



# Machines and plants for Polyurethanes and Resins

*ENGINEERING AND MANUFACTURING OF SPECIAL MACHINES*

[www.magmamachine.it](http://www.magmamachine.it)



# Hot Spray

SPRAY AND POUR FOR THERMAL INSULATION, WATERPROOFING, COATING

› RIGID & FLEXIBLE POLIURETHANE FOAMS › POLYUREAS › COMPOSITES › ELASTOMERS › ADHESIVES



**MS e+**

- ✓ **HYDRAULIC MACHINE**
- ✓ **HIGH PRESSURE**
- ✓ **VARIABLE RATIO**
- ✓ RMM (Remote monitoring & managing)
- ✓ advanced work reports
- ✓ remote assistance
- ✓ temperatures and pressure optimized
- ✓ lower consumption and reduced maintenance

**INDUSTRY 4.0 READY**

*model also available in standard version without 4.0 devices*



**MS-LC e+**

- ✓ **HYDRAULIC MACHINE**
- ✓ **HIGH PRESSURE**
- ✓ **FIXED RATIO**
- ✓ RMM (Remote monitoring & managing)
- ✓ advanced work reports
- ✓ remote assistance
- ✓ temperatures and pressure optimized
- ✓ lower consumption and reduced maintenance



**M-Skin**

- ✓ **HYDRAULIC MACHINE**
- ✓ **HIGH PRESSURE**
- ✓ **FIXED RATIO**
- ✓ temperatures and pressure optimized
- ✓ lower consumption and reduced maintenance

## Blocks in discontinuos

PLANTS TO PRODUCE BLOCKS

› RIGID FOAM › FLEXIBLE FOAM › PHENOLIC FOAM



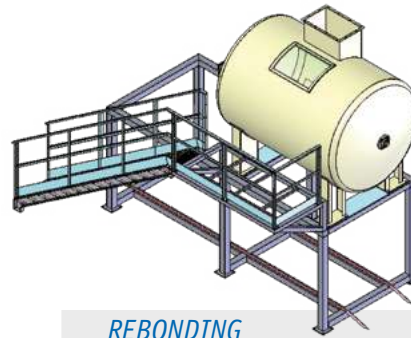
**MB**

- ✓ **NO LIMIT TO THE NUMBER OF COMPONENTS' LINES**
- ✓ **DOSING WITH PNEUMATIC CYLINDERS OR WITH MOTOR GEAR PUMPS**
- ✓ **SQUARING MOULDS**
- ✓ automatic refilling reservoirs
- ✓ solvents unnecessary
- ✓ easy installation

## Agglomerates

RESINATION PLANTS FOR RECYCLING

› FLEXIBLE FOAM PROCESSING'S WASTE › RUBBER GRANULE



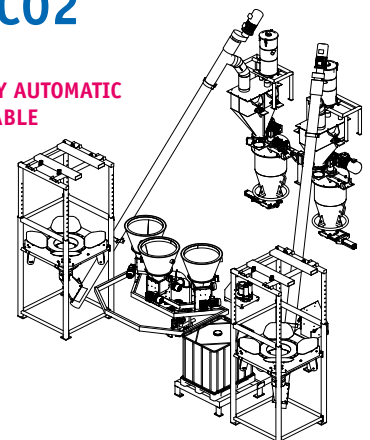
**REBONDING**



**GRANULE'S IMPREGNATION WITH RESIN**

**MR-C01 & MR-C02**

- ✓ **HIGH PRODUCTIVITY**
- ✓ **PRODUCTION PROCESS COMPLETELY AUTOMATIC**
- ✓ **COMPLETE CUSTOMIZATION AVAILABLE**
- ✓ electronic components control
- ✓ possible color change
- ✓ resin rubber granule (resin tapping, resin finish)
- ✓ wide output range



*The photos represent standard versions: the final equipment may differ depending on the specific requests.*

# Medium and low pressure

MACHINES TO DOSE AND DISPENSE

› RIGID & FLEXIBLE POLIURETHANE FOAMS › ADHESIVES › ELASTOMERS › FILLED RESINS › RESINS FOR CASTING › COMPOSITES



## ME

- ✓ LOW PRESSURE
- ✓ POUR AND SPRAY PROCESSING
- ✓ STATIC AND DYNAMIC MIXING
- ✓ fixed and/or variable ratio
- ✓ wide range of ratios
- ✓ gear pumps + inverter
- ✓ flow meters
- ✓ continuous recycling up to the mixing head
- ✓ output from 0,15 kg to 12 kg
- ✓ less maintenance



## MP & MP-TR

- ✓ MEDIUM PRESSURE
- ✓ PURE AND FILLED BI-COMPONENT RESINS
- ✓ SUITABLE FOR VACUUM DISPENSING
- ✓ variable ratio
- ✓ gear pumps + inverter
- ✓ flow meters
- ✓ continuous recycling
- ✓ output from 0,3 kg to 15 kg
- ✓ 40 bar into dynamic mixer (MP-TR)
- ✓ less maintenance



## MC

- ✓ LOW PRESSURE
- ✓ SHOT DISPENSING
- ✓ RESIN CASTING
- ✓ fixed and/or variable ratio
- ✓ wide range of ratios
- ✓ cylinder dosage or plunger piston
- ✓ pressurized or vacuum tanks
- ✓ in line integration
- ✓ flow rate output on demand
- ✓ less maintenance

# Spray and Pour

DOSING AND DISPENSING PLANTS OF ADHESIVES AND RESINS

› ADHESIVES › RIGID & FLEXIBLE POLIURETHANE FOAMS › HARD COMPACT PRODUCTS OR ELASTOMERIC › PIR FOAM



## MGP1

- ✓ HIGH, LOW OR MEDIUM PRESSURE
- ✓ ADHESIVES, FOAMS, ELASTOMERS DISPENSING
- ✓ MONO OR BI-COMPONENT
- ✓ gear pumps or piston pumps
- ✓ tanks heated or cooled
- ✓ head transfer on demand
- ✓ components' recycling lines
- ✓ output on request
- ✓ suitable for continuous and discontinuous panel lines



## MGP2

- ✓ MEDIUM PRESSURE
- ✓ ADHESIVES, FOAMS, ELASTOMERS DISPENSING
- ✓ MONO OR BI-COMPONENT
- ✓ gear pumps + inverter
- ✓ tanks heated or cooled
- ✓ head transfer 1200/1600 mm with double harm
- ✓ components' recycling lines
- ✓ output on request
- ✓ suitable for continuous and discontinuous panel lines

## DPR



- ✓ PIR FOAM ADHESION PROMOTER DISPENSER
- ✓ UNIFORM DISTRIBUTION TO FULL COVERING OF SURFACE
- ✓ MONO OR BI-COMPONENT
- ✓ high precision dosing unit
- ✓ output from 200 to 700 cc/min (each line)
- ✓ components' recycling lines
- ✓ 3 possible layouts: single arm, double arm, bridge
- ✓ for continuous sandwich panel lines



## *Machines and plants for Polyurethanes and Resins*

From mattresses to transformers, from insulation to waterproofing, from set design to boating, from the consolidation of trains' ballast to motorcycle air filters, from machine for pultrusion plants to those for production of polyurethane's blocks, to the agglomerate coloring line, from sandwich panels for clean rooms to soundproofing panels: we make machines that manufacture your products.



## *Engineering and manufacturing of special machines*

Reliability, Custom tailoring, Service: three key words that lead our special machines' manufacturing process, conceived and realized to satisfy a specific requirements, perform a specific task, manufacture unique objects.



## *The perfect partner*

Our mission is to support Companies in their core business, and in the global market. We owe our growth to companies that have choice us. We thank them putting professionalism in our job. Your problem is our problem. The solution is a must.

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All about us and our production

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