

American Box Series - RSC

MCP1 / MCP2 / MCP3 / MCP4

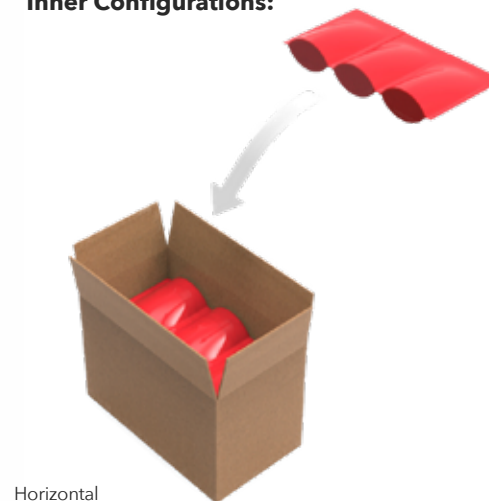
mespack
A DURAVANT COMPANY

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:



Horizontal

Product:



Stand-up Pouches



Cases



Flow packs

Technical Specifications

MACHINE	OUTPUT * (Cases/min)	MAX. INFEED (p.p.m.)	FORMAT MAX LxWxH (mm)	FORMAT MIN LxWxH (mm)
MCP 1	10	100	400x350x220	200x190x120
MCP 2	20	150	400x350x220	200x190x120
MCP 3	30	200	400x350x220	200x190x120
MCP 4	40	250	400x350x220	200x190x120

* 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.

Picking System:

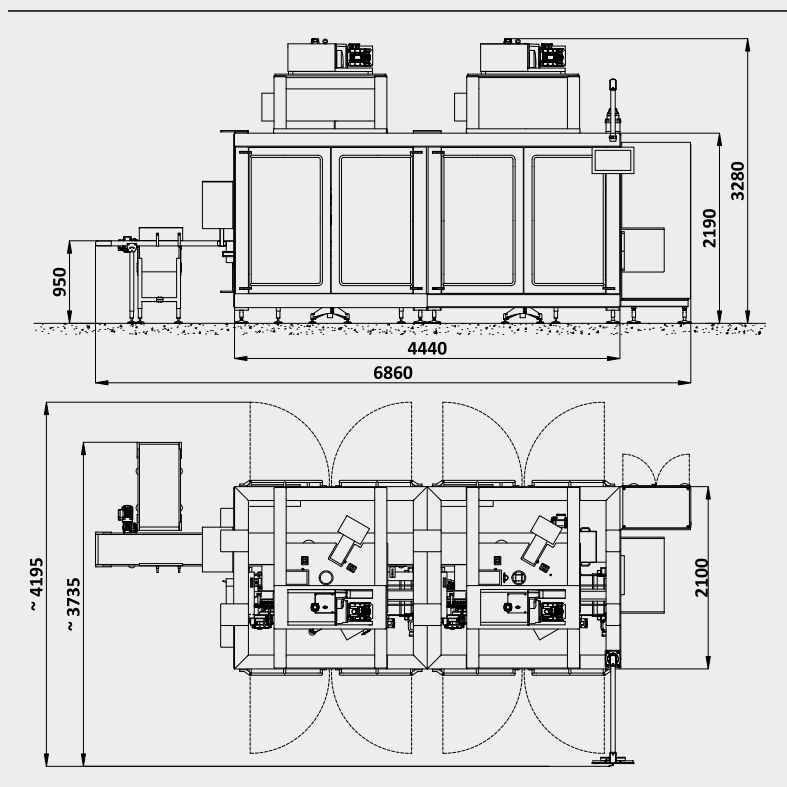


Delta Robot



RSC-MCP Series

Machine Layout



New Controls:
Mespack Athena



Can be Adapted to Work
with Sustainable Materials

	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.



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.

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