

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.

Technical Specifications

MACHINE	OUTPUT * (Cases/min)	MAX. INFEEED (p.p.m.)	FORMAT MAX LxWxH (mm)	FORMAT MIN LxWxH (mm)
MCP 1	10	50	200X150X150	500X325X520
MCP 2	20	100	200X150X150	500X325X520
MCP 3	30	150	200X150X150	500X325X520
MCP 4	40	200	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.

	NOISE LEVEL	ELECTRICAL CONSUMPTION	AIR CONSUMPTION	AIR PRESSURE
MCP Series	< 80 Db	15-47 kW	50-80 NI/min	6 bar

* The dimensions of a basic machine are: 6860x3735x3280 mm. The final dimensions, power and air consumptions may change due to project and exact equipment model.

Smart Functions

-  *
Autochangeover
-  *
Recyclable Ready
-  *
Connectivity
-  *
Athena Inside
-  *
Advanced Maintenance

* Optional



Acceleration Belt (Optional)

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



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.



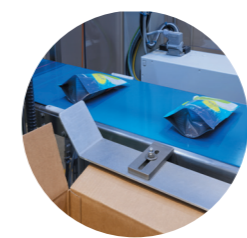
Picking System

A delta robot is used to pick pouches and place them inside of american box in a horizontal position.




Automatic Changeover Belt


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



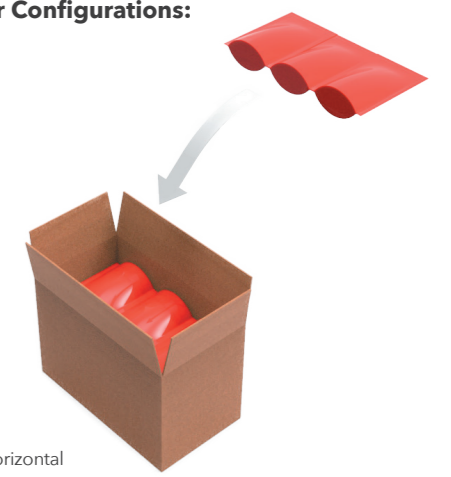
Flap Control Guides

These guides are responsible to keep the flaps always in open position.

 New Controls: Athena

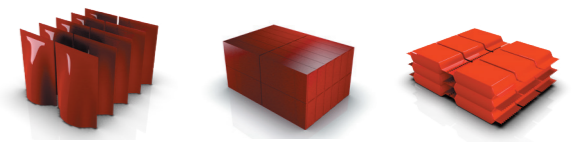
 Can be Adapted to Work with Sustainable Materials

Inner Configurations:



Horizontal

Product:



Stand-up Pouches

Cases

Flow packs

Picking System:



Delta Robot



Innovative Packaging Company

Recognized as a highly innovative company, and strongly committed to developing machinery to make sustainable packaging solutions, Mespack has the largest product portfolio of the industry offering water soluble pods machinery, Horizontal and Vertical Form, Fill and Seal, stick packs, stand-up pouches or other film-based packaging machinery, 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. Mespack serves the food and beverage, pharmaceutical, chemical, pet food, confectionery, cosmetic, and personal care markets.

Mespack belongs to the 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.



The Duravant Family and its Operative Companies:



Mespack Innovation Centre

The Mespack Innovation Centre is a facility focused on developing 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.



Athena, your Digital Platform



In order to support the digital transformation that many industries are experiencing, we have developed the Athena, a control suite platform which performs functions from machine control to data analytics. This digital platform is designed to help our customers acquire having better control over the packaging processes, making and make them more efficient, as a result of analyzing the generated data.



Sustainable Strategy

Materials

- Reducing the usage of packaging materials per packed unit
- Replacing traditional materials to recyclable, PCR or compostable materials
- Removing the packaging materials associated with the use of the product

Equipment

- Reengineering new equipment for new materials and higher OEE
- Retrofitting install base with technology for new materials and higher OEE

Packaging

- Reusing to avoid single-use plastic packaging



Services

Extend the lifespan of your machine



Reinforce the sustainable commitment of your brand

Increase your perceived product value



Retrofits and Upgrades



Maintenance and Repair Services Programs



Spare Parts



Controls Update



Consultancy Services



Production Support



Your Needs, Our Goals

We have 30 years of expertise and know-how in the flexible packaging industry, qualifying us as highly trained technical service personnel and who are committed to meeting the demanding business needs required for our customers. Furthermore, having a presence in more than 70 countries, benefits our clients, as our experienced local field technicians are capable of responding swiftly. Moreover, we are able to offer fast spare-part service.