



MODELLERIA ZUIN srl 

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————— www.modelleriazuin.it - info@modelleriazuin.it —————

Our History.

Modelleria Zuin is a family-run company founded in Padua in 1985. Today we are one of the leading companies in foundry industry in Italy with decades of experience supplying the most important Italian and European customers.

In recent years, we have completed our portfolio by giving our customers the complete service - from the idea to the final product.

Specialized in the production of full casting molding equipment we operate in compliance with the highest quality standards.

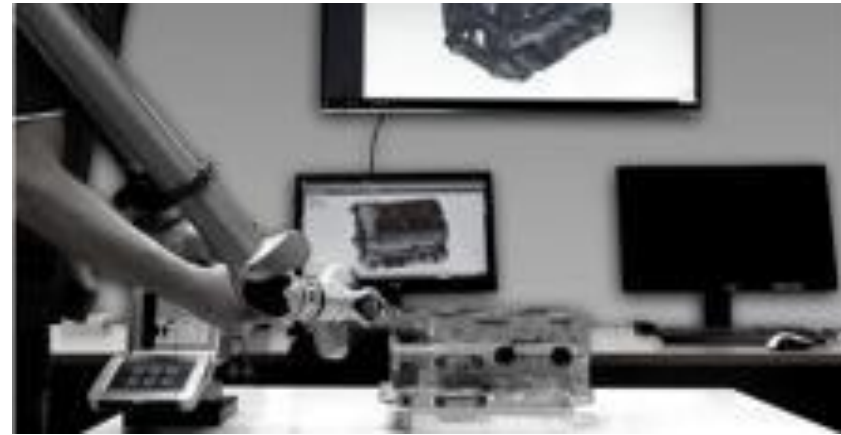


Company Profile.



2D / 3D DESIGN STUDIO (CAD - CAM)

CAD equipped with modern 3D software, for the modeling of solids and /or surfaces.



SCANNING AND REVERSE ENGINEERING STUDIO

Equipped with different 3D scanning machines we can “digitalise” physical objects and transform them into CAD projects.



CNC PRODUCTION AND MOLDS CONSTRUCTION

Thanks to the use of 3 and 5-axis milling machines, the production and construction of molds, models and coreboxes is perfect for the processing of any form of material.

Production and services.

Specialized in prototypes and equipment for: operating machines; pump sector centrifuges; winches; finned units for heat dissipation; inverter boxes; automotive components; electric and endothermic motors, hydraulic distributors and control valves.

DESIGN

FOUNDRY EQUIPMENT

PROTOTYPING

SAND MOULDS AND CORES

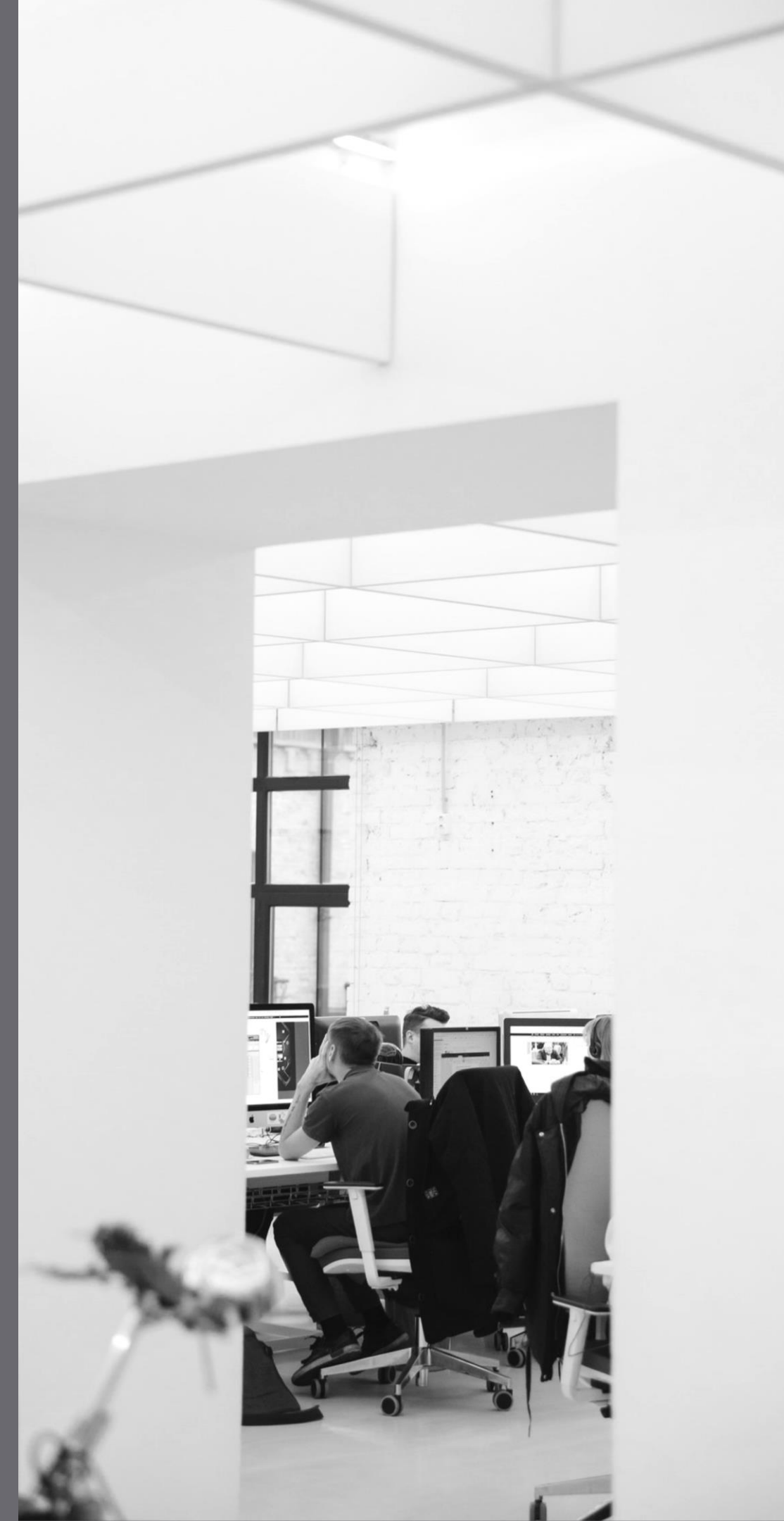


Design.

In particular, due to its large technological office, Modelleria Zuin excels in the service it provides to its customers.

Thanks to numerous workstations equipped with the most advanced CAD / CAM software tools, it is possible to handle even the most complex projects.

We conduct extraction testing, 3D editing, industrialization, including scanning and reverse engineering activities with scanning systems especially equipped with unique software and hardware (Opto-mechanical and structured light) ideal for all engineering activities when the 3D file is not available.



Foundry Equipment.

Modelleria Zuin specializes in the construction of equipment for the oleodynamic, hydraulic, automotive sector and the most elaborate metal models, molds for thermoforming and plastic injection, molds for aluminum casting by gravity or low pressure.

The machine park consists of numerous high-speed 3 and 5-axis milling machines with a working range up to 3000x1000x800mm, ideal for working from lighter materials such as wood or low density resin (for sampling tools or low series) up to treated steels (to make the most durable tools for the high range).

We can also produce prototypes of hydraulic castings, to reduce the lead time of samples, avoiding the construction times of foundry tools, thanks to the company's engagement in the most advanced solutions for sintering and 3D printing of sand cores.



Prototyping.

Functional and aesthetic mechanical prototypes are created based on the 3D geometries of complex parts (also in undercuts and with cavities).

Everything is built using Toolless techniques (without the use of forming equipment and foundry tools) reducing to a minimum of both start-up costs and technical construction times.

- Prototypes in Quick Sand Casting
- 3D printing(SLS) prototypes
- Prototype investment casting
- Prototype Cores
- Prototypes in Direct Metal Laser Sintering (DMLS)
- Prototypes in Stereolithography(SLA)
- Prototypes in CNC / Machining
- Prototypes from Silicone Molding
- Rubber Prototypes
- Prototypes in carbon fiber lamination

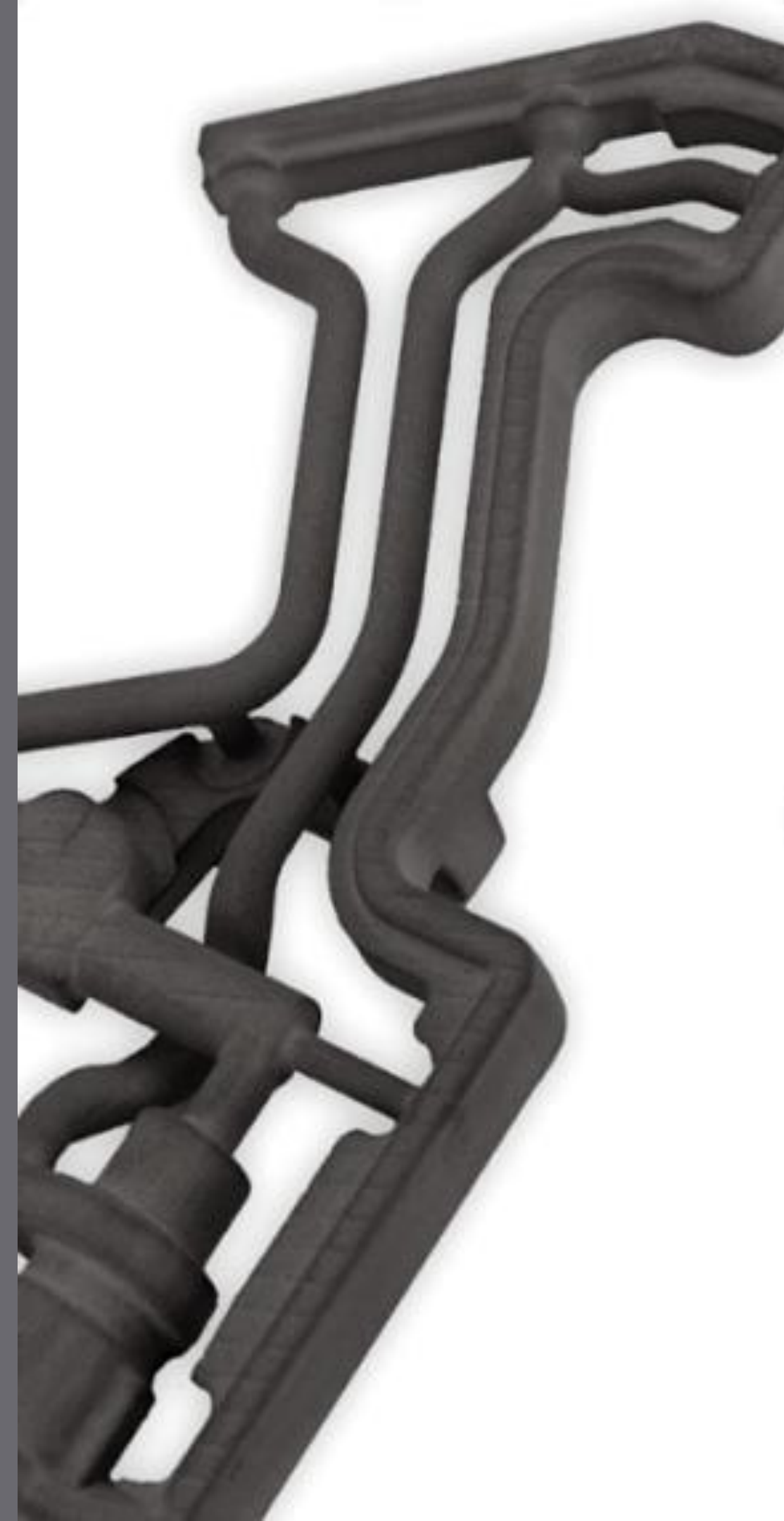


Sand moulds and Cores.

Specialized in the creation of products obtained from 3D printers.

Thanks to this technology it is possible to satisfy even the most demanding customers by developing products for the most varied industrial sectors.

The services are further expanded thanks to the possibility of supplying cores and sand moulds with more full-bodied or voluminous geometries obtained from silica 3D printing machines. With this process we create shapes binding together furanic resin with silica sand or cerabeads. The process is ideal for products with large undercuts or for large castings such as differential bell gearboxes and semi-horns.



Our Mission.

Thanks to these highly integrated services that include Rapid Prototyping, high-speed CNC milling, mechanical processing, we can make the road to your successes quicker and easier, allowing you to develop increasingly sophisticated products in a very short time and at competitive costs.



"It is important to work while treasuring the taste of what you do. The sacrifice goes unnoticed if you do things with passion and enthusiasm".

Alex Zanardi





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