



NUOVA FRAMAR

Conceive – build - produce



The experts in zinc die-casting, moulds design and production.

> THE COMPANY



> Quality and efficiency since 1969

The company FRAMAR SRL was founded in 1969 and originally specialized in the production of zinc die-cast parts for the consumer area. During these years, our company has developed expertise and technologies that today are used in all technical fields (automotive, gas, electrical appliances, ...) and in their application.

In 1994, with the "second generation managers", the name of the company was changed to NUOVA FRAMAR. Nowadays the company has highly qualified technologies and efficient systems for the production of components made of zinc alloys, as well as for treatment of various surfaces by semi- and full automatic production process.



> FIGURES



> Establishment : 1969

> Headquarter: Polaveno (BS)

> **Fields:** Zinc die-casting alloys/ mold designing and producton (zinc die-casting parts) / deburring, finishing, tumbling, sandblasting / galvanization.

> **Area:** 7.000m²

> **Zink used:** zamak 3, zamak 5, ZA12;

> **Certification:** ISO 9001: since 2004
IATF 16949: since May 2018 (ISO TS 16949 since March 2016)



> FIGURES



- > 3 production departments: mould construction / die casting / deburring
- > 2 areas of development (component development / tool construction)
- > 42 employees (divided in 2 shifts)
- > 1.400 casting tools in stock (customer owned)
- > 2.600 tons processed zinc die-casting per year



> SERVICES



- > NUOVA FRAMAR offers various manufacturing processes and guarantees the highest manufacturing quality in the production of zinc die cast components.
- > NUOVA FRAMAR has a engineering department with highly qualified staff. Customer-specific projects are being developed with the assistance of a special software for the zinc die-casting.
- > NUOVA FRAMAR is an efficient partner in zinc die casting operations, due to the full automation in manufacturing .
The majority of die-casting tools are internally developed and manufactured.



> PLUS AND TECHNOLOGIES



- > Implementation of FMEA (failure mode and effects analysis)
- > Mould construction with 3D CAD systems
- > Rapid prototyping made of plastic or metall
- > Project Management Software
- > Technical support and cooperation of the R & D department of our customers;
Product Design and Optimization



> TOOLMAKING DPT.



> Mould and tool making

Nuova Framar developed and produced annually about 60 tools and devices (die casting and deburring), testing gauges for the control of processing steps and conducts its maintenance of approximately 1.400 tools, which are located in our warehouse.



> DIE CASTING



> Die-casting department

This area disposes of 12 full automatically die-casting machines (hot chamber), which produce an average of 300.000 parts per day in two shifts.

>	90 ITALPRESSE (nr. 2)	135 AGRATI
	125 AGRATI	175 AGRATI
	130 ITALPRESSE (nr. 2)	190 AGRATI (nr. 2)
	130 AGRATI	200 ITALPRESSE

New 125 Ton FRECH machine (delivered
in September 2022)

> Tumbling department

NUOVA FRAMAR has nr. 4 tumbling machines for deburring and polishing of small and large castings, equipped with an automatic unloading system of the finished components.



> MECHANICAL AND MACHINING OPERATION



> Mechanical machining

To perform the mechanical operations of the zinc die castings, NUOVA FRAMAR invested in several specific machines, such as:

- **HIGH SPEED VERTICAL MICRON HSM 600 MACHINING**

Automatic tool changer - workspace 600 x 600 x 800 mm

- **UNIVERSAL MILLING MACHINE ALCOR**

Workspace 1500 X 800 X 600 mm

- **VERTICAL WORKING CENTRE TOS MACHINING CENTER 100V**

Automatic tool changer - Toolpath 200 x 800 x 600 mm

- **VERTICAL WORKING CENTRE MICRON VCP 1000**

- **WORKING CENTRE CNC 5 AXIS MULTI PALLET DIGITAL ENGINES**

- CNC Lathe
- GRINDING MACHINE
- ERODING MACHINE
- THREAD-CUTTING





SURFACE TREATMENTS



- > Thanks to an active supplier network NUOVA FRAMAR is able to offer all the necessary following treatments: surface coating, chrome plating, powder and liquid painting, nickel plating, galvanizing, 3Q7, and other more.



> QUALITY and CONTINUOUS IMPROVEMENT



> Certification of quality Quality System IATF



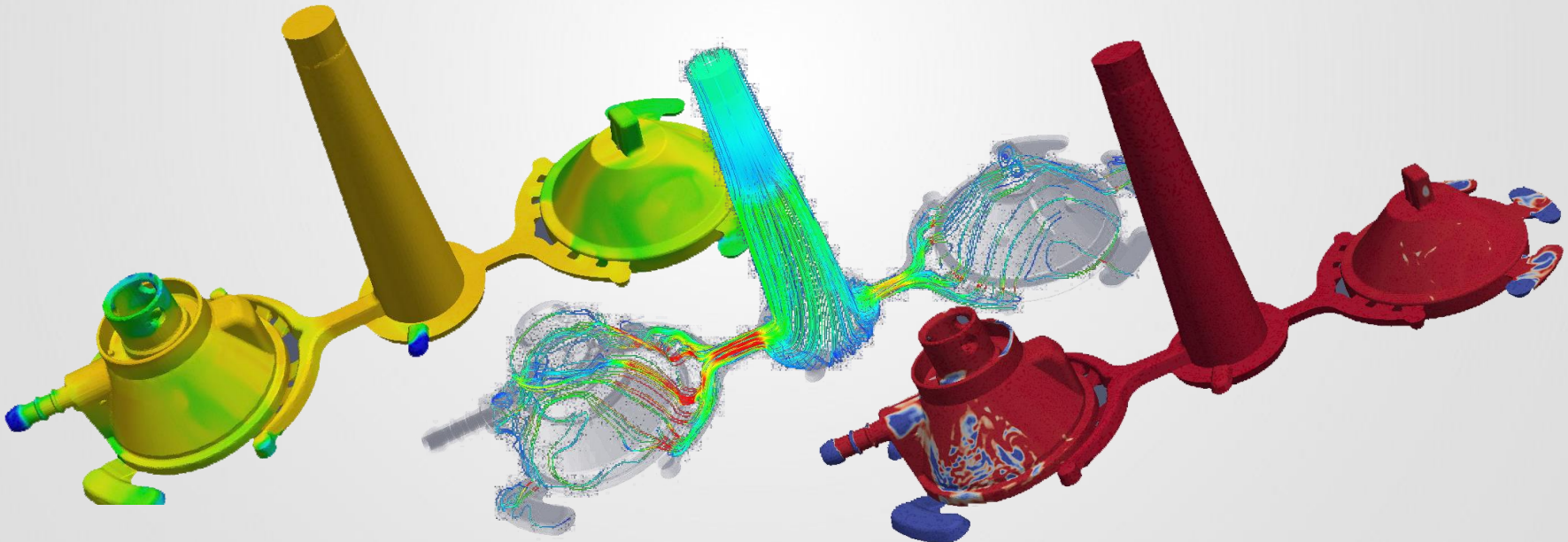
**International
Automotive
Task Force**



> QUALITY and CONTINUOUS IMPROVEMENT

Die casting simulation

- > Disposing of a next-generation software (CASTLE) we are able to calculate the development of casting and solidification temperature distribution, the velocity, the separation of solids and liquids (two-phase system), the porosity and much more else, to better design the mould configuration.



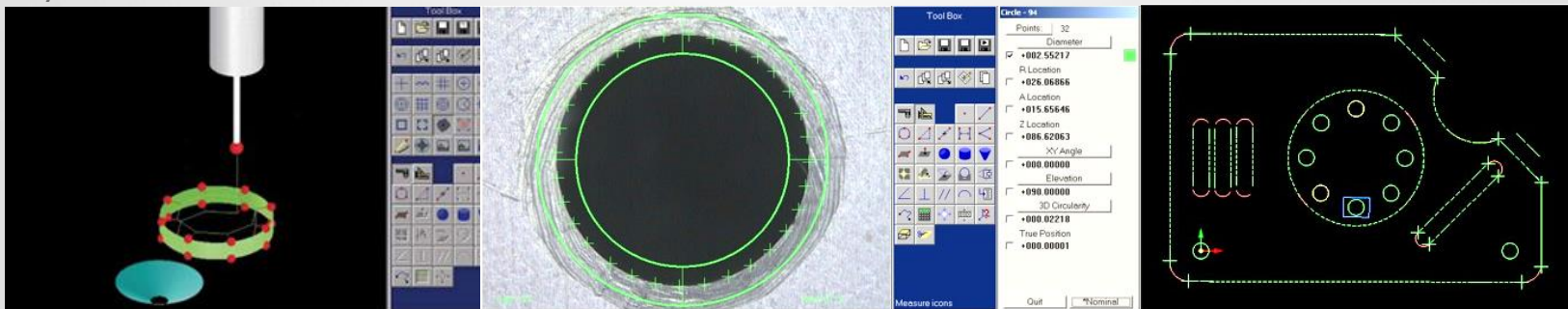
> QUALITY and CONTINUOUS IMPROVEMENT

3D measurement system and SPC control

Ad hoc solutions for a 100% SPC real-time control



Thanks to our 3D measurement system, which performs optical measurement tests and also by contact.





QUALITY and CONTINUOUS IMPROVEMENT



ZEISS O-INSPECT 543

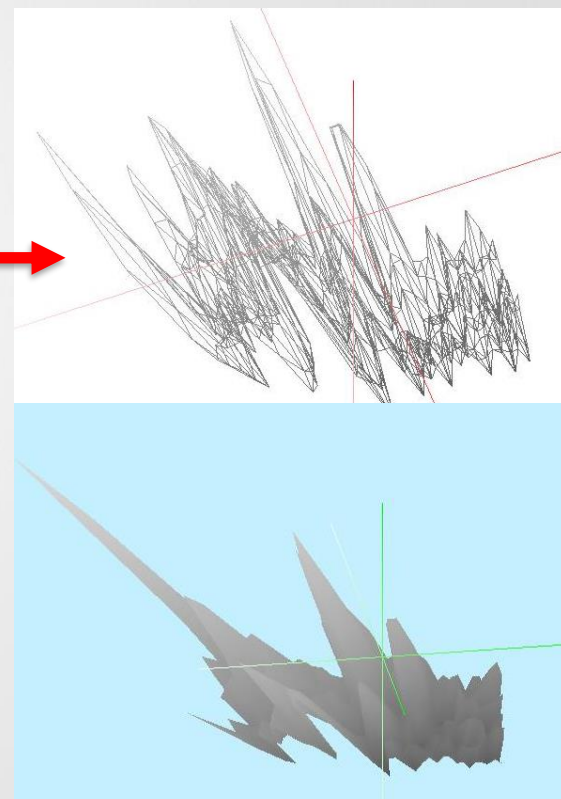
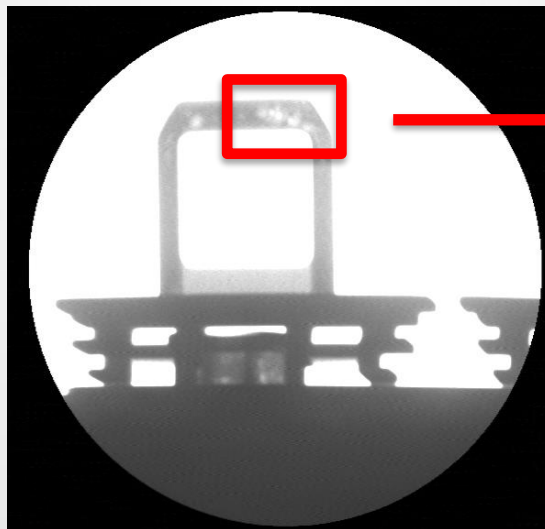
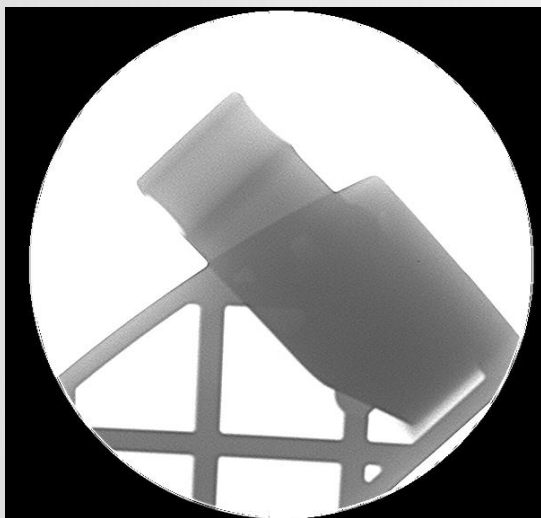
O-INSPECT measuring machines unite optical and contact measuring technology in a single system.



> QUALITY and CONTINUOUS IMPROVEMENT

Non-destructive test by X-ray system:

- > Thanks to our non-destructive X-ray machine we are able to detect any material defect in advance.

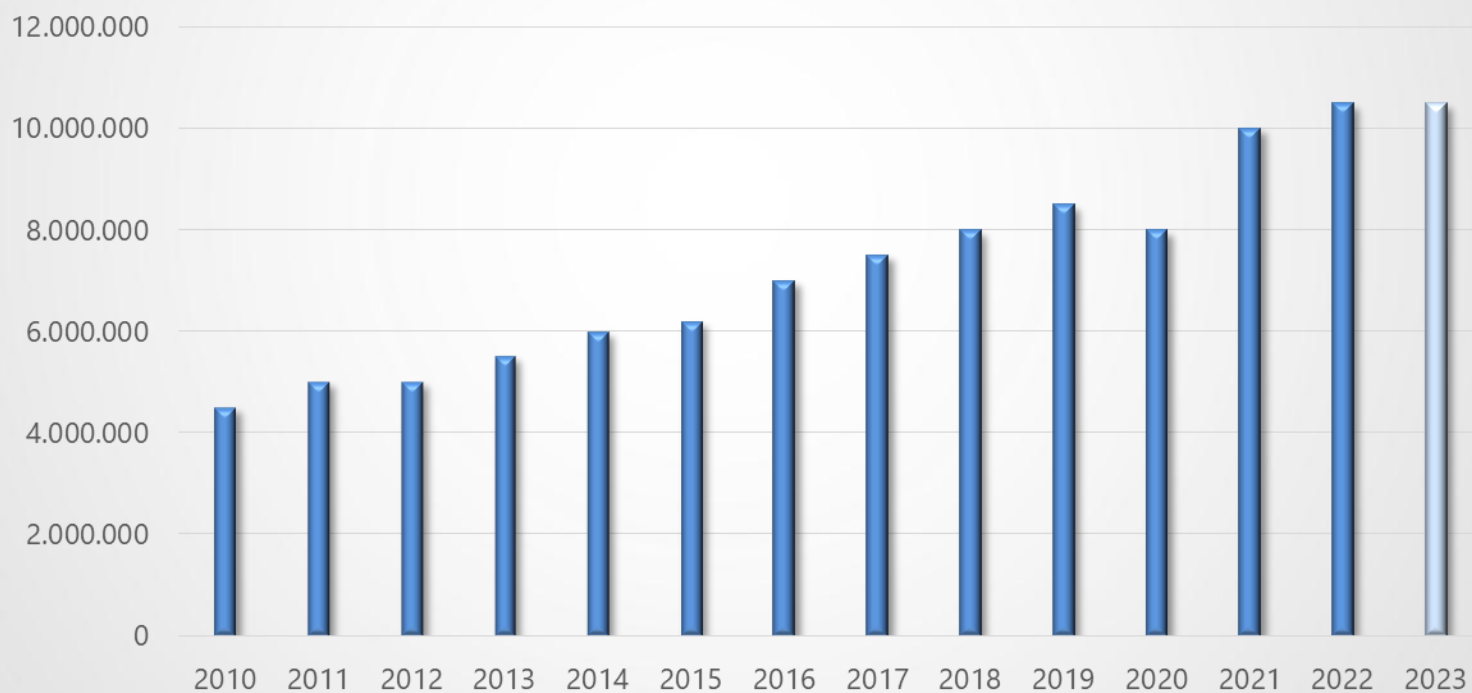




NUMBERS



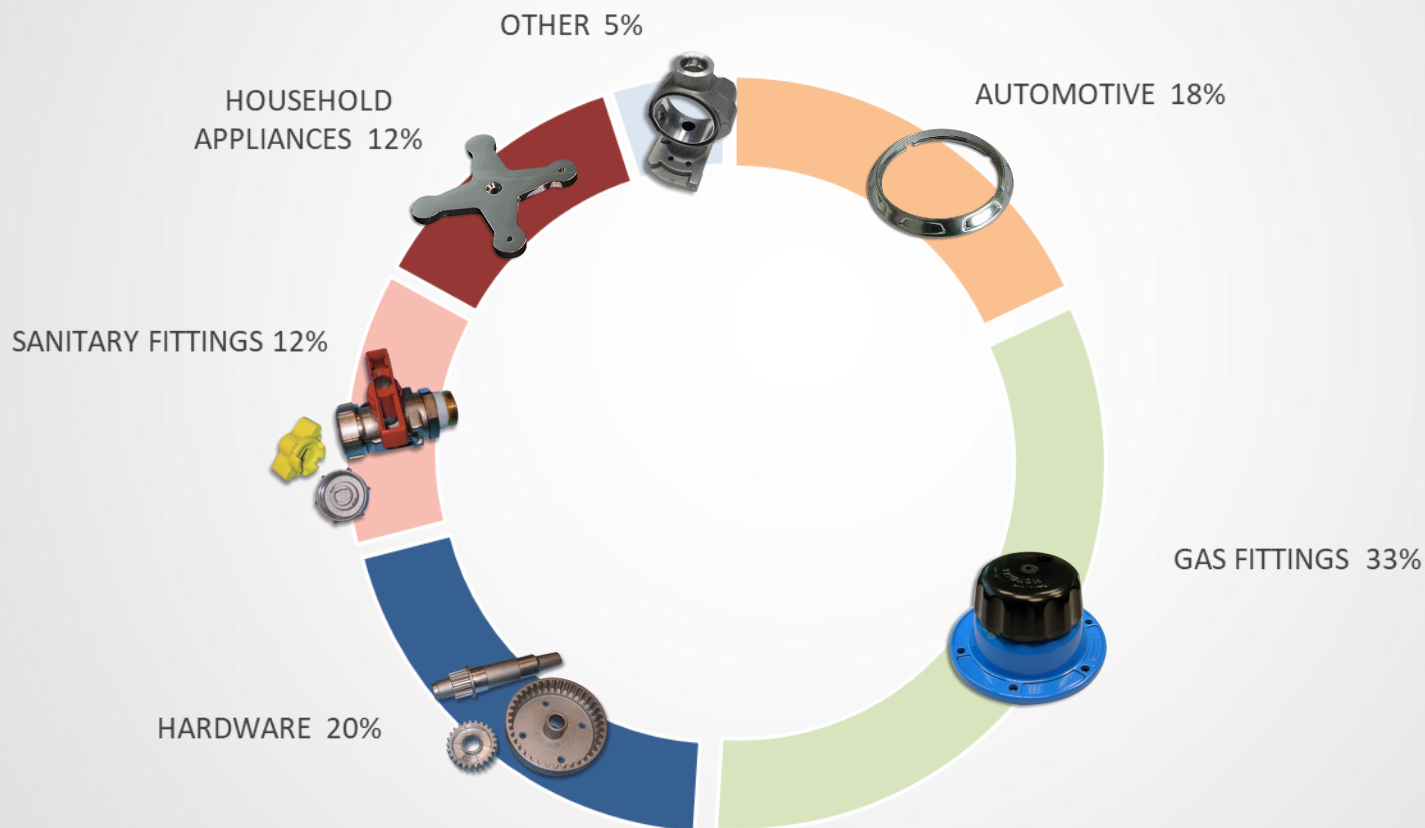
Turnover from 2010 to 2023





NUMBERS

Our Sectors



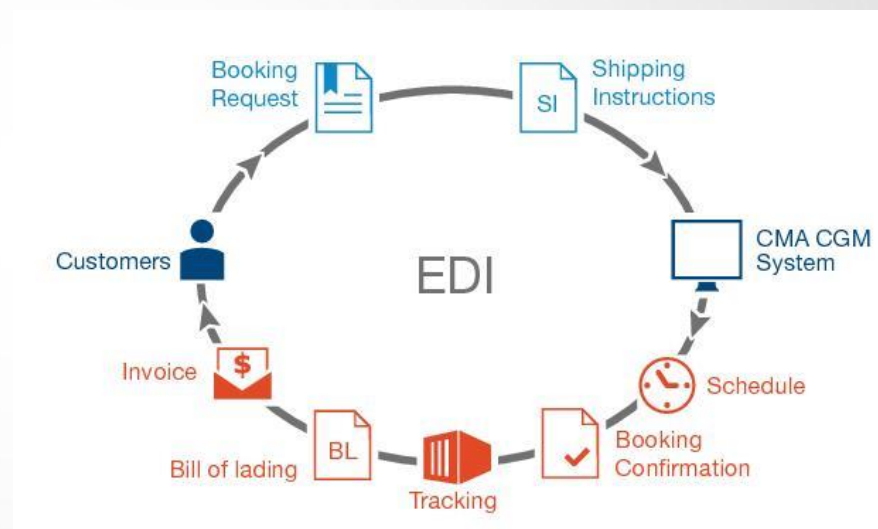
> ERP and PLATFORM



> Our ERP System



> EDI ODETTE Platform



> TARGETS



Our targets within 2025:

- > Environmental certified system: ISO 14001
- > new investment in human resources ,R&D, metrology and instruments, and new plant
- > increase turnover over € 15 million
- > continuous improvement of platforms for business intelligence and ERP system
- > Real time data connection machines and production systems





APPLICATION FIELDS



HOUSEHOLD APPLIANCES



Door hinges for washing
machines and tumble
dryer



Handles for kitchen
and ovens



Knobs for gas and
oven

> APPLICATION FIELDS



> HOUSEHOLD APPLIANCES



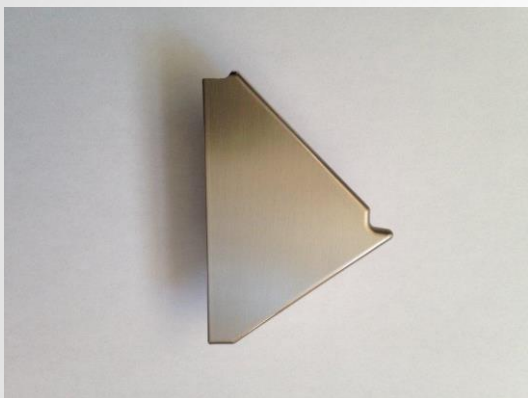
knobs for cook tops and ovens



APPLICATION FIELDS



HOUSEHOLD APPLIANCES



Parts for extractor hoods



Door hinges for washing
machines and tumble
dryer



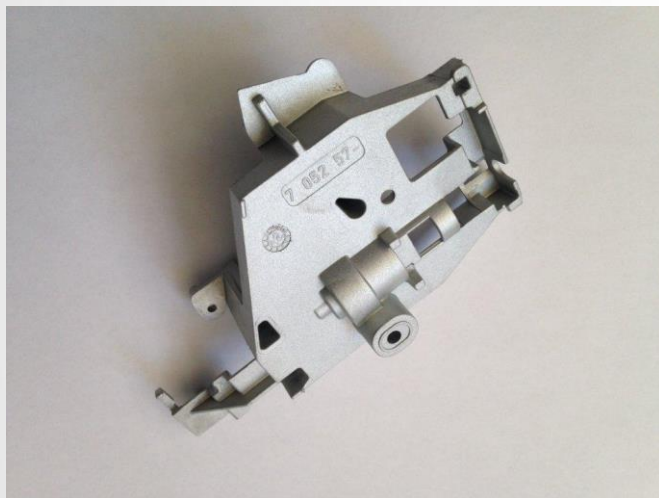
Door hooks for washing
machines and tumble
dryer



APPLICATION FIELDS



HOUSEHOLD APPLIANCES



Lock support plate for the oven

> APPLICATION FIELDS

> AUTOMOTIVE



AUDI car door
opening handle -
dashboard -
finishing 3Q7
Chrome



AUDI gear knob
cover with
finishing 3Q7
Chrom



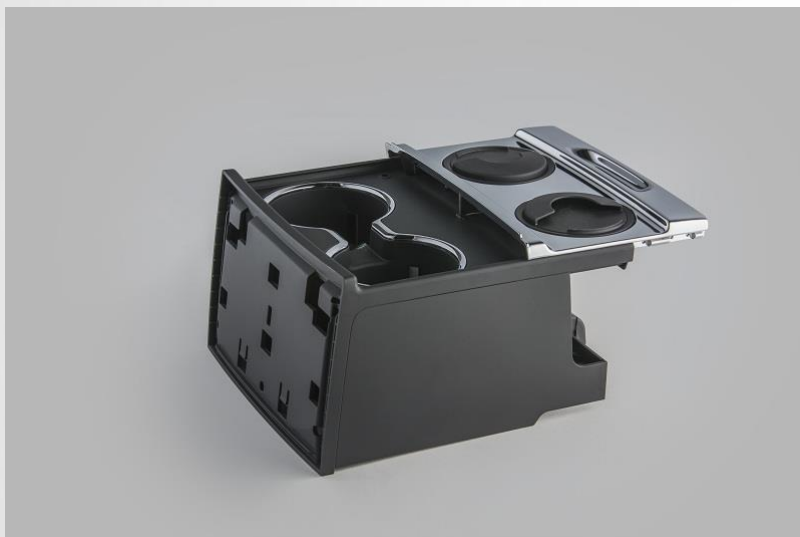
FIAT gear knob



APPLICATION FIELDS



AUTOMOTIVE



Holder for Champagne glass on Rolls Royce



air vent for car interior
ventilation



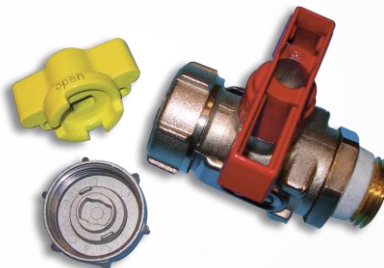
APPLICATION FIELDS



GAS FITTINGS and HEATING SYSTEM



GPL ZP410 gas
regulator.
cover and handle
(10 positions)



Components, handles
hydraulic and
pneumatic fittings



Safety valve for wall
boiler

> APPLICATION FIELDS



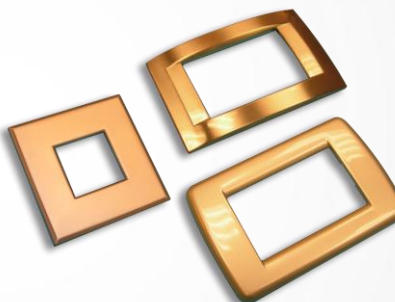
> HARDWARE FOR WINDOWS OR DOORS and LIGHTING



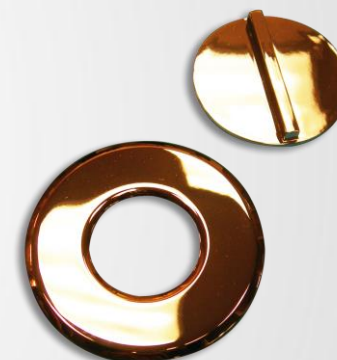
Assembled components for window system with regulation and handle



Handles for doors and windows with different finishing



HIGH DESIGN switch cover



HIGH DESIGN led set cover



APPLICATION FIELDS



HARDWARE



components for
automatic gate
opener



crystal table stand



HIGH DESIGN
knob

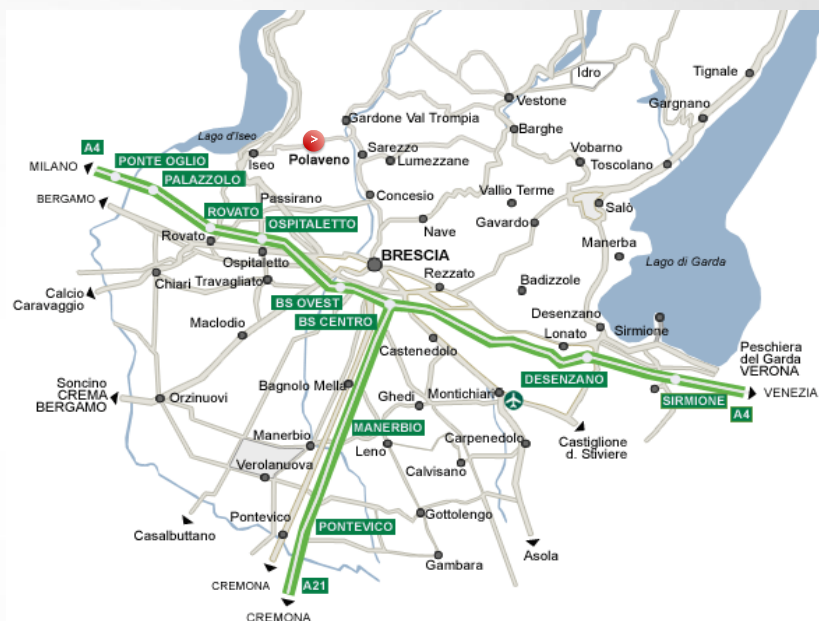


CONTACTS



Nuova Framar Srl

via Artigiani n. 52 25060
S. Giovanni di Polaveno BRESCIA Italy
Tel. +39 030 8940970
Tel. +39 030 8949721
Fax +39 030 8940895
export@nuovaframar.it
nuovaframarsrl@legalmail.it
www.nuovaframar.com



Company certified ISO 9001:2008 since 2004
Company certified IATF 16949 since March 2016



**Thank you for your
attention**
