



STEEL HOT FORGING SPECIALIST SINCE 1938

F.A.C.E.M.

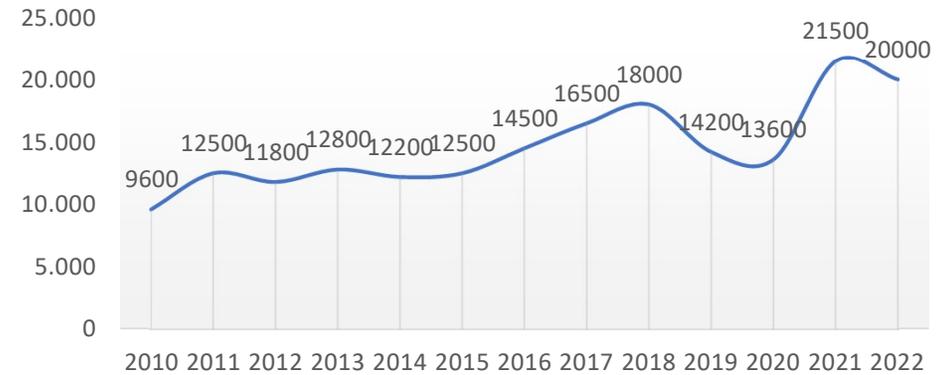
Fabbricazione Articoli Casalinghi E Metallurgici

Manufacture of Household and Metallurgical Items

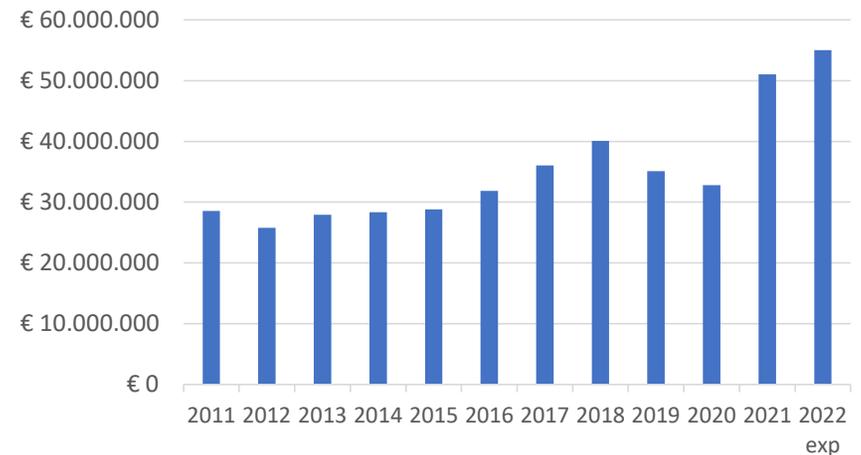
- Family business since 1938. 80 years of experience.
- Steel Forging and Food Tech divisions
- 3 plants, 160 employees
- Strategy of flexibility and diversification
- 50% turnover in export



FORGED STEEL



TURNOVER



WEIGHTS

0,1Kg
at 25kg

DIMENSIONS

230mm
Øext max

BATCHES

500-
100k

ANNUAL QUANTITIES

Up to
1M

GEARS / SYNCHRO HUBS / SYNCHRO RINGS /
PULLEYS / BEVEL GEARS/ SHAFTS / WHEEL HUBS /
VALVES / BRAKES / NUTS / DIFFERENTIAL GEARS /
CLUTCH DRUMS / SATELLITES AND PLANETARIES



- CARBON STEELS
- MICROALLOYED STEELS
- STAINLESS STEELS
- CASE-HARDENING STEELS
- HARDENING AND TEMPERING STEELS
- BEARING STEELS
- NITRIDING STEELS





**11 FORGING LINES,
FROM 500 TO 2500 TONS**



**100% CHECK AND RECORD OF
FORGING TEMPERATURES**



**2 PRODUCTION
PLANTS**



**FOCUS ON FLEXIBILITY: QUICK SETUP
TIMES TO REDUCE COSTS**



**100% INDUCTION
OVENS**



**FOCUS ON TECHNOLOGY: ONLY
MECHANICAL PRESSES, FOR THE BEST
KNOW-HOW ON EVERY OCCASION**



MANUAL

All operations performed by skilled workers for a maximum level of flexibility. Adaptable to any design, even with small batches.



SEMI-ROBOTIZED

Where possible, simple and repetitive operations are performed by robots to reduce costs on small and medium series.



AUTOMATED

All operations are performed by anthropomorphic robots, effortlessly.



TRANSFER

The highest production rates, for the largest series.



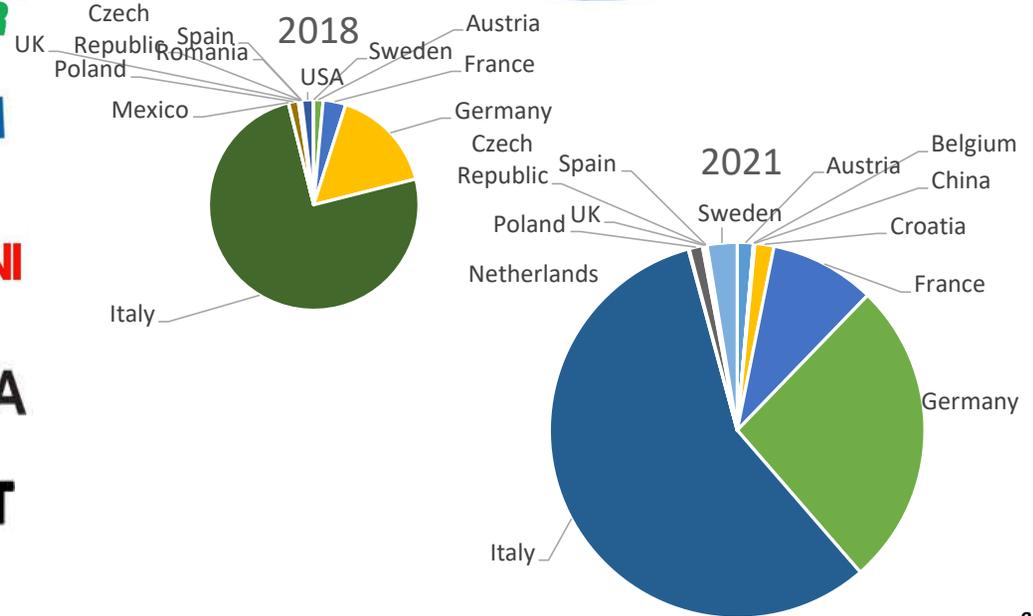
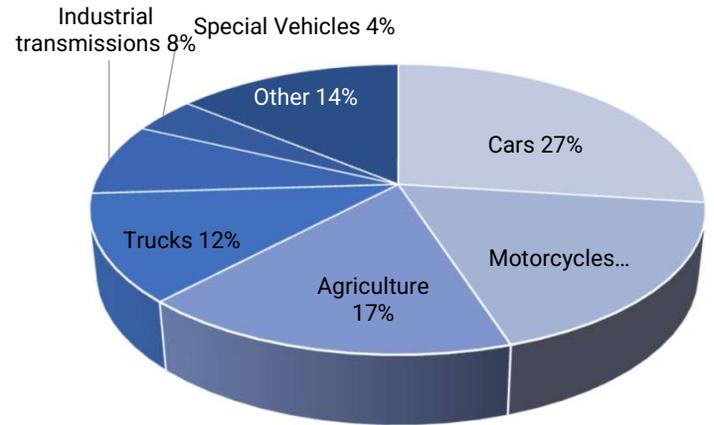


● Forged part

● Finished part

- Steel at 1200°C becomes easy to deform
- Shape as close as possible to the expected finished component
- Mechanical characteristics better than casting







HEAT TREATMENT IN-HOUSE

Internal heat treatment oven, for normalization and annealing.

Optimization of logistics, guaranteeing faster delivery times than the industry average.



COLD CALIBRATION IN-HOUSE

Two cold calibration presses for functional surfaces finished by forging.



MARKING IN-HOUSE

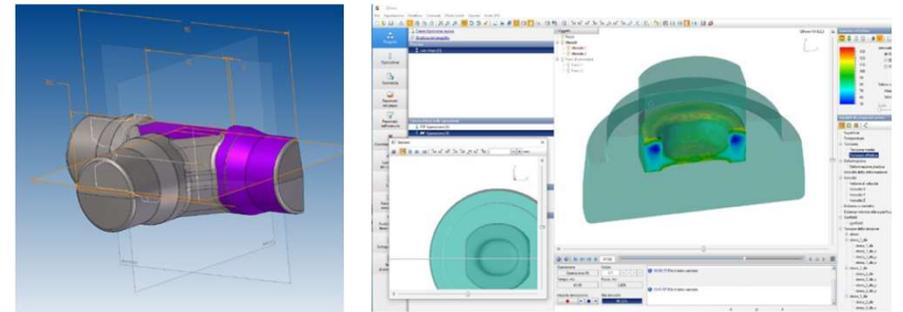
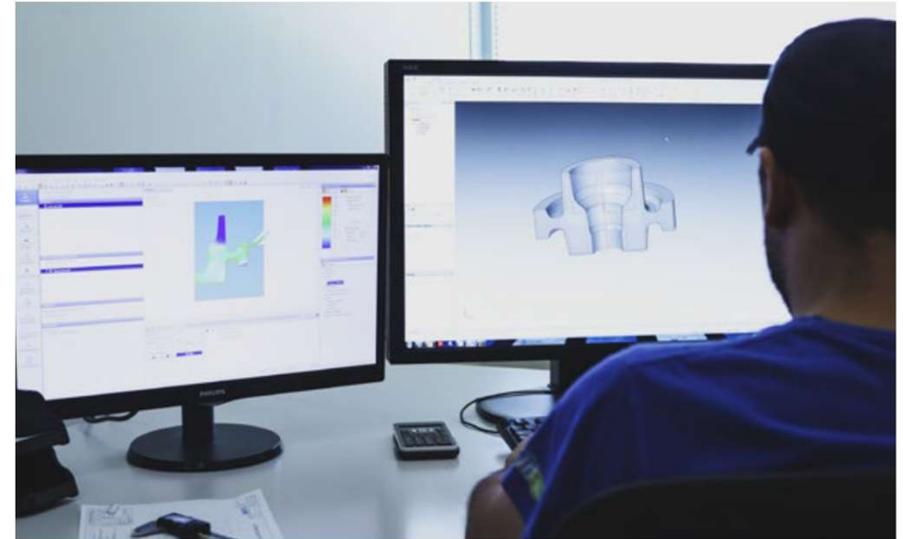
Where marking is not feasible by forging, we offer a dot peen marking service.



MACHINING AND SURFACE TREATMENTS EXTERNAL

We offer a broad spectrum of additional services to satisfy the increasing demand of machined and surface treated components through an extended network of suppliers, taking charge of the entire process, ensuring the quality of all the different phases.

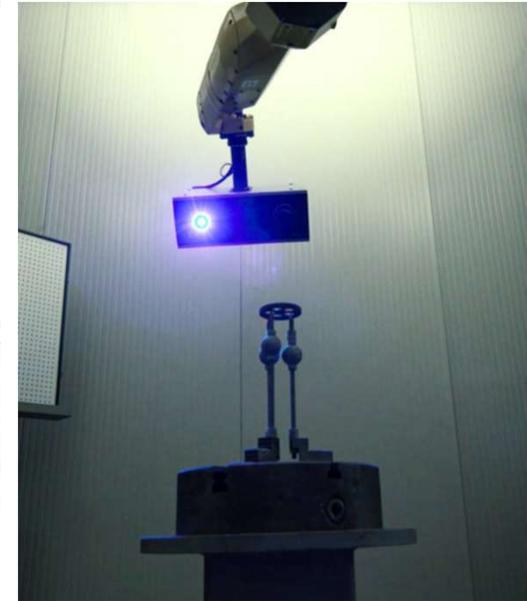
- Feasibility study with 3D simulations and preliminary study of critical issues
- Process FMEA
- Tooling optimization through component stress analysis
- Complete design of dies and tooling and process compatibility analysis



- 2 .000+ ready-to-use dies for short reaction times
- Internal CNC turning, milling, EDM, grinding and welding capabilities
- Assembly and check of each component



- 100% raw material anti-mix inspection with spectrometer
- 100% check and recording of heating temperatures
- 100% visual inspections
- 3D blue light scanner and CMMs
- Magnetic particle inspections
- IATF 16949 / ISO 9001
- ISO 14001 / ISO 45001





2023 - MPI

- Compliant with GE req.



2022 - Braidacroce plant

- 4000 sqm covered area
- potential for other 4000 m2
- new logistics site
- operational since Apr. 2023



2022 – Calibration press

- Hydraulic
- 1000 tons
- Automatic charging

2023 – In-house automatic heat treatment plant

16 single-chamber ovens for top quality on each heat treatment need:

- QT (Hardening in oil and tempering),
- isothermal annealing,
- spheroidization annealing,
- subcritical annealing,
- normalizing

Global capacity : 21000 tons /year
 Lead time : 1 week



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