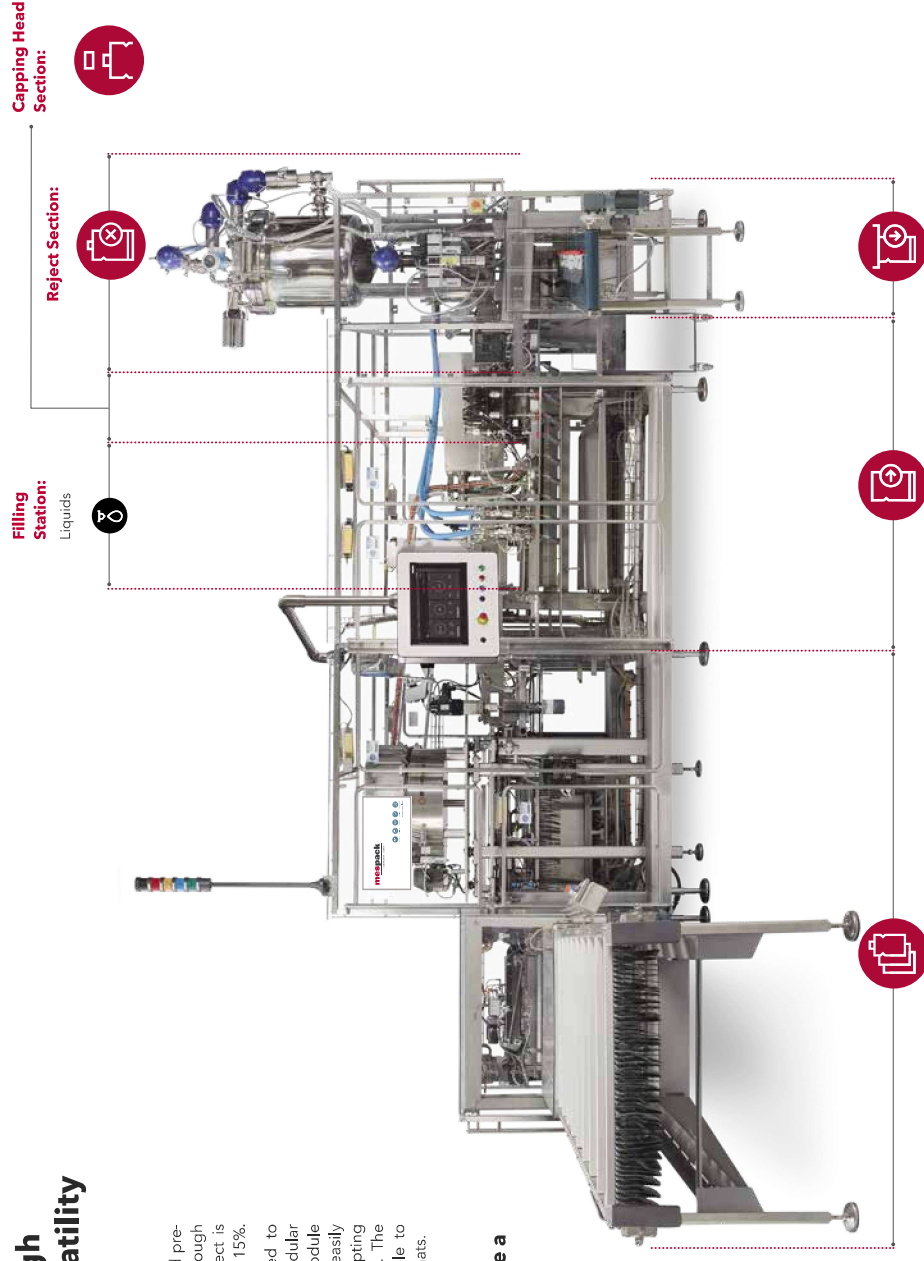
MODELS
HF4800, HF2400, HF1200

The HF Series fills through the spout with high versatility

The new HF Series works with top and edge spouted pre-made pouches. Due to continuous motion filling through the spout, headspace is reduced and the wave effect is prevented, which reduces the amount of film usage by 15%.

This model is especially thought-out and designed to guarantee immense versatility. As a result of its modular design, the HF Series allows for a pouch forming module to replace the automatic rail loading system. It is easily distinguishable for increasing output capacity by adapting the machine to be operable with additional lanes. The flexibility of the HF Series is profound, as it is able to simultaneously work with different products and formats.

The HF2400 and HF4800 can be configured to simultaneously package a variety of products and formats.



Pouch Infeed Section:

- Rail buffer
- Intelligent line diverter
- Code printer
- Pouch check camera

Transport Section:

- Filling system
- Spout cleaning
- Cap applicator

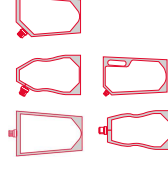
Pouch Exit Section:

- Systems: ramp, conveyor belt or pick and place
- Cameras to control the pouch aspect

Smart Functions

- * AutoChanger
- * Reelable Ready
- * Advanced Maintenance
- * Optional
- Connectivity
- Alarm Inside

Packaging Formats



Closures Applications

- Corner cap
- Top cap



HF Series

Horizontal Pre-Made Pouches HF Series

Pouch Infeed Buffer



This buffer is a customized solution, specially designed to have enough room for growth. Furthermore, it can be replaced by a pouch forming module in order to produce your own pouches thereby lowering per pouch costs. This makes it an extremely adaptable machine.

Filling Stations



The continuous dosing system is equipped with a hygienic nozzle design. Additionally, a special in-line spout cleaning system, which sprays filtered water, ensures the removal of residual product on the spout or pouch.

Filling Through the Spout



Thanks to the continuous filling system through the cap, up to 15% of the headspace is reduced by avoiding the wave effect.

This product series has been modularly designed, which eases operator use.

Star System For Pouch Transportation



The star system not only operates as separator for the stream of pouches, but it is also used for code printing and visual inspection with in-place pouch rejection.

New Controls: Athena



In harmony with its straightforward usability, this series of machines continues to use the Athena platform, with which the operator can monitor, at all times, the OEE ratio as well as that of rejected pouches, among others.

Adapted to Work with Sustainable Materials



The HF Series, follows a completely sustainable concept from the origin of its design. These machines save raw material in containers, as a result of the continuous pouch filling, which avoids the wave effect. Furthermore, the HF Series was created from inception with the vision to operate with sustainable materials.

Technical Specifications

MACHINE	POUCH SIZE MIN (mm)	POUCH SIZE MAX (mm)	OUTPUT (p.p.m.)	MAX VOLUME (c.c.)	POUCH TYPE	FILLING STATION
HF4800	70x100	160x300	260	1,000	Pre-made	-
HF2400	70x100	160x300	160	1,000	Pre-made	-
HF1200	70x100	160x300	80	1,000	Pre-made	-

Main Standard Features

- Works with top or corner spouted pre-made pouches
- Intelligent automatic rail loading system
- Possibility of adding HFS (Horizontal Fill and Seal) module
- Additional station for laser or inkjet encoders
- Pouch inspection station for vision cameras
- Reduction in packaging headspace for liquid and pasty products
- Continuous dosing system
- Ability to simultaneously use different products and volumes (2 - 4 lanes machine)
- Spout cleaning prior to capping
- Cap cleaning (optional)
- Athena enabled (HMI and I/O)
- ATEX compliance (optional)
- Laminar flow (optional)
- Washdown (optional)
- Open frame design: low maintenance and total machine accessibility
- Easy to operate
- Compact and hygienic design

Optionals

HF1200	HF2400	HF4800
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Products

Liquid / pasty	ⓐ	ⓐ	ⓐ
Pieces	-	-	-
Powder	-	-	-
Granules	-	-	-

Closing Pouch Systems

Zipper	-	-	-
Corner spout	ⓐ	ⓐ	ⓐ
Top spout	ⓐ	ⓐ	ⓐ
Frontal spout	-	-	-
Straw applicator	-	-	-

Coding Systems

Laser	ⓐ	ⓐ	ⓐ
Inkjet	ⓐ	ⓐ	ⓐ
Thermo transfer	-	-	-
Emboss code	-	-	-

Hygienic Solutions

Gas flush	ⓐ	ⓐ	ⓐ
Laminar flow	ⓐ	ⓐ	ⓐ
UV lamp	ⓐ	ⓐ	ⓐ
Washdown	ⓐ	ⓐ	ⓐ

Horizontal Pre-Made Pouches HSC Series

MODELS
H570 SC, H440 SC, H320 SC, H260 SC, H180 SC

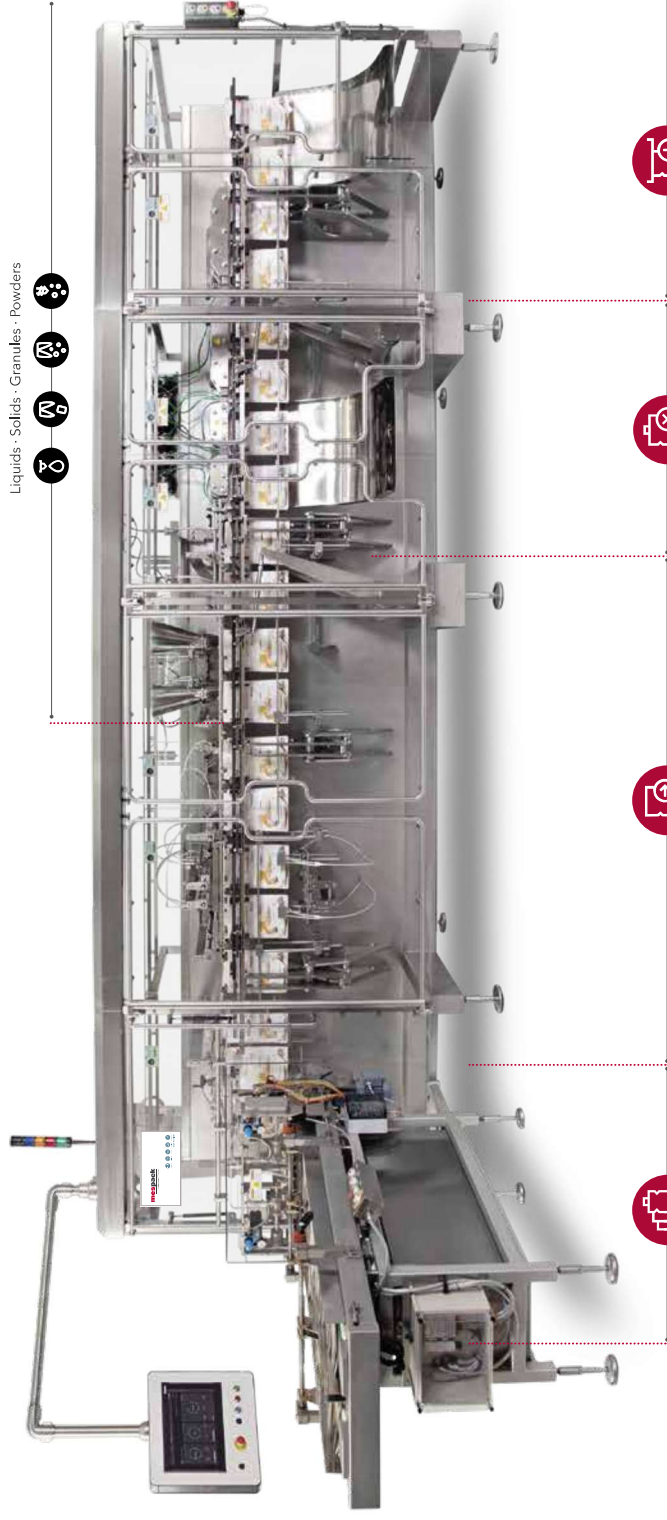
The HSC Series operates with every type of pre-made pouch and offers the freedom to use a complete variety of pouches

The HSC Series is compatible with all types of pre-made pouches, and offers the freedom to use any pouch which is available to the customer. Furthermore, it is able to dose liquids, solids, granules and powder. The HSC Series is composed of a pouch feeding conveyor, a pick and place system, and a transfer mechanism that places the pre-made pouches on a walking beam. Then, the main module opens, fills and performs the top seal. Available

optional equipment includes a full range of items, such as coders, hole punchers, notchers, cap firmers, spout applicators, as well as various filling systems for powder, granules, liquids, and pasty products. Moreover, we are able to install multithread weighers. A variety of models are available in accordance with pouch dimensions, volumes, and capacities.

Filling Station:

Liquids · Solids · Granules · Powders



Pouch Infeed Section



Transport Section:

- Opening, stretching, pulling
- Top sealing jaw
- Ultrasonic sealing jaw



Reject Section



Pouch Exit Section:

- Systems: ramp, conveyor belt or pick and place
- Cameras to control the pouch aspect

Smart Functions



Autochanger



Recipe Study



Connectivity



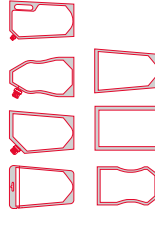
Advanced Maintenance



Athena Inside

• Optional

Packaging Formats



Closures Applications



Zipper



Corner cap



Top cap

Horizontal Pre-Made Pouches

HSC Series

Dosing Station with Integrated Edge Cap



The current generation edge cap applicator incorporates state-of-the-art technology whilst guaranteeing high efficiency and quality. The edge cap is sealed during the formation process prior to filling.

Additional Station for Laser or Inkjet Encoders



We have a wide variety of coding systems, such as laser or inkjet encoders allowing for the printing of product expiration dates, QR codes, and barcodes, etc.

Technical Specifications

MACHINE	POUCH SIZE MIN (mm)	POUCH SIZE MAX (mm)	OUTPUT (b.p.m)	MAX VOLUME (c.x)	POUCH TYPE	FILLING STATION
H570 SCD	140x150	285x350	80	3000	Pre-made duplex	3
H570 SCT	140x150	190x350	150	1600	Pre-made triplex	3
H440 SC	100x120	440x350	50	3000	Pre-made simplex	3
H440 SCD	100x120	220x350	100	2000	Pre-made duplex	3
H440 SCT	100x120	145x350	150	1000	Pre-made triplex	3
H440 SCQ	100x120	110x350	200	750	Pre-made quadruplex	3
H320 SC	90x120	320x350	50	3000	Pre-made simplex	3
H320 SCD	90x120	160x350	100	1000	Pre-made duplex	3
H260 SC	80x120	260x300	50	2500	Pre-made simplex	3
H260 SCD	80x120	130x300	100	800	Pre-made duplex	3
H180 SC	80x120	190x300	50	1500	Pre-made simplex	3



New Controls: Athena

The HSC Series is already equipped to operate with Athena. Due to this, the operator will be able to monitor the status of the pouch quality and filling, as well as ensure that the equipment output is correct.



Adapted to Work with Sustainable Materials

The HSC Series is equipped to operate with pre-made pouches that are manufactured with all sustainable material films: mono-material, recycled, ready to recycle, biodegradable, etc.

This is possible even if the pouch has a cap closing system. The spout preheating system aids in the adaptation to sustainable material pouches. Preheating of the spout allows for the welding of the inner layers at lower temperature, thus ensuring the quality of the pouch.

Only one operator is required to perform the manual loading of pre-made pouches



Main Standard Features

- Additional station for laser or inkjet encoders
- Pouch inspection station for vision cameras
- Athena enabled (HMI and IloT)
- ATEX compliance (optional)
- Laminar flow (optional)
- Washdown (optional)
- Easy to operate

Optionals

Products	H570 SCD	H570 SCT	H440 SC	H440 SCD	H440 SCT	H320 SC	H320 SCD	H260 SC	H260 SCD	H180 SC
Liquid / paste										
Pieces										
Powder										
Granules										

Closing Pouch Systems

Zipper										
Corner spout										
Top spout										
Frontal spout										
Straw applicator										

Coding Systems

Laser										
Inkjet										
Thermo transfer										
Emboss code										

Hygienic Solutions

Gas flush										
Laminar flow										
UV lamp										
Washdown										

SC: Simplex SCD: Duplex SCT: Triplex SCQ: Quadruplex

Horizontal Pre-Made Pouches HSC Series

H570SC



H320SC



H440SC



H180SC



H260SC



Horizontal Pre-Made Pouches

HMRSC Series

MODELS
HMR305 SC, HMR180 SC

The HMRSC Series is a new carrousel system solution to expand the horizontal pre-made machines range.

The HMRSC Series is an innovative horizontal fill and seal machine that is integrated with Mespac's latest technology. This series has been developed to expand the range of horizontal pre-made solutions. These machines have the ability

to operate in intermittent or continuous motion depending on the product, available to work with different product types, such as liquids, powders, granules, and solids.



Smart Functions

-  Autodiagnostics
-  Recyclable Ready
-  Connectivity
-  Allerna Inside
-  Advanced Maintenance
-  * Optional

Packaging Formats



Closures Applications

-  Zipper
-  Corner cap



HMR 305 SC



HMR180 SC

Horizontal Pre-Made Pouches HMRSC Series

Quick Changeovers



The Mespack HMRSC Series allows you to make format quick changeovers in less than 5 minutes

Infeed Conveyor



Our infeed conveyor is able to work with different pouch types, such as flat pouches, stand-up pouches, box pouches, zipper or corner cap pouches, etc. Up to 4 rails.

Mespack Grippers Management System with Automatic Quick Changeover in Carousel



The grippers width of all Mespack Grippers Management (MGMS) System is adjustable from the HMI. Auto-positioning of all the machine's rear grippers allows for perfect clearance of the filling area, as well as adequately cleaned and sanitized.

Carrousel Transport System



The Mespack mechanical carousel system has intermittent or continuous motions to perform the filling process. Furthermore, and subsequently, the machine operates at a higher speed, allowing for more volume dosing.

Innovative Transfer between Infeed Conveyor and Machine



The new Mespack transfer is specially designed in order to increase production speed by up to 30%.

Only one operator is required to perform the manual loading of pre-made pouches



Technical Specifications

MACHINE	POUCH SIZE MIN (mm)	POUCH SIZE MAX (mm)	OUTPUT (p./m.)	MAX VOLUME (c/c.)	POUCH TYPE	FILLING STATION
HMR305 SCD	140x140	305x400	140	5000	Flat, Stand-up, Box Pouch	2-5
HMR305 SCD	140x140	1505x400	260	5000	Flat, Stand-up, Box Pouch	2-5
HMR180 SCD	100x140	180x300	150	1500	Flat, Stand-up, Box Pouch	2-5
HMR180 SCD	100x140	90x300	280	1500	Flat, Stand-up, Box Pouch	2-5

D: Flat pouch duplex Q: Flat pouch quadruplex

Main Standard Features

- 18,5" color touch screen
- Work with different pre-made pouch types such as flat pouches, stand-up pouches, box pouches, etc.
- Additional station for laser or inkjet encoders
- Intermittent or continuous dosing system available
- Carousel transport system
- Athena enabled (HMI and IloT)
- Easy to operate
- Laminar flow (optional)
- Washdown (optional)

Optionals

HMR305 SCD	HMR180 SCD	HMR180 SCD
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Products

Liquid / paste	Q	Q	Q
Pieces	Q	Q	Q
Powder	Q	Q	Q
Granules	Q	Q	Q

Closing Pouch Systems

Zipper	Q	Q	Q
Corner spout	Q	Q	Q
Top spout	-	-	-
Straw applicator	-	-	-

Coding Systems

Laser	Q	Q	Q
Inkjet	Q	Q	Q
Thermo transfer	Q	Q	Q
Emboss code	Q	Q	Q

Hygienic Solutions

Gas flush	Q	Q	Q
Laminar flow	Q	Q	Q
UV lamp	Q	Q	Q
Washdown	Q	Q	Q



New Controls: Athena



Adapted to Work with Sustainable Materials

Horizontal Pre-Made Pouches

IMP Series

MODELS
IMP1750, IMP1500

**The most flexible and reliable
pre-made pouch solutions**



* Shown with optional
infeed conveyor

Mespack IMP is an intermittent motion pre-made fill-seal stand-up pouch solution, which provides a wide variety of packaging options in one base machine. The IMP Series delivers extreme flexibility to our customers by being able to accommodate small to large packages, various package styles, automatic fill, manual fill, as well as a combination

of packages and numerous other options for specific products. These solutions are perfect options for companies that want to begin discovering the exciting and growing world of stand up, reclosable package styles.

Packaging Formats



Smart Functions



* Optional



IMP Series

Horizontal Pre-Made Pouches IMP Series

Traveling Funnel



Our traveling funnel is used for such a continuous as an intermittent motion machines. This system significantly increases the speed of the machine.

Infeed Conveyor



Our infeed conveyor system includes a 3-phase motor for destacker and flapper wheels and three photoelectric sensors to secure the position when transfer into the machine occurs.

Adaptability



The IMP Series is engineered to specific customer needs; accommodating unique package shapes / designs and multiple filling options. IMP Series Machines can adapt to as many additional filling stations as needed.

Tool-Less Funnel and Baffle Changeover



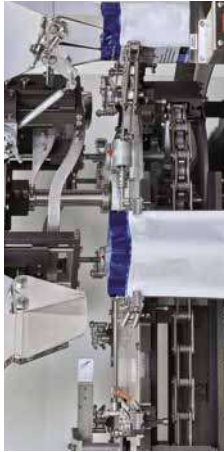
This quick changeover tool-less system for funnels and baffles is designed to enhance format change time.

Pouch Opening System



The pouch opening system includes pneumatic actuators and vacuum cups to ensure that there is an optimal aperture before the filling station.

Flexibility



The IMP Series can operate with packages that contain as little as a few ounces to greater than 12 pounds. The impressive filling options include: multi-head weighing, augers, cup fillers and manual. Customers are also able to perform a combination of automatic and manual fillings.

Technical Specifications

MACHINE	POUCH SIZE MIN (mm)	POUCH SIZE MAX (mm)	OUTPUT (pc./m.)	MAX VOLUME (cwt)	POUCH TYPE	FILLING STATION
IMP1750	101.6x203.2	369x381	45	10,000	Pre-made simplex	Traveling funnels
IMP1500	101.6x152.4	304.8x381	50-60	5,000	Pre-made simplex	Traveling funnels

Main Standard Features

- Servo motion for key operating areas
- Variety of control/servo combinations
- Tool-less funnel and baffle changeover
- Mechanical pouch opening system which increases efficiencies
- Traveling funnel
- Tool-less funnel and baffle changeover (in case of no duckbill required)

Operations

Pre-made packages are automatically fed from a manually loaded in-feed conveyor.

Packages are individually picked up and placed into indexing dual package clamps, which securely hold the package throughout the process.

A mechanical zipper opening system opens package, and a concentrated air blast, ensure that packages are fully open prior to filling. A quality control system rejects defective packages.

A timing hopper dumps product into a following funnel which loads packages.

A suitable filling system fills the timing hopper.

There is an optional system positioned under loading stations to ensure package stability.

Properly sealed packages continue to the top-seal and top-seal cooling areas.

Optionals

Products	IMP1500	IMP1750
Liquid / paste	-	-
Pieces	-	ⓐ
Powder	-	ⓐ
Granules	-	ⓐ

Closing Pouch Systems

Zipper	ⓐ
Corner spout	-
Top spout	-
Frontal spout	-
Straw applicator	-

Automations and User Friendly

Automatic changeover	-
Quick changeover	ⓐ
Autosplice unwinder	-

Coding Systems

Laser	ⓐ
Inkjet	ⓐ
Thermo transfer	ⓐ
Emboss code	-

Hygienic Solutions

Gas flush	ⓐ
Laminar flow	ⓐ
UV lamp	-
Washdown	ⓐ

Horizontal Pre-Made Pouches RMSC Series

MODELS RM260 SC

The rotary machine with the most reduced footprint and quickest changeover

The RM260 SC is a more compact machine from the IMP Series; it has a reduced footprint that is operable with pre-made stand-up pouches.

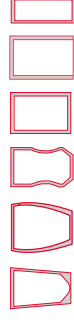
The series provides wide a wide variety of options, which include packaging sizes, filling types, and customer specific needs. This machine model is the optimum commencement point for entering the stand-up and resealable pouch market.

It is ideal for companies that specialize in producing powder, granules, piece and liquid products.

The compact design promotes uncomplicated and expeditious operation, including swift adjustment options to reduce time during the production process.



Packaging Formats:



Smart Functions



RMSC Series

Horizontal Pre-Made Pouches RMSC Series

Auto-Changeover



The pouch clamps have an innovative auto changeover feature, hence allowing for an HMI-recipe based push bottom changeover.

Pouch Opening System



The pouch opening system includes pneumatic actuators and vacuum cups, which ensure a good outstanding aperture prior to the filling station.

Product Settler (optional)



The system is available for bottom-oriented pouch agitation during the filling process to help settle the product below the top seal area. The height of the system is adjustable with the use of a quick release handle.

Infeed Conveyor



Our infeed conveyor system includes a 3-phase motor, which creates a destacker position for the transfer into the machine.

Filling Options



Multiple filling options available: auger and cup filler, multihead weigher, as well as vibratory feeders.

Technical Specifications

MACHINE	POUCH SIZE MIN (mm)	POUCH SIZE MAX (mm)	GUSSET MB-MAX (mm)	MAX VOLUME (g/L)	OUTPUT (kg/hr)	FILLING STATION	POUCH TYPE
RM260 SC	101x150	266x368	0-127	3400	Up to 60	1-2	Flat, Stand-up, and Quad Sealed Block Bottom Stand-up

Main Standard Features

Performance

- Servo driven with positive placement pouch clamps
- A unique pouch opening system
- Speeds of up to 60 pouches per minute

Efficiency

- Maximizes output and minimizes scrappage
- Adheres to funnel packs of difficult products and minimizes spillage
- Tool-free funnels
- Servo motor intelligence
- 15-Minute changeovers

Flexibility

- Wide range of packaging styles
- Extremely personalized to the customer
- Gas flushing options and more
- Automatic and manual filling

Optionals

Products	RM260 SC
Liquid / paste	Ⓢ
Pieces	Ⓢ
Powder	Ⓢ
Granules	Ⓢ

Closing Pouch Systems

Zipper	Ⓢ
Corner spout	-
Top spout	-
Frontal spout	-
Straw applicator	-

Automations and User Friendly

Automatic changeover	Ⓢ
Quick changeover	Ⓢ

Coding Systems

Laser	Ⓢ
Inkjet	Ⓢ
Thermo transfer	-
Emboss code	-

Hygienic Solutions

Gas flush	Ⓢ
Laminar flow	-
UV lamp	Ⓢ
Washdown	-

Operations

Pre-made pouches are automatically fed from a manually loaded in-feed conveyor. Pouches are individually gathered and placed into indexing dual package clamps; the pouches are securely held, throughout operation.

A mechanical zipper opening system closed pouches; a focused air, blast ensures that the packages are fully open prior to filling.

An optional timing hopper dumps the product into a stationary duckbill funnel that charges the pouch from below.

An optional product settler assembly can be installed under the loading station; this ensures package stability.

Optional systems are secured beneath loading stations to ensure package stability.

Properly filled pouches proceed to the top-seal and top-seal cooling areas.

Hybrid (Roll-Stock and Pre-Made)

IMH Series

MODELS
IMH1500

The most versatile pouch packaging solution
for start-up manufacturers which can run as
roll-stock or with pre-made pouches



Mespack IMH is an intermittent motion form-fill-seal solutions delivering a wide variety of packaging options in one base machine. The combination of being able to run pouches from roll-stock and a wide range of pre-made pouches and bags makes this our most versatile solution. These solutions are perfect options for companies that want to begin discovering the exciting and growing world of stand up, reclosable package styles.

Changes between roll-stock and pre-made can be done with a simple program adjustment. The funnels are provided with tool-less changeovers to ensure quick changing.

Packaging Formats



Smart Functions



• Optional



IMH Series

Hybrid (Roll-Stock and Pre-made) IMH Series

Traveling Funnel



Our traveling funnel is used for such a continuous as an intermittent motion machines. This system significantly increases the speed of the machine.

Infeed Conveyor



Our infeed conveyor system includes a 3-phase motor for destacker and flapper wheels and three photoelectric sensors to secure the position when transfer into the machine occurs.

Flexibility



The IMP Series run packages holding a few ounces to greater than 12 pounds. The impressive filling options include: multi-head weighing, augers, cup fillers and manual. Customers can also achieve a combination of automatic and manual filling.

Tool-less Funnel and Baffle Changeover



This quick changeover tool-less system for funnels and baffles is designed to enhance format change time.

Pouch Opening System



The pouch opening system includes Pneumatic actuators and vacuum cups to ensure a good aperture before the filling station.

Sealing Stations



Our experience in flexible packaging has allowed us to offer an automatic changeover system of sealers, which reduces the adjustment time, human error and it is a tool-less operation.

Technical Specifications

MACHINE	POUCH SIZE MIN (mm)	POUCH SIZE MAX (mm)	OUTPUT (gals./hr.)	MAX VOLUME (cu.)	POUCH TYPE	FILLING STATION
IMH1500	101.6x152.4	304.8x381	50-60	5,000	Pre-made simplex	Traveling funnels

Main Standard Features

- Servo motion for key operating areas
- Variety of control/servo combinations
- Tool-less funnel and baffle changeover
- Tool-less funnel and baffle changeover (in case of no duckbill required)

Optionals

Products	
Liquid / paste	-
Pieces	④
Powder	④
Granules	④
Closing Pouch Systems	
Zipper	④
Corner spout	-
Top spout	-
Frontal spout	-
Straw applicator	-
Automations and User Friendly	
Automatic changeover	-
Quick changeover	④
Autosplice unwinder	④
Die-Cut Solutions	
Die-cut	-
Tear notch	④
Eurohole	-
Hide punch	④
Double scissors	-
Laser cut	-
Round edges	-
Coding Systems	
Laser	④
Inkjet	④
Thermo transfer	④
Emboss code	-
Hygienic Solutions	
Gas flush	④
UV lamp	-
Washdown	④

Vertical MS Series

MODELS MS1200, MS1000, MS600, MS350

The most accurate stick pack machine
with the best integrated technology on
the market

Smart Functions



Athens Inside



Recyclable Ready



Advanced Maintenance

* Optional



Autotoggle



Autotoggle



Connectivity

* Optional

Filling Section:

Liquids - Solids - Granules - Powders



Packaging Formats



mespack
PERMANENT CONTAINERS

Unwinder Section:

- Servo driven unwinder

Transport Section:

- Vertical sealing
- Horizontal sealing
- Tear notch
- Die-cut

Reject Section:

- Individual reject available

Exit Section:

- Systems: ramp, conveyor belt or pick and place
- Grouping and string options

This machine is widely used for food or diet products, home and personal care, confectionary, pharmaceutical, among many others. The MS can be equipped with multiple dosing system configurations as well as special motorized systems for easy cleaning. Furthermore, it offers choices which can be installed in the machine upon request, including full-servo machines, ATEX compliance, laminar flow, a film sterilization system, laser coders, scorers, among others. Our objective is to continue being a leading market supplier of outstanding machines that are used for a multitude of products that require high speed and reliable production. A wide variety of stick packs in your single-serve packaging. Stick packs are a successful format for single-serve packaging. A wide range of stick packs are available, depending on the demands of the customer: bottle shaped stick pack, stick pack containing two or more products, and twin stick packs.



MS350



MS600



MS1000



MS1200

Vertical MS Series

Printing/Coding Area



The printing or coding area of the MS Series is integrated into the machine unwinder, thus additional protection is unnecessary. Moreover, the support for this area is independent, in order to avoid the possibility of vibrations.

Free Maintenance Access to the Interior of the Machine



Due to the easy opening design of sealing jaws, the machine maintenance can be performed with ease.

Technical Specifications

MACHINE	MIN STICK WIDTH (mm)	MAX STICK WIDTH (mm)	MIN STICK LENGTH (mm)	MAX STICK LENGTH (mm)	OUTPUT (kg/hr)	TYPE
MS1200 4	17	115	50	190	240-280	Stick pack
MS1200 6	17	90	50	190	360-420	Stick pack
MS1200 8	17	70	50	190	480-560	Stick pack
MS1200 10	17	50	50	190	600-700	Stick pack
MS1200 12	17	45	50	190	720-840	Stick pack
MS1200 14	17	35	50	190	840-1050	Stick pack
MS1200 16	17	30	50	190	960-1200	Stick pack
MS1200 18	17	28	50	190	1080-1350	Stick pack
MS1000 4	17	115	50	190	240-280	Stick pack
MS1000 6	17	70	50	190	360-420	Stick pack
MS1000 8	17	55	50	190	480-560	Stick pack

Full Servo Version



The full servo motorized solution gives you more coordinating control of the equipment's movements. The independent control of each group also allows for the increase of speed and ability to reach 80 cycles per minute.

Bottom Up Nozzle



Our special filling system is designed to avoid all types of product splash or foam on the horizontal seal. The simultaneous movement increases the sealing time of up to 40%.



New Controls: Athena



Adapted to Work with Sustainable Materials

Air Clean In Place



The air Clean In Place system (CIP) is a process to clean the filling circuit without disassembling the auger filler system, it reduces the product change time, and ensures optimal cleaning. This process consists of passing pressured air through the auger fillers and equipment parts that are in direct contact with the product.

Individual Exit Chute



Our vertical machine have an individual exit chute with reject possibility, which saves waste material.

Main Standard Features

- Independent servo driven film unwind system
- Pneumatical film brake system with proportional unwind speed
- Servo driven main film drive system
- Servo driven horizontal seal jaws
- Pneumatical expandible reel shaft
- Adjustable horizontal cutting knives (flat or zig-zag)
- Motor driven circular knives
- PLC independent temperature control seal bars
- PLC auto-controlled lubrication
- Free operation access to side of the machine
- Micro-switch protected transparent polycarbonate guardings
- Integrated electrical cabinet (optional)
- Full servo version available
- Laser coders and scorers (optional)
- ATEX compliance (optional)
- Film sterilization system (optional)
- Laminar flow (optional)
- Integrated film splice system in the unwinder (optional)

Optionals

MS1200 4	MS1200 6	MS1200 8	MS1200 10	MS1200 12	MS1200 14	MS1200 16	MS1200 18	MS1000 4	MS1000 6	MS1000 8	MS1000 10	MS1000 12	MS1000 14	MS1000 16	MS600 4	MS600 6	MS600 8	MS350 2	MS350 3	MS350 4
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Products

Liquid / pasty																				
Pieces																				
Powder																				
Granules																				

Closing Pouch Systems

Zipper	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corner spout	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Top spout	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Frontal spout																				
Straw applicator	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Automations and User Friendly

Automatic changeover																				
Quick changeover	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Autosplice unwinder																				

Die-Cut Solutions

Die-cut																				
Tear notch																				
Eurohole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hole punch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Double scissors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Laser cut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Round edges																				

Coding Systems

Laser																				
Inkjet																				
Thermo transfer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emboss code																				

Hygienic Solutions

Gas flush																				
Laminar flow																				
UV lamp																				
Washdown																				

Vertical MSPH Series

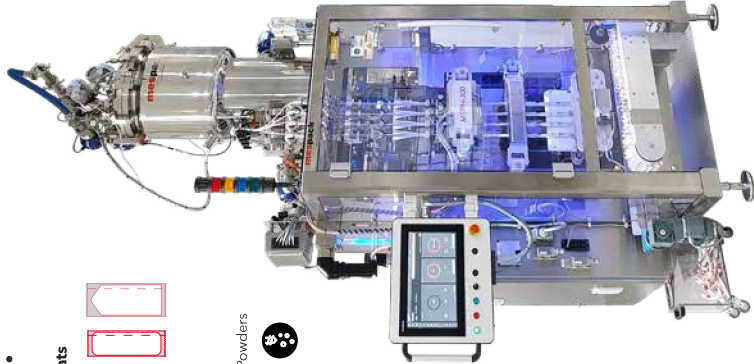
The Mespac smallest vertical stick-pack machine focused on the pharmaceutical industry.

Packaging Formats



Filling Section:

Liquids - Granules - Powders



Smart Functions



mespack
SUSTAINABLE CONTENT

MODELS MSPH600, MSPH300

Technical Specifications

MACHINE	WIDTH MIN (mm)	WIDTH MAX (mm)	LENGTH MIN (mm)	LENGTH MAX (mm)	OUTPUT (sticks/h)	REEL WIDTH MAX (mm)	POUCH TYPE
MSPH600 4	17	60	50	160	280	620	Stick pack
MSPH600 6	17	45	50	160	380	620	Stick pack
MSPH600 8	17	35	50	160	480	620	Stick pack
MSPH600 10	17	25	50	160	600	620	Stick pack
MSPH600 12	17	20	50	160	720	620	Stick pack
MSPH600 14	17	17	50	160	840	620	Stick pack
MSPH300 2	17	60	50	160	140	320	Stick pack
MSPH300 3	17	45	50	160	210	320	Stick pack
MSPH300 4	17	35	50	160	280	320	Stick pack

Protocol DQ/IQ/OQ/PQ



Artificial Vision Cameras



Individual Exit Chute



Regarding the documentation focused on pharmacy, we offer the execution of DQ, IQ, OQ, RA, the redaction of PQ, and any other type of documentation upon the customer's requirement.

Our vertical machine focused on pharmacy has the individual exit chute with a reject possibility. It makes us save material waste.

Full Servo and Stainless-Steel Machine



This machine is made of stainless steel in order to operate with pharmaceutical products. The full servo motorized system is also implemented into it. This gives you more coordinating control of the equipment movements.

Main Standard Features

- High performance, precision, and reliability
- Up to 14 lanes and 840 sticks per minute
- Compliance with GMP, GAMP5, FDA, and 21 CFR Part 11
- Full servo version
- Athena enabled (HMI and IIoT)



New Controls:
Athena



Adapted to Work with Sustainable Materials



MSPH600



MSPH300

Vertical

ML Series

MODELS
ML1200, ML1000

This vertical multilane solution is the result of continuous design evolutions and innovations of our packaging lines

Smart Functions



Autopicker



Recycle Ready



Athena Inside

Advanced Maintenance

• Optional

Filling Section:

Liquids · Solids · Granules · Powders

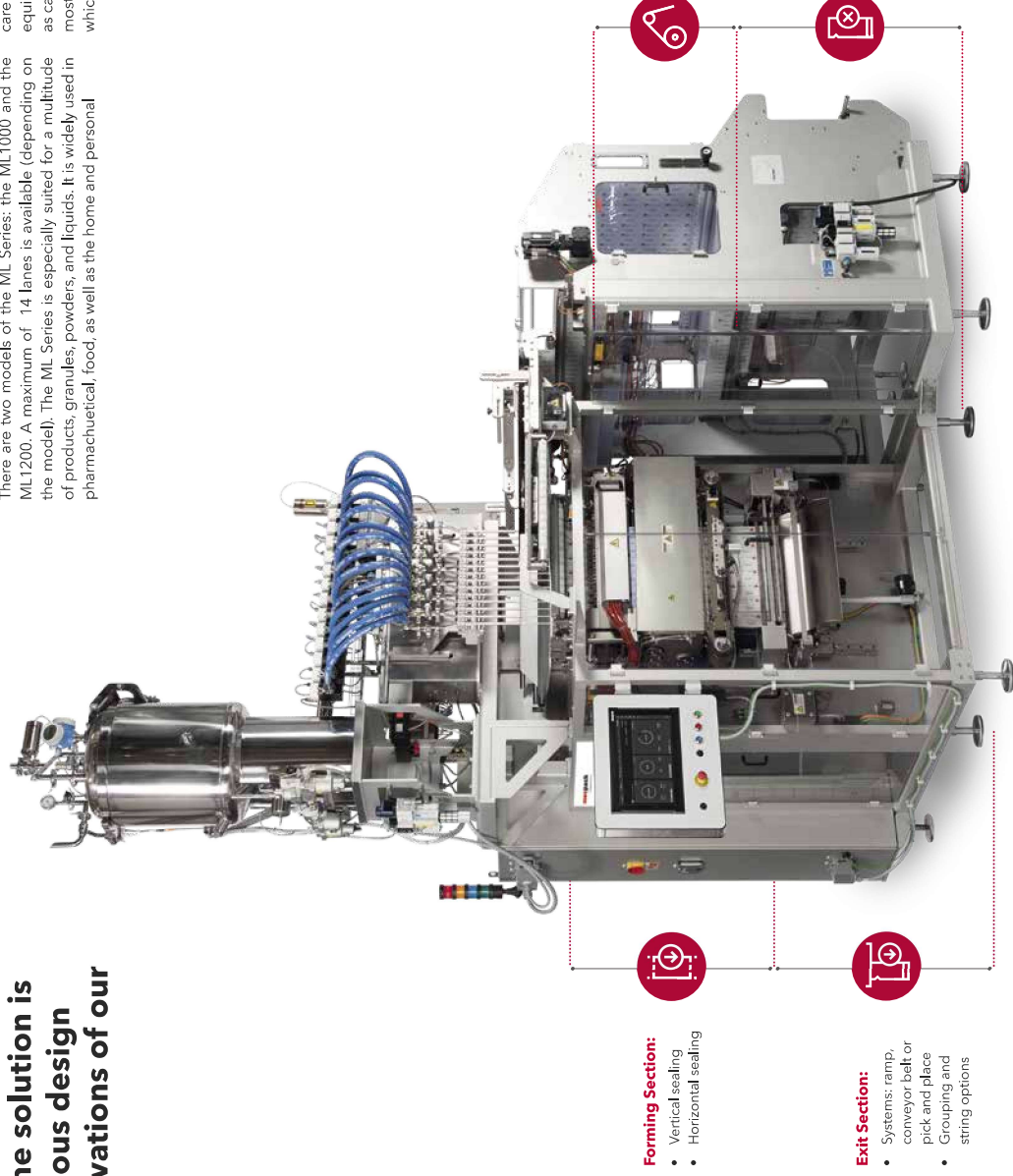


Packaging Formats



There are two models of the ML Series: the ML1000 and the ML1200. A maximum of 14 lanes is available (depending on the model). The ML Series is especially suited for a multitude of products, granules, powders, and liquids. It is widely used in pharmaceutical, food, as well as the home and personal

care sectors. Additionally, we offer automatic downstream equipment, such as conveyors, pick and place robots, as well as cartooning facilities. The machines of the ML Series have the most recent motion technology with integrated PLC functions, which sequences seven brushless motors.



ML1000



ML1200

Vertical ML Series

Servo Motorized Drag Unit



Servo motor is integrated into the film transport system in order to control and correct its position. This system has more operational precision, and gives you more coordinating control of the equipment's movements.

Clean In Place System



The Clean In Place process allows you to clean the filling circuit with water and chemical solutions through the equipment pipes that have direct contact with the products. Its physical, chemical and bacterial action removes dirt and neutralizes surface microorganisms.

Forming Area



The forming area of our ML Series allows to make easily the format changeovers, as a result of support design. Furthermore, the triangle position, such as the eyemark sensor, is controlled directly by HMI.

Technical Specifications

MACHINE	MIN SACHET WIDTH (mm)	MAX SACHET WIDTH (mm)	MIN SACHET LENGTH (mm)	MAX SACHET LENGTH (mm)	OUTPUT (kg/h)	MAX REEL WIDTH (mm)	TYPE
ML1200 4	40	130	60	200	240-280	1,200	Flat: 4 seal
ML1200 5	40	120	80	200	300-350	1,200	Flat: 4 seal
ML1200 6	40	100	60	200	360-420	1,200	Flat: 4 seal
ML1200 7	40	80	60	200	420-480	1,200	Flat: 4 seal
ML1200 8	40	70	60	200	480-560	1,200	Flat: 4 seal
ML1200 9	40	65	60	200	540-630	1,200	Flat: 4 seal
ML1200 10	40	60	60	200	600-700	1,200	Flat: 4 seal
ML1200 12	40	50	60	200	720-840	1,200	Flat: 4 seal
ML1200 14	40	40	60	200	840-960	1,200	Flat: 4 seal
ML1000 4	40	120	60	200	240-280	1,000	Flat: 4 seal
ML1000 5	40	100	60	200	300-350	1,000	Flat: 4 seal
ML1000 6	40	80	60	200	360-420	1,000	Flat: 4 seal
ML1000 7	40	70	60	200	420-480	1,000	Flat: 4 seal
ML1000 8	40	60	60	200	480-560	1,000	Flat: 4 seal
ML1000 9	40	55	60	200	540-630	1,000	Flat: 4 seal
ML1000 10	40	50	60	200	600-700	1,000	Flat: 4 seal
ML1000 12	40	40	60	200	720-840	1,000	Flat: 4 seal

Sealing Jaw Easy Opening

To archive a Total Productive Maintenance design, our sealing system can be opened easily to carry out a cleaning operation. Moreover, all driving units are inside frame to avoid product contamination.



New Controls: Athena

In harmony with its easy usability, this Series of machines continues to use the Athena platform, with which the operator can monitor, simultaneously, the OEE ratio as well as the ratio of rejected pouches, among others.



Optionals

Products	ML1200 4	ML1200 5	ML1200 6	ML1200 7	ML1200 8	ML1200 9	ML1200 10	ML1200 12	ML1200 14	ML1000 4	ML1000 5	ML1000 6	ML1000 7	ML1000 8	ML1000 9	ML1000 10	ML1000 12
Liquid / paste	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ
Pieces	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ
Powder	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ
Granules	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ

Automations and User Friendly

Automatic changeover	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ
Quick changeover	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ
Autosplice unwinder	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ
Die-Cut Solutions																	
Die-cut	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ
Tear notch	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ
Eurohole	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ
Hole punch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Double scissors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Laser cut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Round edges	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ

Coding Systems

Laser	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ
Inkjet	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ
Thermo transfer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emboss code	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ

Hygienic Solutions

Gas flush	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ
Laminar flow	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ
UV lamp	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ
Washdown	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ

Vertical MLC Series

MODELS MLC1200, MLC1000

High-speed vertical multi-lane solution for a bigger format produced in a continuous sealing system

Smart Functions



* Autoclean



* Recycle Ready



* Athena Inside

Advanced Maintenance

* Optional

Filling Section:

Liquids · Solids · Granules · Powders



Packaging Formats



Exit Section:

- Systems: ramp, conveyor belt or pick and place
- Grouping and string options

Forming Section:

- Vertical sealing
- Horizontal sealing



Unwinder Section:

- Servo driven unwinder

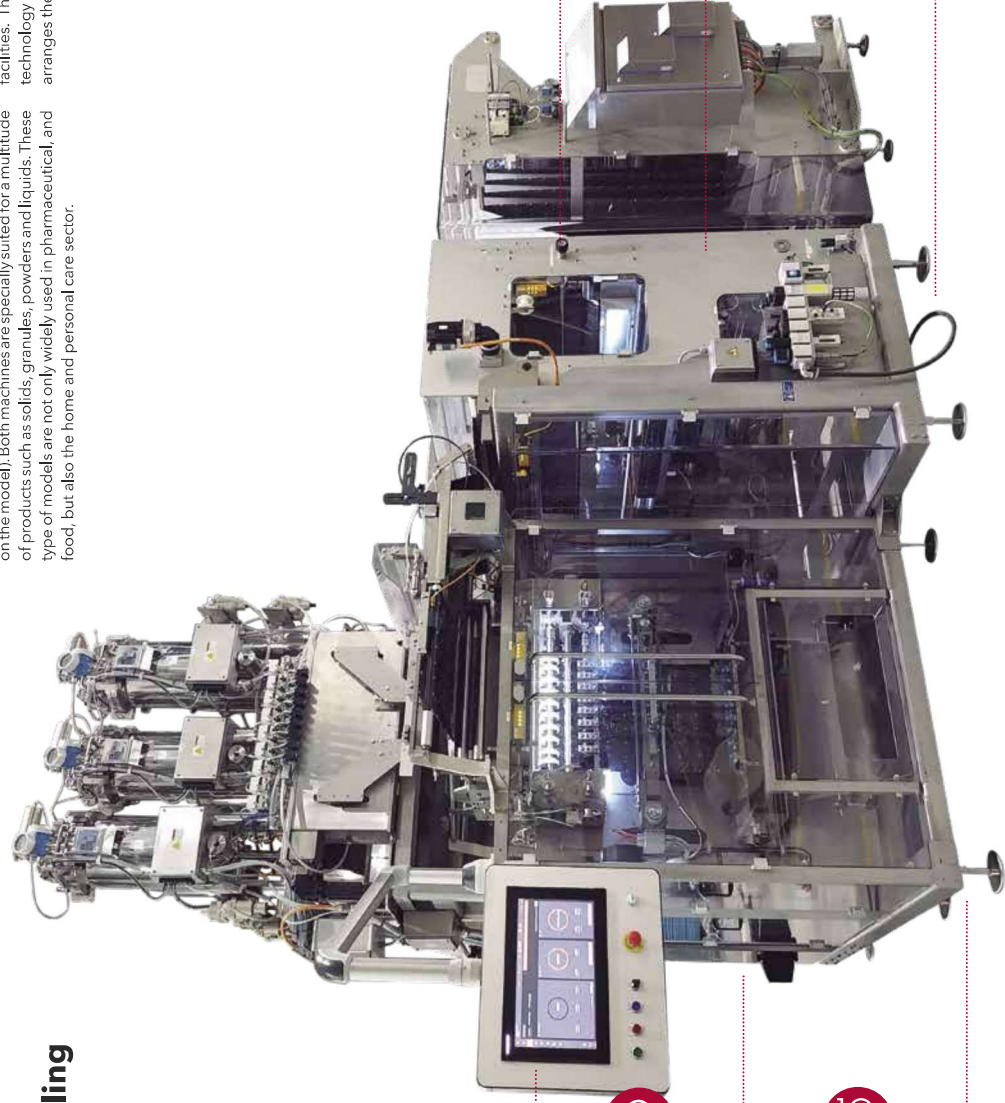


Reject Section:

- Individual reject available

The MLC Series offer two machine models: the MLC1000 and the MLC1200. A maximum of 14 lanes is available (depending on the model). Both machines are specially suited for a multitude of products such as solids, granules, powders and liquids. These type of models are not only widely used in pharmaceutical and food, but also the home and personal care sector.

Additionally, we offer automatic downstream equipment, such as conveyors, pick and place robots, as well as cartooning facilities. The machines of MLC Series have the most recent technology with integrated PLC functions, which sequences and arranges the brushless motors.



MLC1000



MLC1200

Vertical MLC Series

Forming Area



The forming area of the MLC Series easily formats changeovers, as a result of its mobile support design. Furthermore, the triangle position, such as the eyemark sensor, is directly controlled by HMI.

Quick Changeover (optional)



Up to five filling stations are available to increase the flexibility of the solution; this is dependent on the height of the pouch and space availability.

Servo Motorized Drag Unit



The servo motor is integrated into the film transport system in order to control and correct its position. This system has better operational precision and allows for a more coordinating control of the equipment's movements.

Continuous Sealing Unit

The forming area includes a continuous sealing station that allows for the production of longer pouches with larger quantities of the product inside.



New Controls: Athena

In harmony with its easy usability, this Series of machines continues to use the Athena platform, with which the operator can monitor, simultaneously, the OEE ratio as well as the ratio of rejected pouches, among others.



Optionals

Products	MLC1200 4	MLC1200 5	MLC1200 6	MLC1200 7	MLC1200 8	MLC1200 9	MLC1200 10	MLC1200 12	MLC1200 14	MLC1000 4	MLC1000 5	MLC1000 6	MLC1000 7	MLC1000 8	MLC1000 9	MLC1000 10	MLC1000 12
Liquid / paste	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ
Pieces	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ
Powder	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ
Granules	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ

Automations and User Friendly

Automatic changeover	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ
Quick changeover	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ
Autosplee unwinder	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ

Die-Cut Solutions

Die-cut	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ
Tear notch	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ
Europe hole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hole punch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Double scissors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Laser cut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Coding Systems

Laser	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ
Inkjet	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ
Thermo transfer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Hygienic Solutions

Gas flush	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ
Laminar flow	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ
UV lamp	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ
Washdown	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ

Main Standard Features

- One brushless motor for the main film drive system and vertical cutting knives
- Two brushless motors for unwinder
- Two brushless motors for the vertical seal bars
- One brushless motor for horizontal cutting knives
- One brushless motor for horizontal seal bars
- Mono block tubular steel frame
- Integrated electric cabinet
- Micro switch protected polycarbonate guardings
- 18.5" color touch screen
- Free access to the entire machine
- PLC controlled temperatures in each seal bar
- PLC controlled auto lubrication
- Splice table in unwinder for quick reel change
- Auger cleaning management system
- Automatic reel edge aligner in unwinder
- TPM features
- CIP facilities
- Compliance with the primary manufacturing standards
- Laser coders and scorers (optional)
- ATEX compliance (optional)
- Film sterilization system (optional)
- Laminar flow (optional)

Technical Specifications

MACHINE	MIN SACHET WIDTH (mm)	MAX SACHET WIDTH (mm)	MIN SACHET LENGTH (mm)	MAX SACHET LENGTH (mm)	OUTPUT (g/s-oz)	MAX REEL WIDTH (mm)	TYPE
MLC1200 4	40	130	60	120-80	400-500	1,200	Flat: 4 seal
MLC1200 5	40	120	60	120-80	500-750	1,200	Flat: 4 seal
MLC1200 6	40	100	60	120-80	600-900	1,200	Flat: 4 seal
MLC1200 7	40	80	60	120-80	700-1050	1,200	Flat: 4 seal
MLC1200 8	40	70	60	120-80	800-1200	1,200	Flat: 4 seal
MLC1200 9	40	65	60	120-80	900-1350	1,200	Flat: 4 seal
MLC1200 10	40	60	60	120-80	1000-1500	1,200	Flat: 4 seal
MLC1200 12	40	50	60	120-80	1200-1800	1,200	Flat: 4 seal
MLC1200 14	40	40	60	120-80	1400-2100	1,200	Flat: 4 seal
MLC1000 4	40	120	60	120-80	400-500	1,000	Flat: 4 seal
MLC1000 5	40	100	60	120-80	500-750	1,000	Flat: 4 seal
MLC1000 6	40	80	60	120-80	600-900	1,000	Flat: 4 seal
MLC1000 7	40	70	60	120-80	700-1050	1,000	Flat: 4 seal
MLC1000 8	40	60	60	120-80	800-1200	1,000	Flat: 4 seal
MLC1000 9	40	55	60	120-80	900-1350	1,000	Flat: 4 seal
MLC1000 10	40	50	60	120-80	1000-1500	1,000	Flat: 4 seal
MLC1000 12	40	40	60	120-80	1200-1800	1,000	Flat: 4 seal

*Production reference values based on sachet lengths of 120-80. The smaller sachet length, the faster the production speed.

HYDROFORMA Series

**HYDROFORMA 660 DS, HYDROFORMA 660,
HYDROFORMA 330, HYDROFORMA 165**

leading competitors and operates at substantially faster speeds than competing machines. Water soluble pods are the fastest growing category in CPG/FMCG. Mespack, a soluble pioneer, dominates this category with unrivaled performance, speed, efficiency and format flexibility. Laundry detergent is only one of the categories being reshaped by this innovative packaging change. More global, national and regional brands are moving toward this format as well. Strong consumer preference, driven by convenience, consistency, waste reduction, and perception of quality, suggest that this format will continue to expand. The Hydroforma double its speed in liquid, and has less footprint.



Water Soluble Pods HYDROFORMA

Precision Filling System for Liquids & Powders



The Hydroforma can simultaneously load powders and/or liquids. The high precision, servo-driven product management features give an accurate assurance of your desired product amount.

Patented Gentle Handling Protects Pouches



The Hydroforma Series maintains careful pouch control during and after the cutting process, preventing damage at every stage.

Autosplicer



Our autosplicer system for the water soluble pods equipments allows you to make a reel quick changeover without downtime.

Pouch Detector System minimizes Clean-Ups



Our unique pouch detector vision system checks for proper film forming in drum cavities. If there is no detected film, no fill takes place. This feature saves you valuable time, by preventing unnecessary clean-ups.

Purging trough Speed Changeovers



Eliminate the wasting valuable film. Quick changeover purging trough quickly slides into place to purge old product, and prime the new.

Mespack's Unique Forming Drum



The unique Hydroforma forming drum is customized to each customer's application. This Series supports up to 18 lanes for maximum speed and low conversion cost, our exclusive vacuum system holds films in place as it is thermoformed to cavity depth. Afterwards, it creates a no-leak bond between film layers.

Technical Specifications

MACHINE	MAX WIDTH (mm)	MAX HEIGHT (mm)	PRODUCTS	PROD PODS/MIN (POWDER)	PROD PODS/MIN (LIQUID)	TYPE	FILLING STATION
HYDROFORMA 660 DS	152.4	152.4	Liquid / Pasty, Powder	2400	1400	Pod	-
HYDROFORMA 660	152.4	152.4	Liquid / Pasty, Powder	2400	900	Pod	-
HYDROFORMA 330	152.4	152.4	Liquid / Pasty, Powder	1200	450	Pod	-
HYDROFORMA 165	152.4	152.4	Liquid / Pasty, Powder	600	180	Pod	-

Main Standard Features

- Full servo version
- Computer-backed HMI
- Accurate doses
- End-user convenience
- Enhancement of user safety features
- Precision filling system for liquids & powders

Optionals

HYDROFORMA 660 DS	HYDROFORMA 660	HYDROFORMA 330	HYDROFORMA 165
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Products

Liquid / pasty	☑	☑	☑	☑
Pieces	-	-	-	-
Powder	☑	☑	☑	☑
Granules	☑	☑	☑	☑

Feed Systems

Servo pump (liquid)	☑	☑	☑	☑
Pneumatic pump (liquid)	☑	☑	☑	☑
Auger (powder)	☑	☑	☑	-
Feed belt (powder)	☑	☑	☑	☑
Combination units (powder & liquid)	☑	☑	☑	☑

Pod Design Capability

Monodose (single chamber)	☑	☑	☑	☑
Dual chamber	☑	☑	☑	☑
Triple chamber	☑	☑	☑	☑
5 Chamber designs	☑	☑	☑	-
Powder & liquid combinations	☑	☑	☑	☑
Dual Shot Nozzle	☑	☑	☑	-

Control Platforms

Allen bradley	☑	☑	☑	☑
Siemens (SIMOTION)	☑	☑	☑	☑

Product Development

Pod design	☑	☑	☑	☑
Static testing (hand samples)	☑	☑	☑	☑
Dynamic testing (speed testing)	☑	☑	☑	☑
Pod regulatory compliance	☑	☑	☑	☑

Efficient Design

Liquid purge tank	☑	☑	☑	☑
Sliding nozzle bar	☑	☑	☑	☑
E-Z Depth drum adjustments	☑	☑	☑	☑
Autoslicing	☑	☑	☑	-

Water soluble Pods

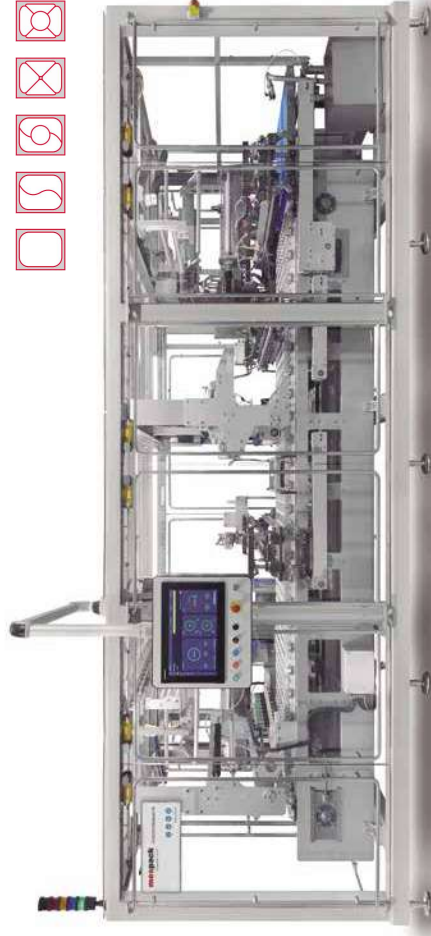
HYDROFORMA FB Series

MODELS HYDROFORMA 660 FB

The most advanced and reduced-footprint water-soluble pod packaging solution for high production requirements.

The Hydroforma 660 FB machine has been created by combining the know-how of the HFFS machines and the technology of the water-soluble film machines. It has a flexible and compact design, which was developed to guarantee high production speed. The Hydroforma 660 FB has the capacity to produce between 7 and 20 lines of pods, the largest pod capacity is 90 mm wide. Depending on the design, the machine can reach speeds of up to 2000 PPM (Pods Per Minute), this is 122% faster than Hydroforma 660 rotary machines in liquid dosing.

Packaging Formats



Pod Slitting Blades



The blades are pneumatically operated. Furthermore, they allow for quick and easy assemblies to maximize handling safety.

Transfer to Conveyor Belt



The pods are transferred to a conveyor belt by individually controlled vacuum suction cups. The film trimmings waste is removed by a suction system that is located on both sides of the conveyor belt.

Preheated Blade Group

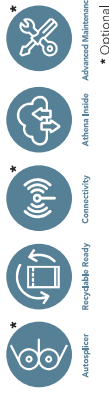


It is a servo-driven unit with blades that move up and down. This makes them a safe cutting system and facilitates the separation of the strings into individual pods.

Technical Specifications

MACHINE	MAX WIDTH (mm)	MAX HEIGHT (mm)	POUCH DEPTH (mm)	PROD PODS/MIN (POWDER)	PROD PODS/MIN (LIQUID)	TYPE
HYDROFORMA 660 FB	90	90	up to 18	2000	2000	Pod

Smart Functions



Cavity Detector System



Our unique cavity detector with an ultrasonic system monitors proper film formation in cavities. Hence, if the film is not detected, the performance of fill does not take place. This feature saves you valuable time, by preventing unnecessary clean-ups.

Precision Filling System for Liquids or Powder



The Hydroforma can simultaneously load powders and/or liquids. The high precision, servo-driven product management features give an accurate assurance of your desired product amount.

Optionals

Products

- Liquid / paste
- Pieces
- Powder
- Granules

Feed Systems

- Servo pump (liquid)
- Pneumatic pump (liquid)
- Volumetric (powder)
- Combination units (powder & liquid)

Pod Design Capability

- Monodose (single chamber)
- Dual chamber
- Triple chamber
- 4 Chamber designs
- 5 Chamber designs
- Powder & liquid combinations

Control Platforms

- Allen bradley
- Omron
- Siemens (SIMOTION)

Efficient Design

- Liquid purge tank
- Sliding nozzle bar
- Autopulling



Polyvinyl Alcohol (PVOH) is used to produce pods. According to *American Cleaning Institute*, at least 60% of the film biodegrades within 28 days and 100% of the film is biodegraded in 90 days or less.



In harmony with its easy usability, this Series of machines continues to use the Athena platform, with which the operator can monitor, simultaneously, the OEE ratio as well as the ratio of rejected pouches, among others.



Hydroforma
660 FB

Secondary packaging

The importance of secondary packaging

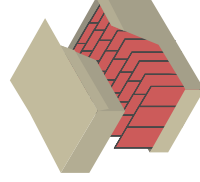
We offer integrated solutions for your end-of-line production requirements. From cans, bottles, capsules, and solid products to flexible packaging, our end-of-line solutions have the ability to introduce various formats in secondary packaging



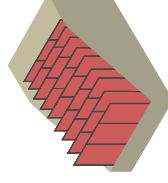
Secondary packaging plays an important role regarding the diverse facets of a product, the most important being the protection given to the product and primary packaging during transportation. Other important aspects include those in reference to display, distribution, and branding.



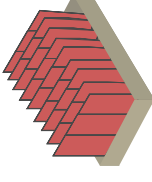
In regard to our available secondary packaging solutions, at Mespack, we focus on those which are the most sustainable, particularly cardboard based solutions.



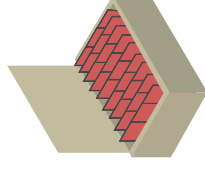
Lid and Tray



Display

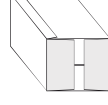


Tray

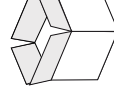


Wrap-Around

Discover the Mespack solutions that best meet your needs: The Wrap-Around and the American Box



Wrap-Around



RSC/American Box

Besides primary and secondary packaging, we develop tailored-made palletizing solutions

Secondary Packaging

WRAP - AROUND - W Series

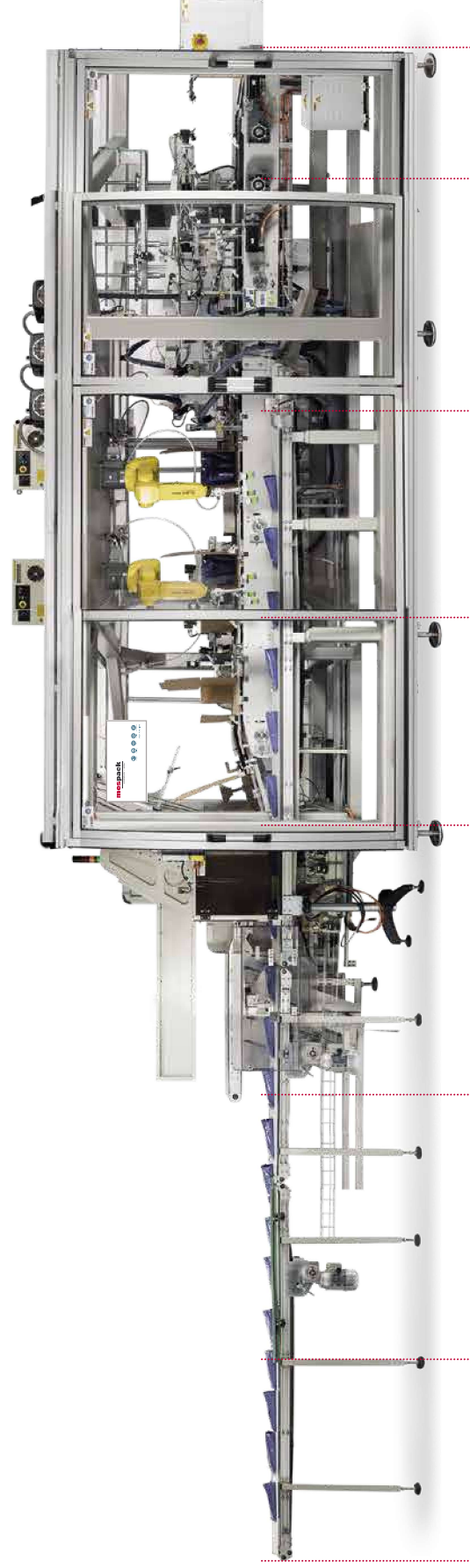
MODELS

**W8600, W8500, W8400,
W7200, W7000 PRO**

High production capacity for small spaces and low operator maintenance time

The wrap-around packaging system requires only one machine which uses a flat cardboard blank that is wrapped around the product and sealed with jets of hot glue. As a result of this system, a single machine can reach high production speeds, consequently reducing space and lowering maintenance costs.

A single operator is able to cover two wrap-around machines in the same room without any assistance. We offer equipment adapted to intermittent and continuous cycles, depending on the wrap-around model and the requirements of the product to be packed.



- Primary Packs
Infeed Section:**
- Flat or standup pouches and/or doy packs
 - Cartoons
 - Cluster packs
 - Blisters
 - Rigid containers
 - Shrink wrapped packs

- Containers Accumulation Area
and Grouping Devices Section:**
(in accordance with containers type)

- Blank Sheets
Magazine Section:**
- Cases
 - Trays

- Case or Tray
Performing
Section:**
- Run uneven or even flaps

- Single or Twin Case
Filling Section:**
- Robots
 - Pushers
 - Pick and Place

- Case forming
Section:**
- Folding
 - Flaps
 - Gluing
 - Squaring
 - Compacting

- M/C Exit Section:**
- Closed flaps inspection
 - Case turning
 - Exit
 - Conveyor

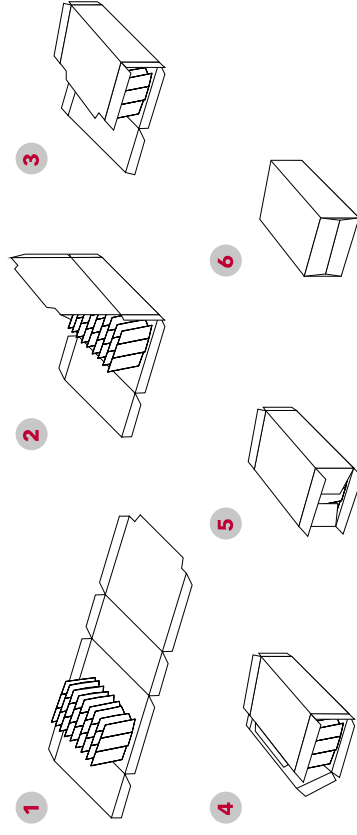
Smart Functions



Wrap-
Around

Secondary Packaging WRAP-AROUND-W SERIES

How a Wrap-Around box is assembled in a continuous machine



W Series forms and seals the case automatically around the product

The W Series stands for versatility. This series of equipment offers versions that are adapted to all types of packaging as well as a wide range of formats, box sizes, and trays, including display trays up to 600x400 mm and boxes with independent lids, which are also created by the machine itself.

The use of sustainable materials is not the sole objective. The W Series allows for significant saving in packaging material, due to the type of boxes produced. The higher the production, the greater the cardboard savings.



Mespack Wrap-Around Technology offers higher production capacity in a smaller space and low maintenance downtime.

A single operator is able to cover two wrap-around machines in the same room without any assistance.

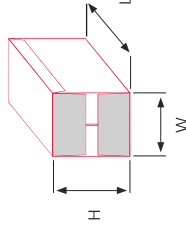
We offer equipment that is adapted to intermittent cycles and continuous cycles, depending on the wrap-around model and the requirements of the product to be packed.

In regard to intermittent equipment, we have the W7200 and W7000 PRO models, which are capable of packing 10 to 20 boxes per minute. In reference to the W8400, W8500 and W8600 models, we have continuous cycle equipment which pack up to 42 boxes per minute.

Cardboard material optimization can pack all kind of containers

Main Standard Features

- Boxes filled by a robot, arms, pushers or pick and place devices according to the product and packaging configuration
- Capacity to handle trays
- Open flaps detection
- Automatic hotmelt feeder (optional)*
- Case weight check (optional)
- Full automatic changeover (optional)
- Extended blanks magazine
- Electronic synchronization (one servo motor for every device)
- Specific speed program for each format



Technical Specifications

WRAP-AROUND CONTINUOUS MOTION	L (mm)	W (mm)	H (mm)	OUTPUT CASES / MINUTE (cpm)
W8600	450 max 185 min	390 max 120 min	385 max 110 min	Up to 42 cpm
W8500	510 max 185 min	380 max 120 min	400 max 105 min	Up to 35 cpm
W8400	500 max 185 min	380 max 120 min	400 max 110 min	Up to 25 cpm
W7000 PRO	600 max 185 min	400 max 100 min	400 max 60 min	Up to 18 cpm
W7200	600 max 220 min	400 max 100 min	375 max 120 min	Up to 15 cpm

* Depending on containers type

Secondary Packaging

AMERICAN BOX - EF Series

(Regular Slotted Containers)

Automatic american box machine to provide turnkey solutions for the flexible packaging market.

At Mespac, we provide turnkey projects of flexible packaging to the market. One of our solutions is the American box packing module EF100, which consists of three equipments connected in one: case erector, picking, and case sealer. The flexible pouches can be grouped horizontally or vertically inside the boxes, and the maximum speed is up to 20 cases per minute.



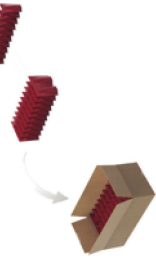
New Controls: Athena



Adapted to Work with Sustainable Materials



Inner Configurations:



Product:



Flow packs

Stand-up Pouches

Smart Functions



Technical Specifications

MACHINE	OUTPUT (Cases/min)	FORMAT MAX LxWxH (mm)	FORMAT MIN LxWxH (mm)	SEALING SYSTEM
EF100	20	600x400x600	240x120x160	Tape, Hot Melt

Final speed will depend on product and film characteristics

MODELS EF100

Acceleration Belt



This belt speeds up to change the distance between two pouches from the previous station in order to be adapted to the picking speed.

Picking System



This system works with different patterns, it is specially designed to pick pouches from the indexing system and place them in the correct position in order to be introduced.

Indexing System



This system allows pouches or other containers to be properly aligned for the next packaging step.

Pouches Introduction



After the grouping and picking process, all the pouches are introduced into the box at once.

Case Assembly Process



Secondary Packaging

AMERICAN BOX - MCP Series

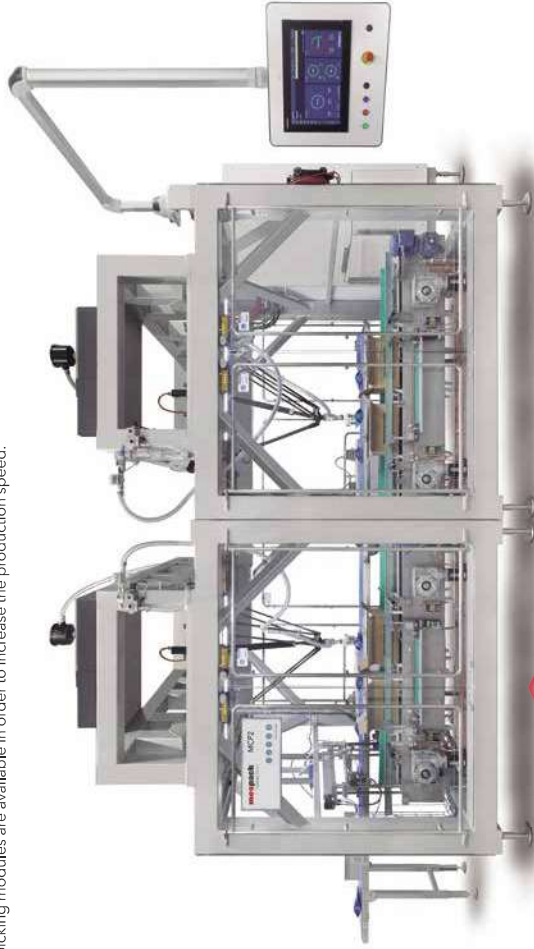
(Regular Slotted Containers)

MODELS

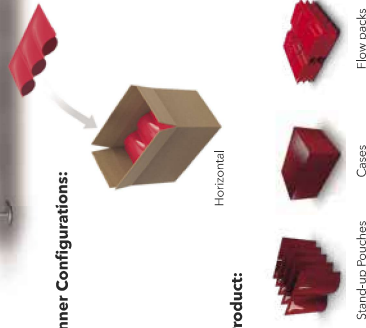
MCP4, MCP3, MCP2, MCP1

Automatic american box machines with robotic picking system integrated for the flexible packaging market.

MCP Series is our new picking equipment for secondary packaging in order to provide turnkey solutions in the RSC market. The MCP Series machines have the latest technology integrated such as Delta Robot and full servo equipped. Thanks to its versatility, up to 4 picking modules are available in order to increase the production speed.



Inner Configurations:



Product:



Stand-up Pouches

Cases

Flow packs

Smart Functions



Technical Specifications

MACHINE	OUTPUT * (Cases/min)	MAX. INFED (box/m)	FORMAT MAX LxWxH (mm)	FORMAT MIN LxWxH (mm)
MCP 4	40	200	200x150x150	500x325x520
MCP 3	30	150	200x150x150	500x325x520
MCP 2	20	100	200x150x150	500x325x520
MCP 1	10	50	200x150x150	500x325x520

* Final speed may change depending on the project. The speeds are calculated based on: a 500ml pouch (120x220x60mm), an entry speed of 120ppm, cases inner configuration of 3x1x4 (up to 6kg) with full layer transfer.

Vision System



The vision system is integrated into the machine entry. It is used to detect pouch position in order to transmit it to the picking robot.

Automatic Changeover Belt



Picking System



A delta robot is used to pick pouches and place them inside of american box in a horizontal position. Up to 160 picks per minute are possible with a model MCP4.

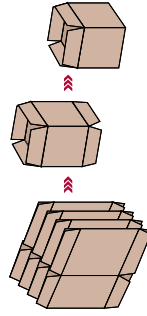
Flap Control Guides



This belt is able to do an american box format changeover through HMI in less than the 30s thanks to its full servo characteristic.

Case Assembly Process

CASE ERECTOR
F Series



PICK & PLACE MODULE
Includes grouping and transfer system



Delta Robot



New Controls:
Athena



Adapted to Work with
Sustainable Materials

CASE SEALER
T Series
C Series



American Box
EF100