

MECAPLAST

Plastic Technical Solutions



www.mecaplast.re.it

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Mould Design and Construction

Injection Moulding

Metal Replacement



MOULDING AND WORKSHOP

We have a moulding department with 10 injection moulding machines for a range from 60 to 380 tons of clamping force. We have chosen to equip our presses with Kluin Wijhe B.V. injection units and Maxi Melt plastification screws, which are specific for optimising the plasticization of high-performance technopolymers. Moreover, for post-moulding processing we make use of semi-automatic stations and assembly lines. The in-house workshop allows us to build small moulds and to perform immediate maintenance works. Through the well-established cooperation with an advanced mechanical workshop, we undertake the implementation of more complex projects.



FOR MORE THAN 45 YEARS BETWEEN MOULDS AND MOULDING

Since 1976 we have been designing and building moulds for moulding plastics and we have been dealing with injection moulding and metal replacement.

45th
OVER since 1976

A PASSION FOR POLYMERS

Our knowledge of polymers and their technical characteristics and our expertise in mould construction and injection moulding are the basis for a customer-supplier collaboration, which has the common goal of developing increasingly technical and innovative products.

We support customers engaged in numerous sectors, in all operational phases of a project: from feasibility analysis, to the proposal of technical solutions and of the most appropriate polymer to be applied, proceeding with the construction of the mould, up to the production of the part and to any ancillary processing.

METAL REPLACEMENT

The constant evolution of polymers provides us with technical materials with high mechanical performance:

- dimensional stability,
- resistance to mechanical stress and wear,
- chemical and heat resistance up to 275° C,
- retention of strength and stiffness in wet environments.

These are just some of the technical characteristics of polymers that applied and exploited correctly, allow us to propose innovative metal replacement solutions in order to improve the physical, mechanical and functional characteristics of the product, optimising its productivity and costs.



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di CONTI EMANUELE & C s.a.s
Via Montesanto, 48/a
42021 Ghiardo di Bibbiano (RE) ITALY
Tel. +(39) 0522 882 338
info@mecaplast.re.it

SINCE 2001



www.mecaplast.re.it

