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# De Moli Giancarlo Industrie S.p.A.

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Innovation, custom design, social commitment

Castrotonno, 2024

# INNOVATIVE SYSTEMS, TECHNOLOGY & KNOW-HOW

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## Our Mission

To conceive, design and produce the best and most innovative systems and mechanisms for motor vehicles and the industrial sector through constant attention to new technologies and innovation.

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## Our Vision

To continuously develop unique know-how that enables us to design and provide the market with products for any application and context at any time, thereby drastically reducing delivery times.

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# A HISTORY OF SUCCESS SINCE 1948

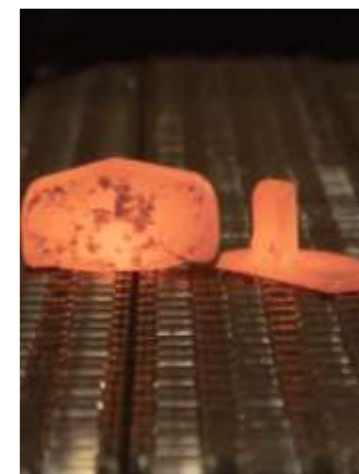
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De Molli Giancarlo Industrie S.p.A. **was established in 1948** as an artisan manufacturing company dedicated to the production of tools. In 1964, the **first production of hinges for motor vehicles** was started.

From that moment on, the company became a **benchmark in the automotive sector** in hot and cold processing and stamping, die casting and milling, using mechanical and hydraulic presses, induction furnaces and related systems, 3/5-axis CNC machines and wire and immersion EDM machines.

Today, De Molli Giancarlo Industrie S.p.A. is considered a benchmark of excellence in the sectors in which it operates and is recognised as one of the largest manufacturers in the industry of small, medium and large series production; the company also excels at one-off projects.

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# EQUIPMENT, STAMPING AND QUALITY CONTROL

## WHAT DO WE DO?

We specialise in:



Parts design, all aspects of which take place in-house at the company



Hot stamping, die casting and cold stamping of steel, aluminium, titanium and alloys



Automated assemblies



Quality Control and Testing

We have a flexible production facility, which allows us to satisfy the production needs of every type of customer.

## WE CAN DESIGN AND PRODUCE SOLUTIONS FOR:

◆ SMALL, MEDIUM AND LARGE SERIES

◆ ONE-OFF PROJECTS



# FROM DESIGN TO TESTING

## Research & Development

The R&D department, which was highly sought-after and established by company management, has allowed us to distinguish ourselves from other players in the market and to grow constantly over time. All our research and development activities are now dealt with in-house, allowing us to independently develop and manage all phases of the design process, using the following methods:

- ◆ **Co-design:** We manage 2D and 3D development in a participatory design process with the customer, which allows for a very high level of product customisation and ensures all customer requests are met in every detail.
- ◆ **Build to Print:** Starting from the 2D model provided by the customer, we carry out the feasibility study of the product and create a 3D model, following the indications received regarding the technologies to be used and the development goals to be achieved; we use computer systems that are compatible with any 2D/3D transmission and visualisation language.

As regards co-design, we manage the entire process according to the following operating procedure:

- **Receive the customer's required needs**
- **Engineering**
- **Mathematisation of the product**
- **FEM calculations to verify the correspondence of the required technical characteristics with the development done**
- **2D designs are drawn up**
- **6. Rapid Prototyping**
- **7. Functional prototyping**
- **8. Testing**



# TOTAL QUALITY CONTROL

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## TESTING AND ANALYSIS

We manage 100% of the **analysis, testing and quality control** phases.

The tests are carried out in our in-house laboratory, which allows us to maintain total and direct control over the quality and reliability of the products and purchased materials.

Our tests and analyses include:

- Rockwell and Vickers hardness tests on metals and synthetics and Brinell microhardness tests
- Chemical analysis by spectrometer
- Microscope analysis to obtain micrographs
- Acid attack tests
- Salt spray testing for corrosion resistance
- Material tensile tests
- Radioscopy
- Testing of resistance to static and dynamic loads of prototypes
- Cycling tests



# CONTINUOUS IMPROVEMENT AND AUTOMATION

## PROCESS OPTIMISATION

By insourcing all our activities, we can pursue a path of continuous improvement for all our processes and the organisation of company itself.

This constant optimisation of the company's corporate structure has a positive impact on:

- ◆ **PRODUCT QUALITY**
- ◆ **PRODUCTION AND DELIVERY TIMES**
- ◆ **BENEFITS FOR THE CUSTOMER IN ECONOMIC TERMS**

The technical specifications of our products are 100% certified, in no small part thanks to our innovative end-of-line automated control systems.



# CUTTING-EDGE TECHNOLOGIES

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## TOOLS AND MACHINERY

We use cutting-edge machinery and tools, including:

- Hydraulic and mechanical presses ranging from 500 to 2,500 tonnes
  - Automated robotic systems
  - Transfer and CNC machines for production
  - Systems and automations for automatic assembly
  - Advanced computer systems for design using Catia, Siemens, Step, Iges formats
  - Rapid Prototyping and Testing Tools
  - Scanners and coordinate measuring machines (CMMs), to ensure dimensional accuracy and compliance with tolerances
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# AUTOMOTIVE AND MORE: The sectors we operate in

## Products and Relevant Industries

Below are the industries and markets served and the main products manufactured  
by De Molli Giancarlo Industrie S.p.A.:



### AUTOMOTIVE INDUSTRY

Single-fulcrum and multi-fulcrum  
and gull-wing hinges

Sliding door systems

Internal and external aesthetic finishes

Frame mechanisms

### RAILWAY/ENERGY SECTOR

Security seals

Spherical junctions

Linkage for railroad switches with  
patented products

### ISOTHERMAL SECTOR

Hinges and hinge bases

Closures for isothermal vehicles

Sliding door trolleys

We are not only active in the sectors listed above: thanks to the *know-how*, experience and production flexibility we have perfected through several decades in the business, we can operate in any industry where our abilities and skills are required.

# GREAT CHALLENGES AND GREAT SUCCESSES

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## SPECIALISED IN THE AUTOMOTIVE INDUSTRY

**The automotive industry is the main sector we work in.**

In particular, we collaborate in areas where very high standards of performance, precision, compliance with technical specifications and deadlines are required, such as:

- ◆ F1
  - ◆ Supercars and sports cars
  - ◆ Luxury cars
  - ◆ Light, medium and heavy commercial vehicles
  - ◆ Agricultural machinery and vehicles
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# OUR VISION AND ORGANISATION IS DIFFERENT

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## OUR DISTINCTIVE FEATURES



**Total control  
over all processes**



**Punctuality**



**Flexibility  
and customisation**



**Patents**



## 1 - TOTAL CONTROL OVER ALL PROCESSES

We manage the **entire production system in-house**, from design to testing.

By insourcing all phases of the process, we can ensure **total control over the design, production and delivery times**.







## 2 - PUNCTUALITY

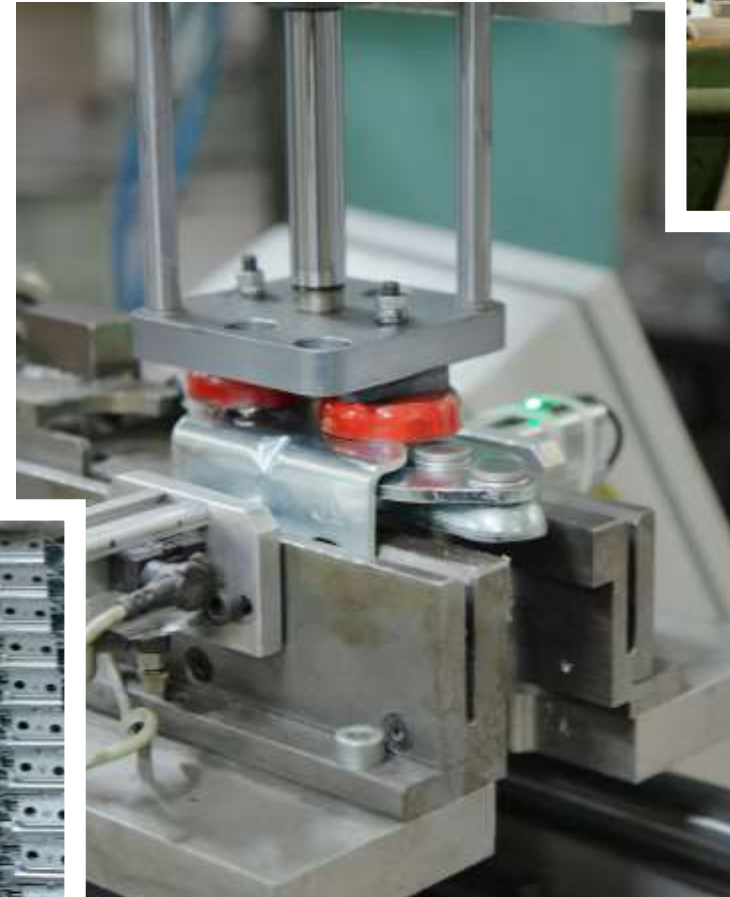
Thanks to our total control over the entire process, we can guarantee a **significant reduction in production and delivery times**, ensuring absolute punctuality and compliance with agreed-upon delivery times for both prototypes and series parts.





### 3 - FLEXIBILITY AND CUSTOMISATION

In this way, we can successfully **work in all sectors**, taking on specific requests and developing customised projects that are tailor-made with the customer's direct participation

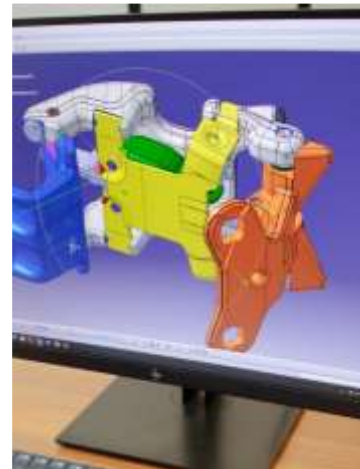
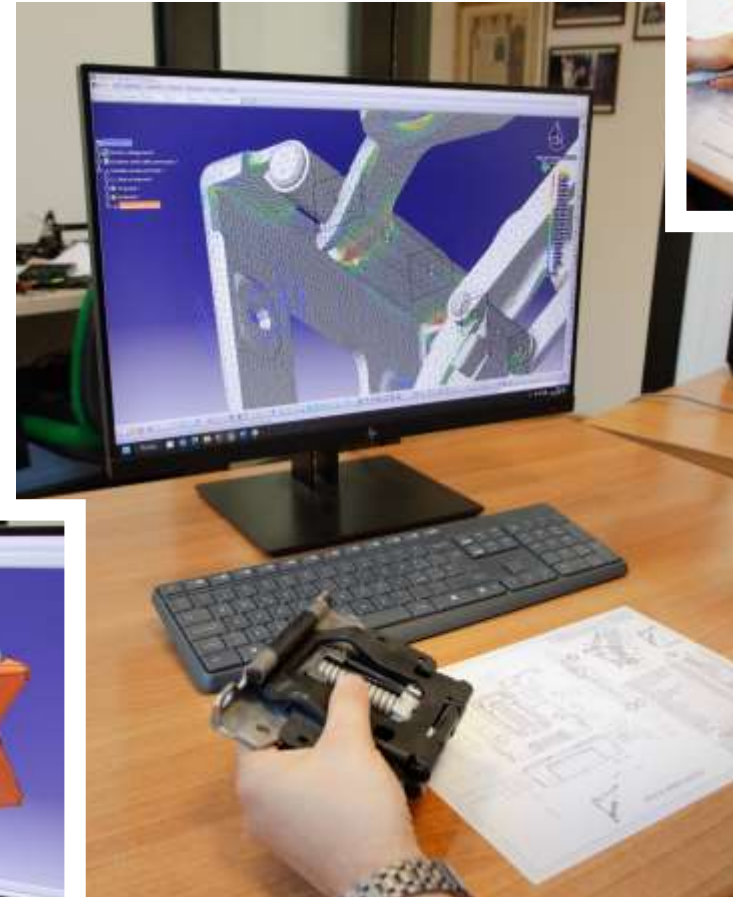




## 4 - PATENTS

Control over all processes, organisational flexibility and the expertise of our R&D department technicians have allowed us to register **over 30 patents** in the last 5 years.

Most of our patents are registered as shared patents: 50% to the customer – as an integral part of the design process and participant in product development – and 50% to **De Molli Giancarlo Industrie S.p.A.**



# INTERNATIONALLY CERTIFIED RELIABILITY

## OUR CERTIFICATIONS

We have the following certifications:

- ◆ **IATF 16949:2016:** international standard for Quality Management Systems (QMS), particularly for the automotive sector.
- ◆ **UNI EN ISO 9001:2015:** international recognition that attests to the reliability of the company's quality management system.
- ◆ **ISO 14001:2015:** international standard that certifies the effectiveness of the company's Environmental Management System (EMS).

**intertek**  
Total Quality. Assured.

## CERTIFICATE OF REGISTRATION

This is to certify that the management system of:

### DE MOLLI GIANCARLO INDUSTRIE S.P.A.

Main Site: Via S. Alessandro n. 10, CASTRONNO (VA), 21040, Italy (Italia)  
IATF USI Number: YHSXZP

has been registered by Intertek as conforming to the requirements of:

### IATF 16949:2016

The management system is applicable to:  
Design and manufacturing of hinges and precision mechanical parts by hot and cold die forging and machining.  
Permissible exclusions include: None

IATF Certificate Number: 0544355  
Certificate Number: 2022-0639  
Certificate Issue Date: 11 September 2024  
Certificate Expiry Date: 10 September 2027

**Calin Moldovean**  
President, Business Assurance  
Intertek – 4700 Broadmoor, Suite 200,  
Kentwood MI 49512, USA

In the issuance of this certificate, Intertek assumes no liability to any party other than to the Client, and then only in accordance with the agreed upon Certification Agreement. The certificate's validity is subject to the organization maintaining their system in accordance with Intertek's requirements for ongoing certification. Validity may be confirmed via email: [certificate.validation@intertek.com](mailto:certificate.validation@intertek.com) or by scanning the code to the right with a smartphone. The Certificate remains the property of Intertek, to whom it must be returned upon request.

CI-WT-2008-2010-011-EN-AA-21-01-23 without appendix Page 1 of 1



# A WINNING MODEL FOR ALL PROJECT TYPES

KNOW-HOW THAT CAN BE APPLIED TO ALL SECTORS

Our production model is:



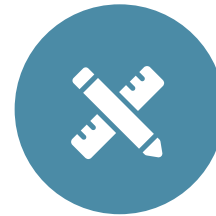
Flexible



Innovative



Completely independent



Customisable

These qualities allow us to apply our *know-how* to any sector type so we can develop custom solutions with cutting-edge technology, in full compliance with production methods that are typical of the engineer-to-order approach.

# DE MOLLI GIANCARLO INDUSTRIE S.p.A. IN THE SOCIAL FIELD

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## OUR COMMITMENT TO THE LOCAL AREA AND ITS CITIZENS

Within its business, is very attentive to social aspects of supporting the territory, regularly offering financial support to 3 important local institutions:



**Varese Hospital**



**Busto Arsizio Hospital**



**University of Varese**

The projects carried out with the support of our company are aimed at the growth of infrastructure and technology that can be used to service local citizens.

# PRIDE, CIVIC SENSE AND RESPONSIBILITY

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Some projects that have been carried out in the social sector

Donations to nursery schools in the municipalities of Brunello and Castronno;

Sponsorship of the new square in the village of San Alessandro in Castronno dedicated to Giancarlo De Molli, founder of the company;

Sponsorship of the bell tower of the Church of San Alessandro in Castronno.

# NEW CHALLENGES FOR THE FUTURE

## De Molli Giancarlo S.p.A. today and tomorrow

De Molli Giancarlo Industrie S.p.A. is a company in constant transformation that has been created around a **flexible, independent and adaptive production model**.

**The challenges of the present day represent the achievements of the future**, for us and for our customers.

Capacity, technology, structural organisation and ambition are our identity values and, at the same time, they are the concrete resources that we make available to our customers, to meet their needs on every level and translate them into tangible solutions that are tailor-made and created from scratch.



Pf fully paid-up share capital euro 1.508.000,00



Covered area: 21,500 m<sup>2</sup>



Discovered area: 38,500 mq





# Contatti

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