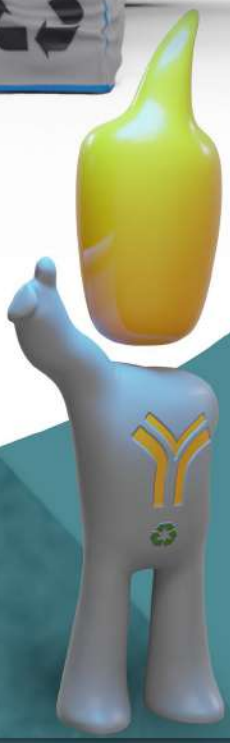
GIVE SHAPE TO YOUR IDEA

plastics technology solutions

Leader in co-injection plastic system



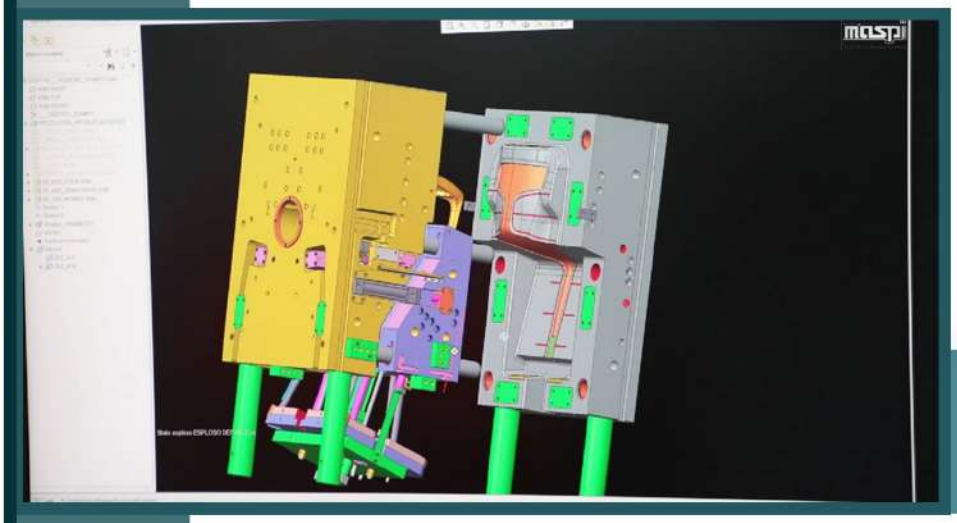
THE TECHNOLOGICAL PARTNER FOR QUALITY AND ENVIRONMENTALLY FRIENDLY PLASTIC DESIGN

Maspi is a plastic molding company based in Bergamo (Italy) that develops and implements its customers' design ideas in a qualitative and economical way since 1978. Maspi operates with the aim of producing superior quality articles with a focus on the use of recycled materials. The company has a wide park of machines composed by Mono stations, Multistations and Overmolding or Bi/Tri color.

Our customers have access to all conventional injection molding technologies: compact, gas, overmolding and IML. Moreover, Maspi is the pioneer and market leader for the unconventional molding process: Restylon, the Co-injection technology system.

Restylon makes it possible to obtain articles of excellent aesthetics with a reduced environmental impact, thanks to the use of always at least 30 percent recycled material in every product.

Realize a project with us



Maspi offers its customers a complete service from project idea to mold design and molding of the product.

The process is divided into several stages:

1. The Co-design and study of the project from idea to technical feasibility.

2. Engineering study of the project with analysis of structural calculations using FEA - FEM software.

3. Design analysis: using Smart Mold or 3D Moldex software.

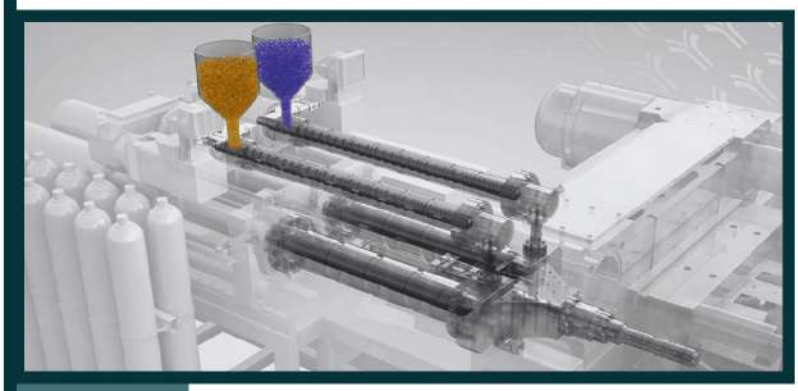
4. Mold development and creation with our Partner SCS Srl.

5. Samples analysis, start of series production of the project.

6. Conventional or customized packaging and shipment of products.

Molding Technologies

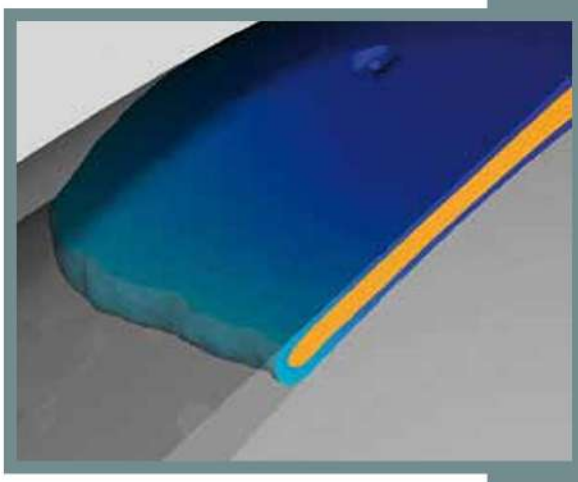
RESTYLON
Design what you imagine



Restylon is the co-injection plastic transformation process that combines two compatible polymeric materials, using at least 30 percent recycled plastic without compromising the aesthetic end of the article.

Going beyond the traditional system

Co-injection molding has two plasticizing cavities, into which the core and the skin of the article are injected. The materials will come together inseparably and produce an article with both structure and aesthetics. Restylon allows to produce articles with thicknesses from 7 up to 40 mm.

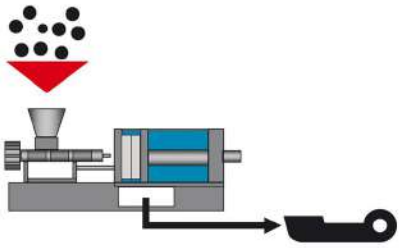


At least 30% recycled with reduced Co2 emissions

Products that are 100% recyclable at end of life

Allows greater thicknesses and thus more freedom of form for design

Molding Technologies



TRADITIONAL MOLDING

Compact molding, or traditional molding, is the transformative process that allows the manufacture of products with medium-small thicknesses up to 7 mm.

GAS MOLDING

Gas molding allows the production of objects with large thickness with an emptying of the inner part. This technology can also be used in parallel together with Restylon Co-injection molding.

OVERMOLDING

Overmolding or Bi/Tri Material, is used to produce items in different colors and/or in different materials. The materials do not come together chemically but one overlays the other, differing in color.

IN MOLD LABELING (IML)

IML (In Mold Labeling) molding allows to produce articles with greater resistance to aging than varnishing or screen printing through placing a film on each molded object.

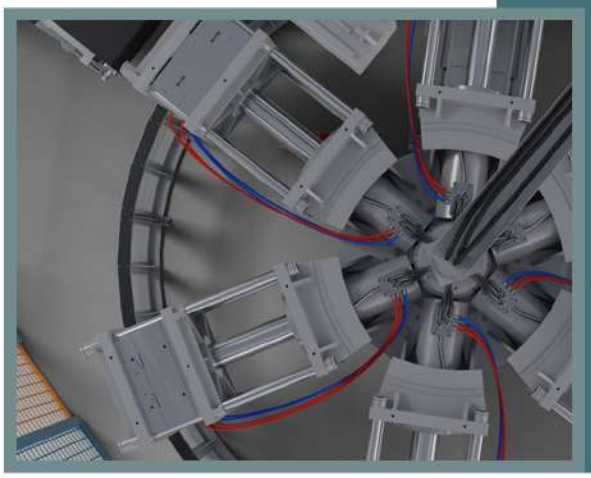
Machines

Monostation

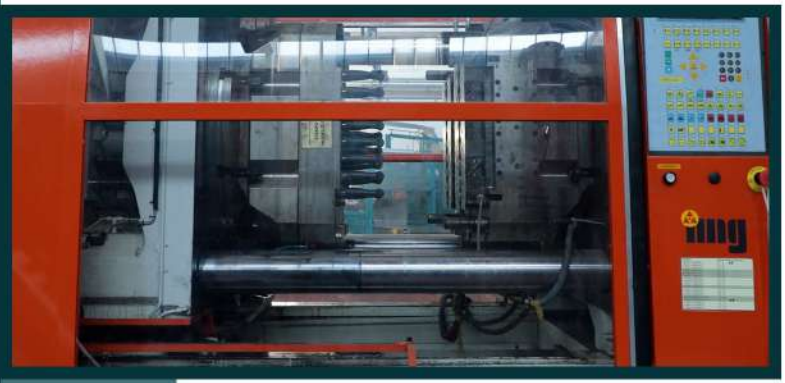
Maspi has several monostation molding machines of different brands. At Maspi these machines are used for either classic co-injection molding or mono sandwich molding.

Multistation

Maspi has multiple machines of this type that enable to produce a variety of large-scale items with savings in terms of time and energy. The machines have 5 or 6 stations that can be used in the same cycle to manufacture up to six different products.



Overmolding



Maspi has several overmolding machines used for selected parts of furniture products or for projects in electrical and industrial fields.

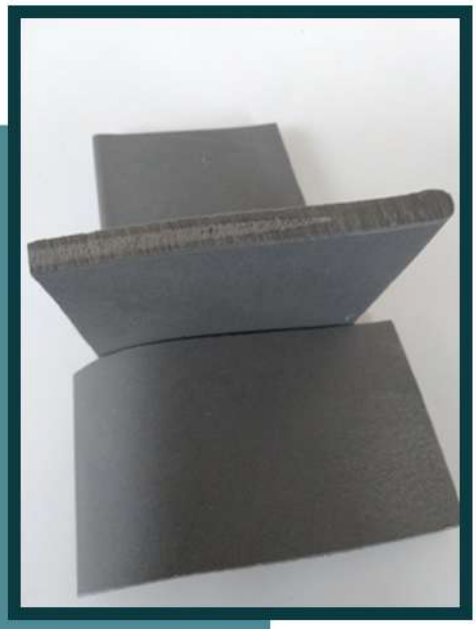
Materials

One of the key steps in any project is the selection of the correct material.
Each material corresponds to different technical and structural characteristics. For Maspi, it is essential to use recycled and produce items that are recyclable at the end of their life. In Maspi, a variety of compounds are used: in the furniture field in greater quantities PP filled with glass fiber and for the bathroom furnishings field ABS and SAN.

Restylon technology can be used with any type of material and allows at least 30 percent of the recycled material to be included in each new article without compromising its quality.

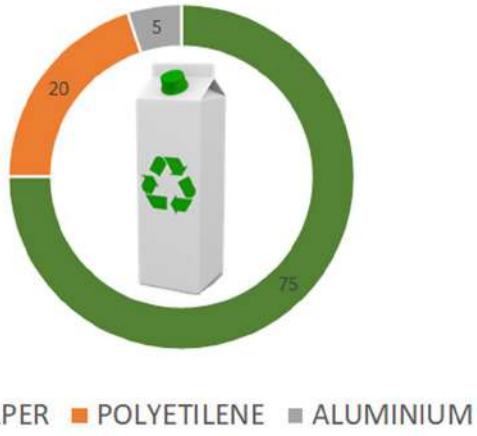
The majority of the items produced by Maspi contain certified post-industrial recycled material, which makes it possible to drastically cut CO2 emissions by one-third and avoid the disposal of waste from manufacturing, which is instead stored and reinserted when needed.

Tetrapak Post Consumer
For more sustainable furniture



From the research and development of new materials, Maspi in cooperation with its partners has succeeded in developing a post-consumer recycled material from the recovery of TetraPak. This material is composed of different materials PAPER, PLASTICS and ALUMINIUM. Making use of highly-engineered techniques, it was possible to create a system for the production of poly-bonded waste (from a plastic film and an aluminum film) to create a new post-consumer plastic material.

From the recovery of 200 Tetrapak cartons, is produced 1 kg of new plastic material



Projects

VS - STAKKI

Based on the design and request of the VS company for the school furniture market, Maspi has produced the innovative VS Stakki chair. This item, created by designer Martin Ballendat, is outlined in a modern design that offers agility and freedom. The chair was made using Restylon technology with a compound consisting of recycled and virgin Polypropylene with glass fiber.

VS

INTERSTUHL - MONOCHAIR

The new Mono chair was produced together with the company Interstuhl for the office furniture market. The item, conceived by designer Sven Von Boetticher, is composed of Polypropylene with glass fiber, made with Restylon technology.

interstuhl

SEDUS - SEMOOD

For Sedus company, Maspi produced the frame of SE:MOOD the agile seat with harmonious aesthetics. The frame was made using the Restylon system with a compound consisting of 100 percent recycled PP with glass vibra.

sedus

Discover all our projects

A worldwide company

calligaris

The Senator Group

VS

interstuhl

sedus

REDI®

ROLF BENZ

Poltrona Frau
Fondata nel 1912

vitra.

STYLEX

VERSTEEL

CONTACTS

The technological Partner for perfect plastic design

Maspi has always been looking for new challenging projects in plastics with a focus on the use of recycled materials. Our plastic molding technology is cross-cutting to every sector, always proposing high quality, aesthetic and economical products. Our 30 years of experience in the furniture field makes us a reliable partner for every project.
At Maspi we shape our customers' ideas.

Collaborate with us on the development of a new plastic project. Contact us through our website or scan the QR Code. We are also present on Linkedin and Youtube with posts and videos explaining our technologies and projects.

References

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plastics technology solutions

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