



**THE FUTURE
IS NOW**


CAPITANI
MINUTERIE METALLICHE

Our small parts travel alongside thousands of people, on high-speed trains, travelling over land and roads at all latitudes, and entering homes all over the world, with every type of electrical appliance. Often they are hidden or so small that they go unnoticed, but nonetheless, they need to be perfect.

At Capitani Minuterie Metalliche, we strive every day to support the work of our customers, with small turned metal parts of the highest quality. We do this with the strength of fifty years in the business, and continuing to look to the challenges of the future.

THE FUTURE IS NOW

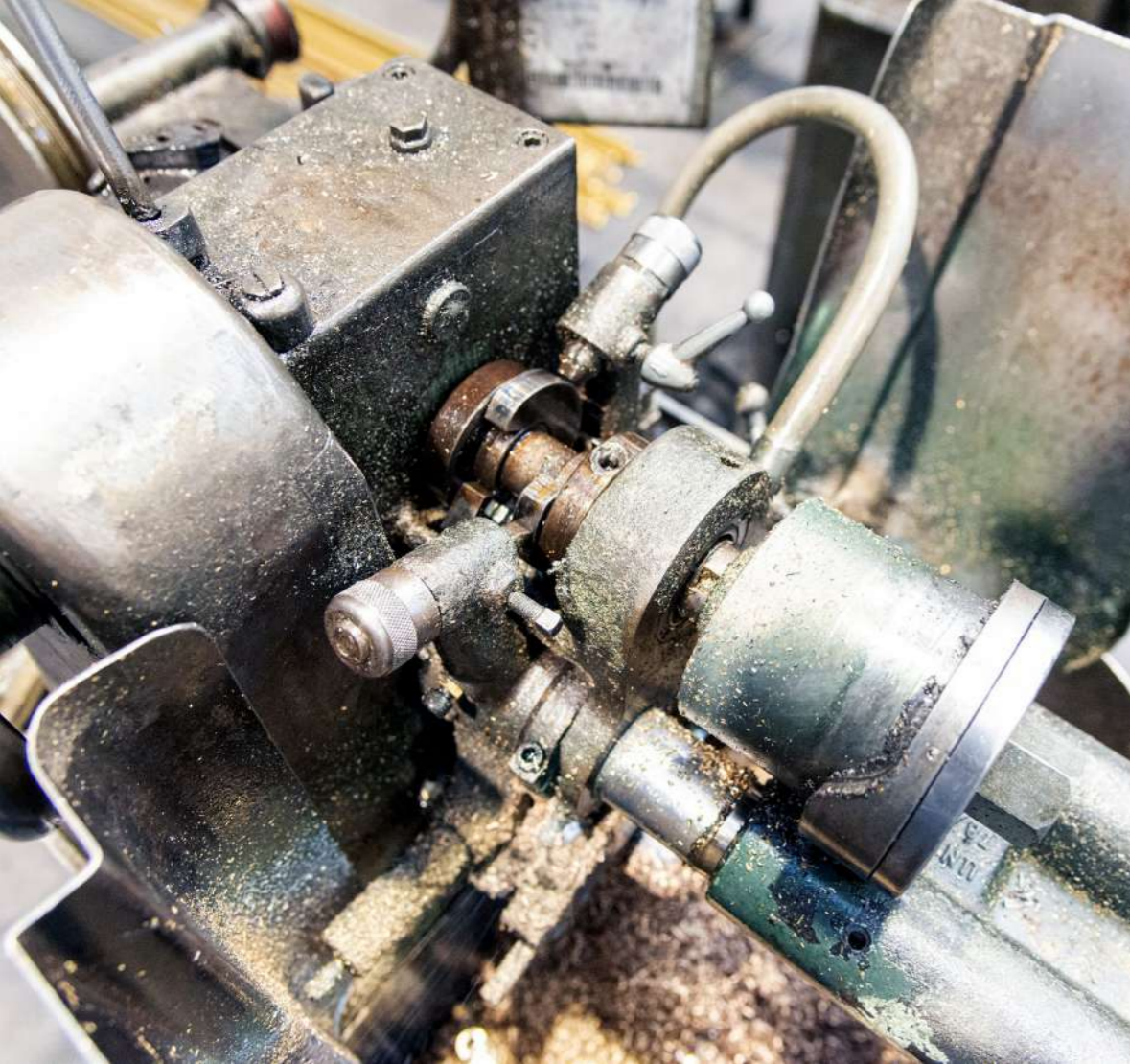




25,000 small turned metal parts every day,
a customer base of more than 200 companies
and an increasingly specialised work team:

CAPITANI MINUTERIE METALLICHE
IS A MARCHE-BASED COMPANY THAT
CONTINUES TO EVOLVE.

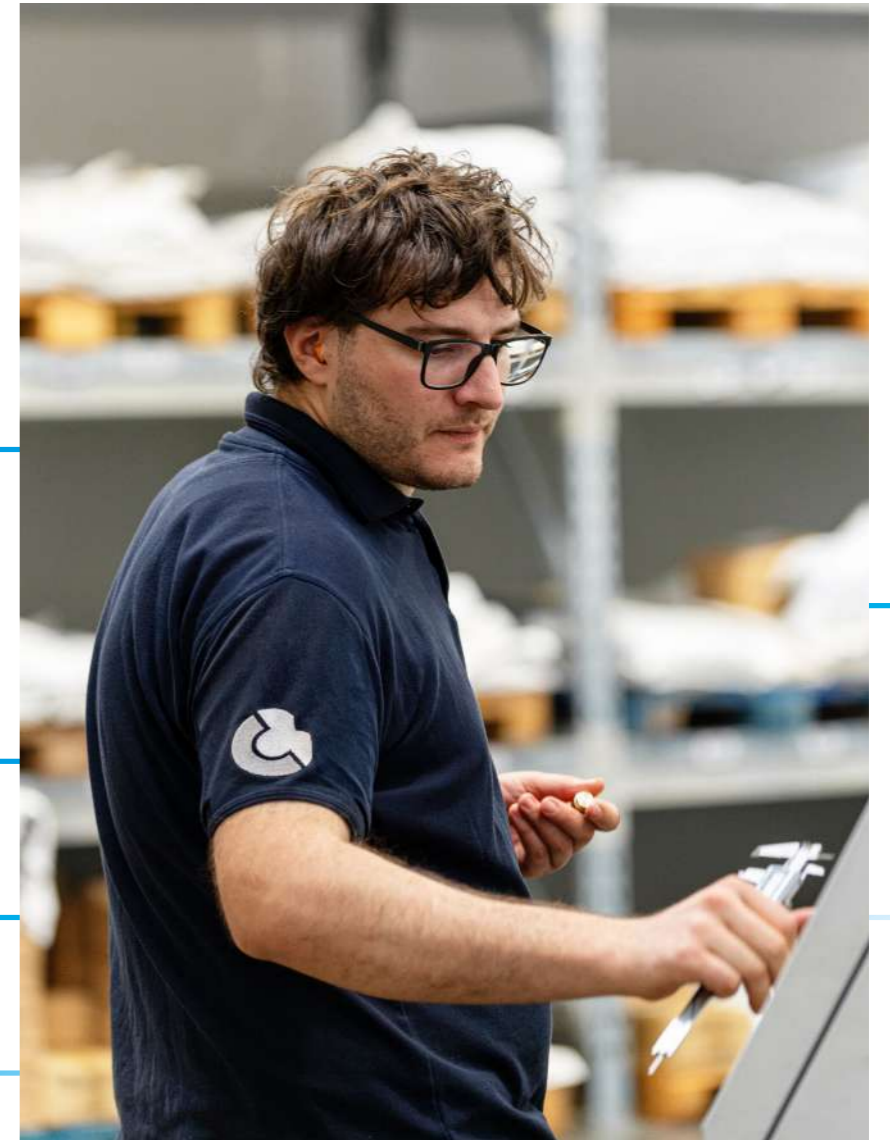




The story of Capitani is similar to that of many businesses in the Marche region: born of the initiative of founder, Eraclio, who set up in his garage, with just two lathes and a threading machine.

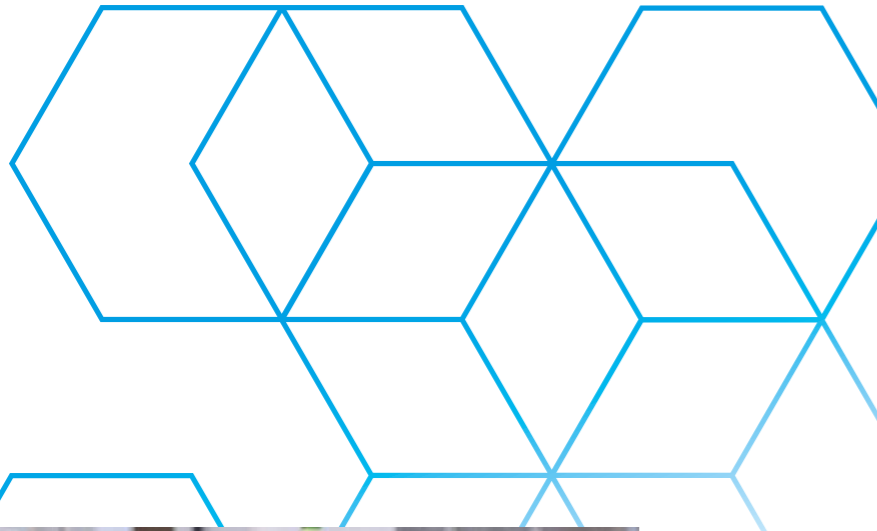
From 1969 to the present day, the many challenges we have been able to meet have turned what was once a small business into an industry with high technological value, twenty-eight collaborators, and a production plant of over 6,000 m².






With the arrival of a new generation, today Capitani is a modern business that never stops challenging itself: with us, tools, methods and production processes are always examined with a critical eye and the aim of improving our work environment along with the quality of the products we supply to our customers.

Our push towards technological innovation is one aspect that gets its momentum from company governance and successfully involves all of the departments, thanks also to our young collaborators, half of whom are aged between 20 and 35 years.





From the nut to precision-turned small parts:
different levels of complexity to which we dedicate
the same attention.

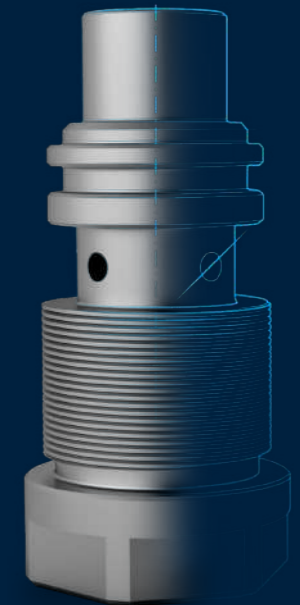
BEHIND EVERY ONE OF OUR
PRODUCTS IS A PROFOUND
KNOWLEDGE OF RAW MATERIALS
AND PRODUCTION PROCESSES.



PROD
UCT



We manufacture turned small metal parts to drawings, specific customer orders, and more besides. Thanks to our in-depth knowledge of materials and production processes, our technical division can work alongside that of our customers, providing support in solving any design or production problem.



TREATMENTS

Working with external companies allows us to supply products, complete with surface finishes on request:

- ▶ Galvanizing
- ▶ Nickel plating
- ▶ Nickel galvanizing
- ▶ Bluing
- ▶ Copper plating
- ▶ Geomet®
- ▶ Annealing
- ▶ Cementation
- ▶ Nitriding
- ▶ Tempering





PRODUCTIVITY

Figures from 2023

56.000.000

small metal parts

2.200+

shipments

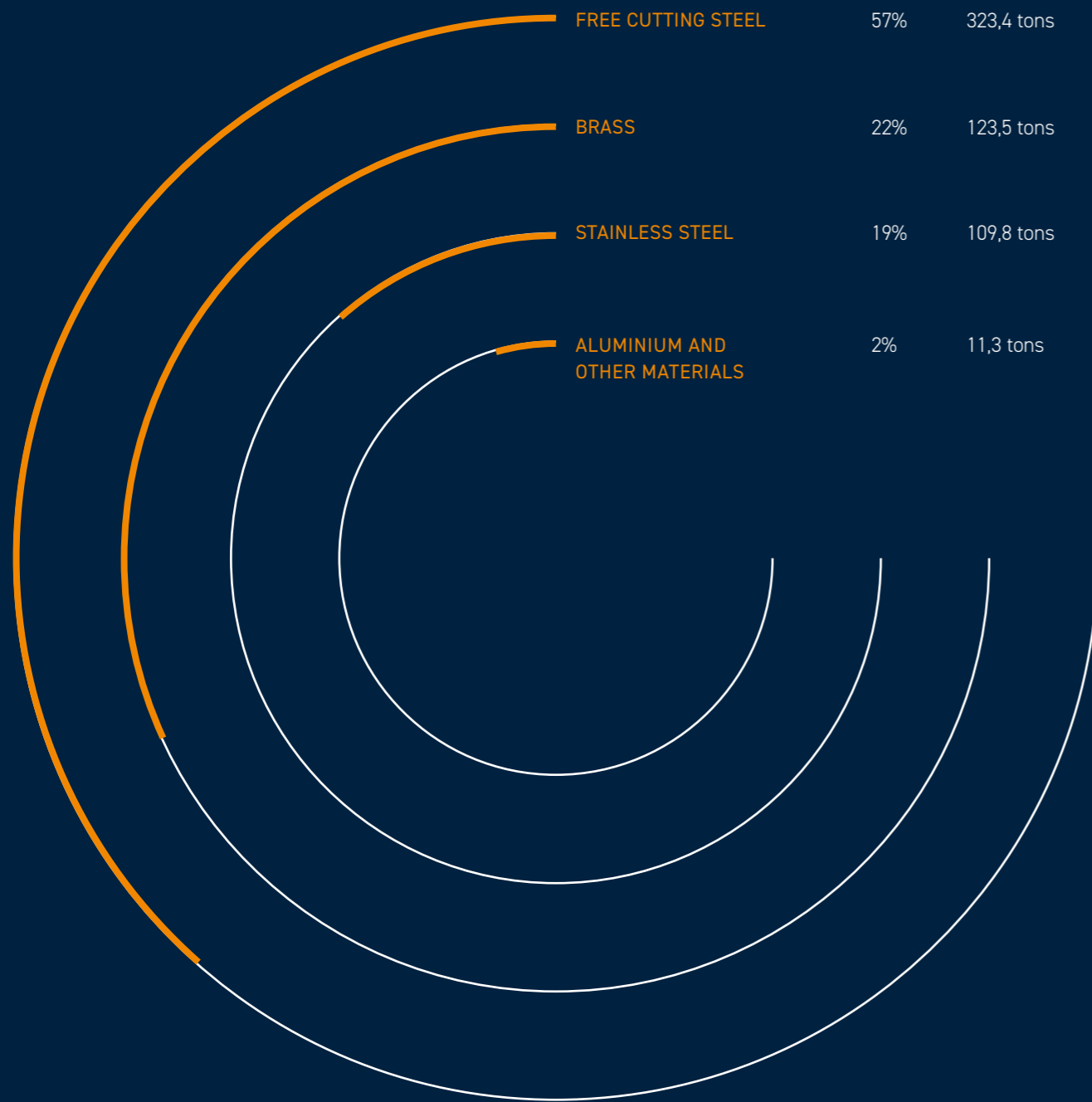
REFERENCE SECTORS

- Railway industry
- Automotive
- Electronics
- Plumbing and heating
- Electrical
- Hydraulic
- Agriculture machinery
- Lighting industry



RAW MATERIALS USAGE

TOTAL RAW MATERIAL USAGE IN 2023: 568,1 tons
OF WHICH:



FREE CUTTING STEEL NOT DESTINED FOR HEAT TREATMENT

	Europe	N°	
11SMn30	11SMn30	1.0715	▲
Led 108	11SMnPb30	1.0718	▲
AVZ	11SMn37	1.0736	▲
AVP - PS113	11SMnPb37	1.0737	▲
Telby	11SMnPb30+Te+Bi	1.0718	▲
Telby Plus	11SMnPb37+Te+Bi	1.0737	▲
FE37 - RE37	S235JRG2C	1.0038 - 1.0122	▲
FE52 - RE52	S355J2G3C	1.0570 - 1.0569	▲

FREE CUTTING STEEL FOR TEMPERING

	Europe	N°	
PR80 - SAE1137 Pb	36SMnPb14	1.0765	▲
C40 - KV45	C45E	1.1730 - 1.1191	▲
USIMAX	38SMn28	1.0760	▲
RB2Pb	39NiCrMo3 Pb	-	▲
RK3	100Cr6	-	▲

FREE CUTTING STEEL FOR CEMENTATION

	Europa	N°	
RN2Pb	16NiCrS4 Pb	1.5715	▲
20MNCRS5	20MnCrS5	1.7149	▲
RC2	18NiCrMo5	1.6566	▲

MARTENSITIC STAINLESS STEEL


	Europe	N°	
430F	X14CrMoS17	1.4104	▲

AUSTENITIC STAINLESS STEEL

	Europe	N°	
303 PLUS	X8CrNiS18-9	1.4305	▲
304L	X2CrNi18-9	1.4307	▲
316L	X2CrNiMo17-12	1.4404	▲

OTHER MATERIALS

	Europe	N°
BRASS	CuZn39Pb3	CW 614 N
POM	DELFIN	
ALUMINIUM	Lega 2011	
ALUMINIUM	Lega 6082 Anticorodal	



37 CNC machines, all interconnected,
together with 47 automatic lathes:

IN OUR MANUFACTURING DIVISION,
PAST AND FUTURE TRAVEL
TOGETHER ON PARALLEL LINES.

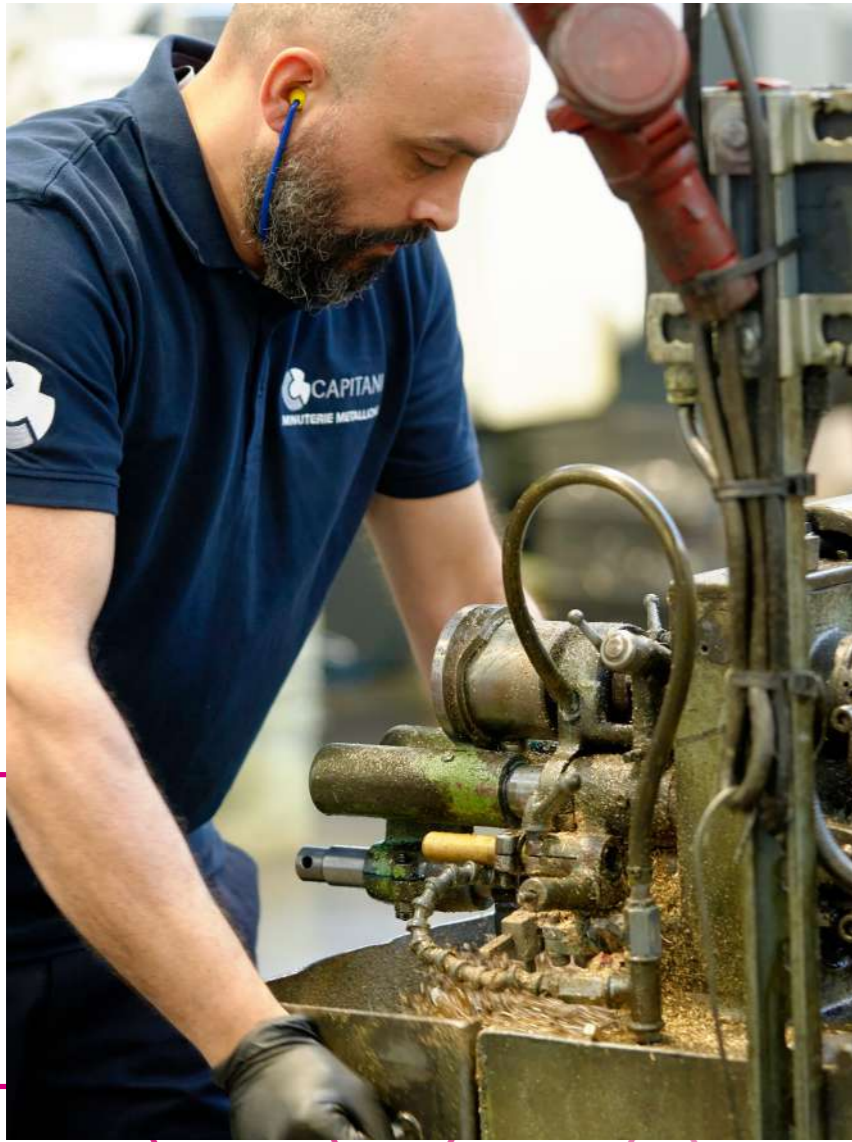


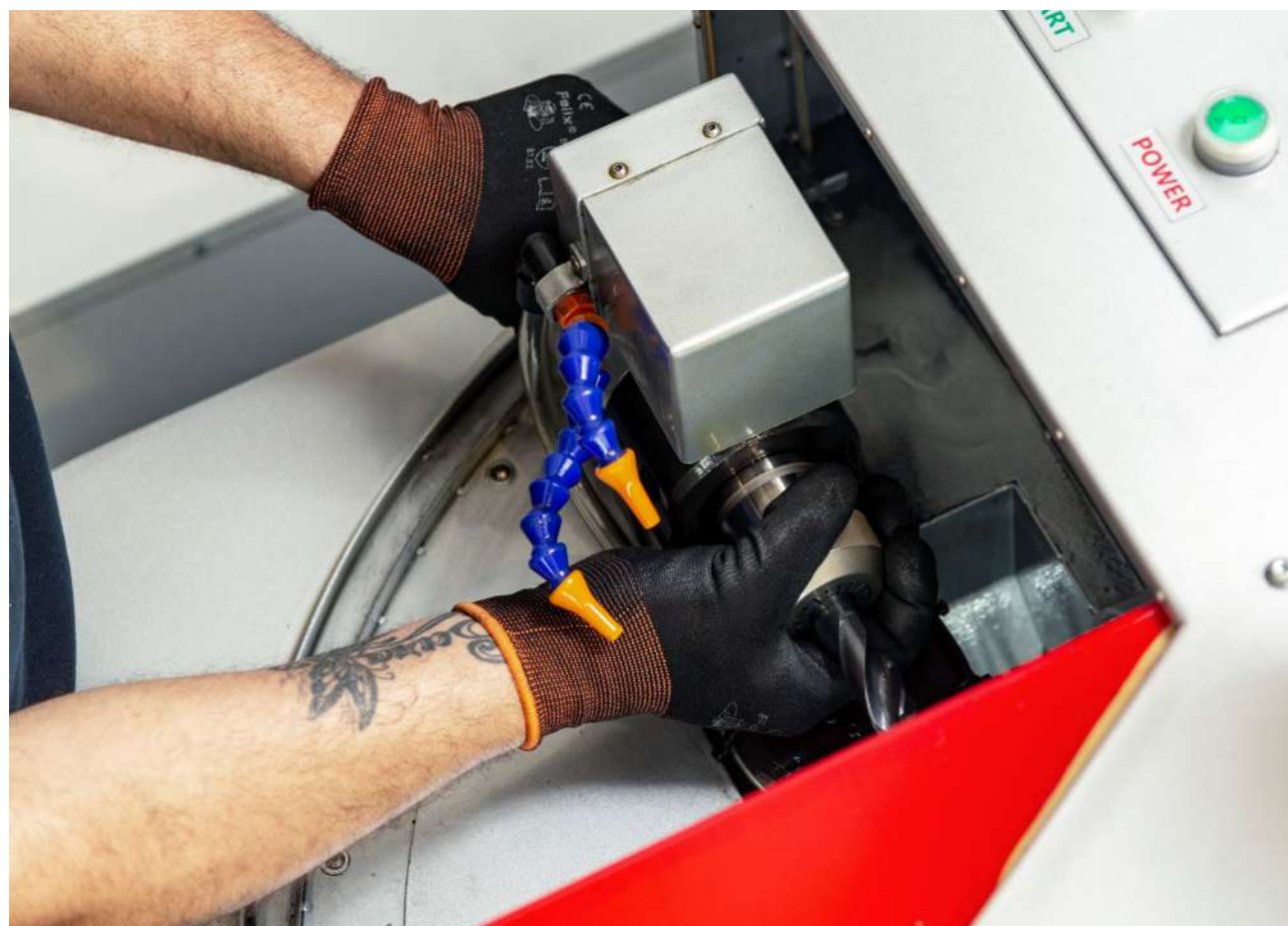
TECH NOLOGIES



In our company, automation, connectivity and remote control are the cornerstones of a production process that strives for increasing efficiency in terms of time, finished product quality, and quality of the work environment. Thanks to interconnection and the use of specific software, we are able to keep every single stage of the work flow under control, which allows us to make accurate forecasts on the progress of job orders.

Technological transformation, however, has not meant that we have put our old manufacturing division to one side: we still operate a line of automatic lathes, and we use these for specific production purposes, for orders ranging from a few thousand to tens of thousands of pieces, helping us to provide a timely response to even the most urgent requests.





Planning and monitoring work flows are a part of our strategy when it comes to boosting productivity and guaranteeing respect for commitments made to our customers.

The same strategy also includes investments in machinery to support production, such as our automatic magazine to handle raw materials, an automatic storage cabinet that tracks the use of tools, and the two four-axis tool grinders to shape bits as per drawings: tools that reduce unforeseen eventualities and allow us to gain precious time.




OUR CONSTANTLY CHANGING MACHINE STOCK

N.	Name	Type	∅ max
1	DMG MSL 42-7	CNC FIXED HEAD TURNING LATHE	42
1	CITIZEN K16E-VII	FANTINA CNC LATHE	16
1	MIYANO BNA-42MSY	CNC FIXED HEAD TURNING LATHE	42
1	MIYANO BNA-42DHY3	CNC FIXED HEAD TURNING LATHE	42
1	CITIZEN L12-VII	FANTINA CNC LATHE	12
5	CITIZEN L32-VIII L32-1M8	FANTINA CNC LATHE WITH HIGH PRESSURE	32
7	CITIZEN L20E-2M10	FANTINA CNC LATHE	20
2	CITIZEN L20E-2M10	FANTINA CNC LATHE WITH HIGH PRESSURE	20
8	CITIZEN A20	FANTINA CNC LATHE	20
2	CITIZEN A20	FANTINA CNC LATHE WITH HIGH PRESSURE	20
4	ITS TCN	CNC FIXED HEAD TURNING LATHE	32
1	CMZ-TTL-52	CNC FIXED HEAD TURNING LATHE	52
2	CMZ TA-20-YS-640	CNC FIXED HEAD TURNING LATHE	65
1	CMZ-TTL-66	CNC FIXED HEAD TURNING LATHE	65

N.	Name	Type	∅ max.
3	056 - UNAMUNO TA25	CAM-DRIVEN LATHE	25
4	072 - UNAMUNO TA26 PREMIUM	CAM-DRIVEN LATHE	26
1	106 - IRALAG TA45	CAM-DRIVEN LATHE	45
4	107 - ITS TCA 26	CAM-DRIVEN LATHE	26
7	109 - UNAMUNO TA16C	CAM-DRIVEN LATHE	16
2	120 - FEINLER TA10	CAM-DRIVEN LATHE	10
26	122 - FEINLER TA15	CAM-DRIVEN LATHE	15
10	PUNCH MACHINES		
30	THREADING MACHINES		

N.	Name	Type
1	IFP KP 100 HMA	AUTOMATIC VACUUM WASHING MACHINE
1	IFP KP 100 HMA CON PROTETTIVO	AUTOMATIC VACUUM WASHING MACHINE
1	CONTOUR 305 HOMMEL	OPTICAL MEASUREMENT MACHINE
1	DIMAC MCV5	OPTICAL SELECTION SYSTEM
1	DATAGEST-DGSORT/W	OPTICAL SELECTION SYSTEM
1	BOWMAN	X-RAY INSTRUMENT FOR THICKNESS ANALYSIS
1	CUOGHI - MAC26	FOUR-AXIS TOOL GRINDER FOR HSS
1	CUOGHI - MAC26	FOUR-AXIS TOOL GRINDER FOR HARD METAL (WITH INDUSTRY 4.0)
1	AUTOMATOR NANO VISII	LASER MARKING MACHINE - CLASS 4



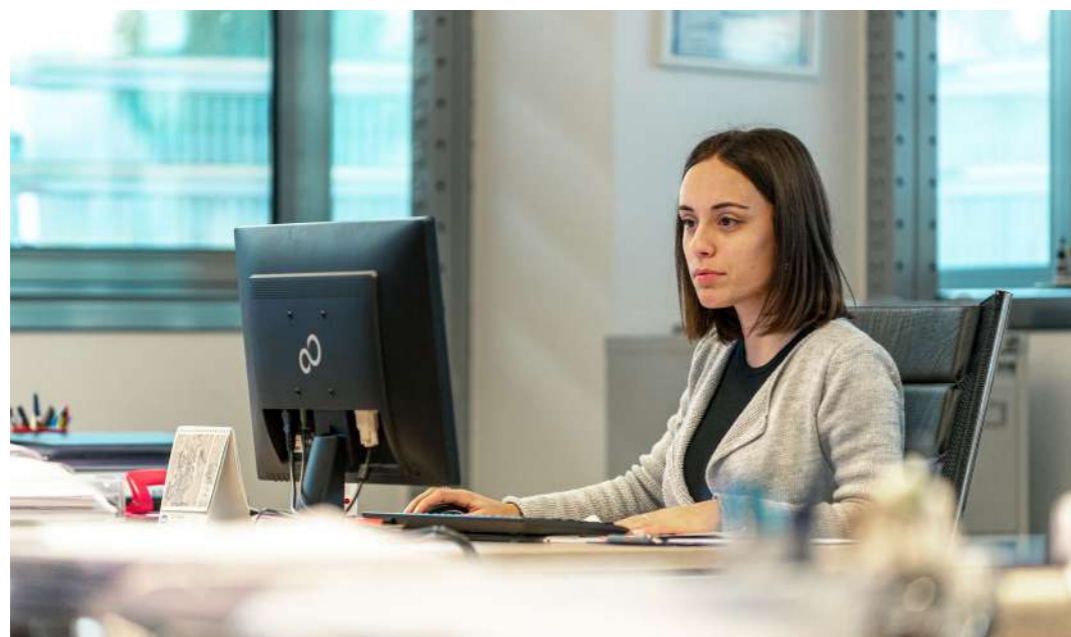
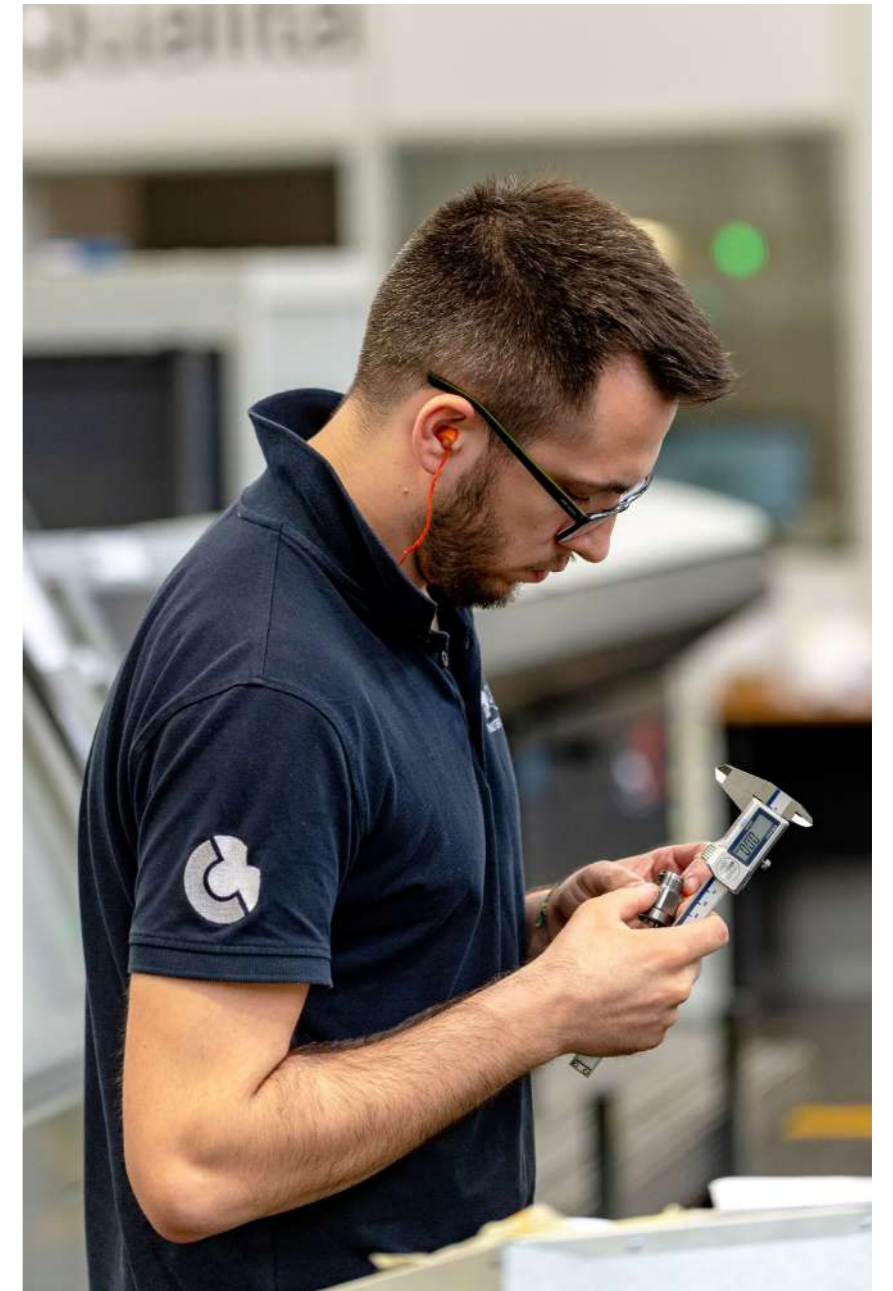


1,200 quintals of raw materials available in stock
and 900 stored codes, ready for shipping:

AT CAPITANI WE KNOW
OUR CUSTOMERS' NEEDS WELL.



PRO CESS



Over the years we have become familiar with the dynamics of our market and we know all too well that it is often necessary to satisfy requests within a very short time frame.

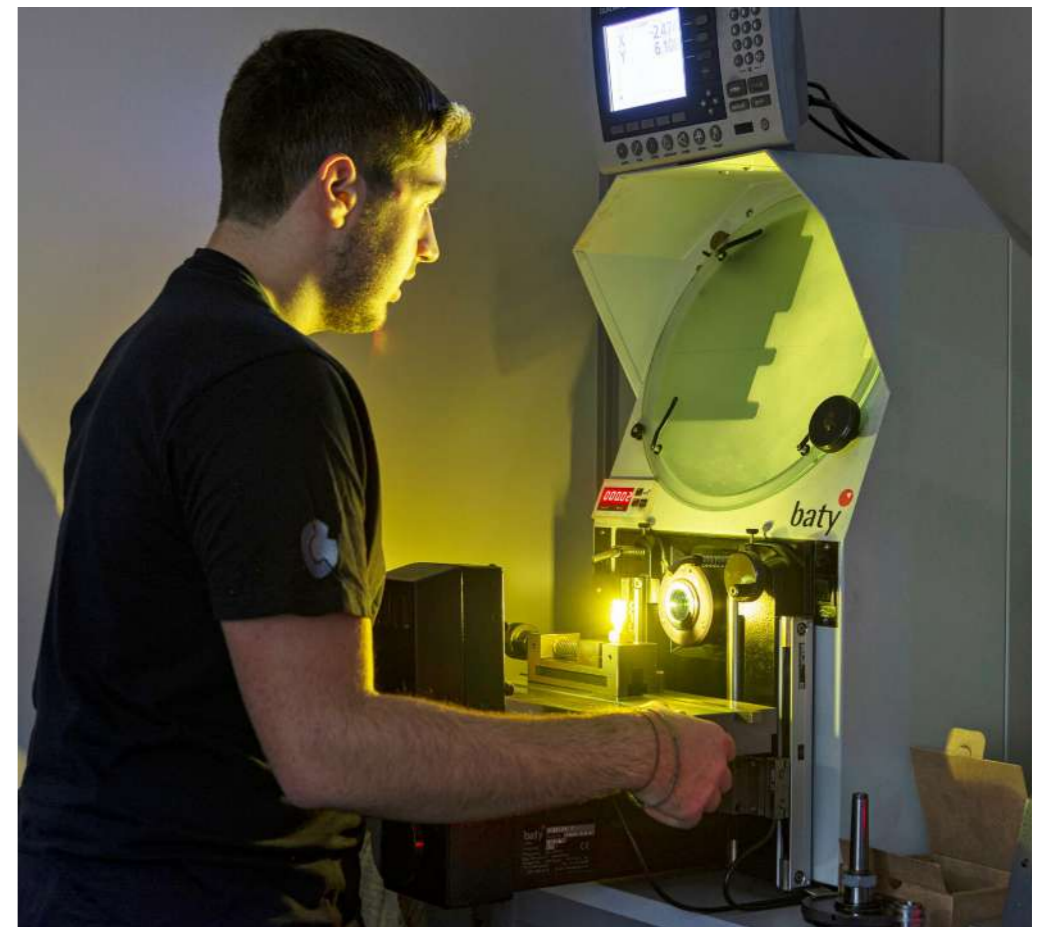
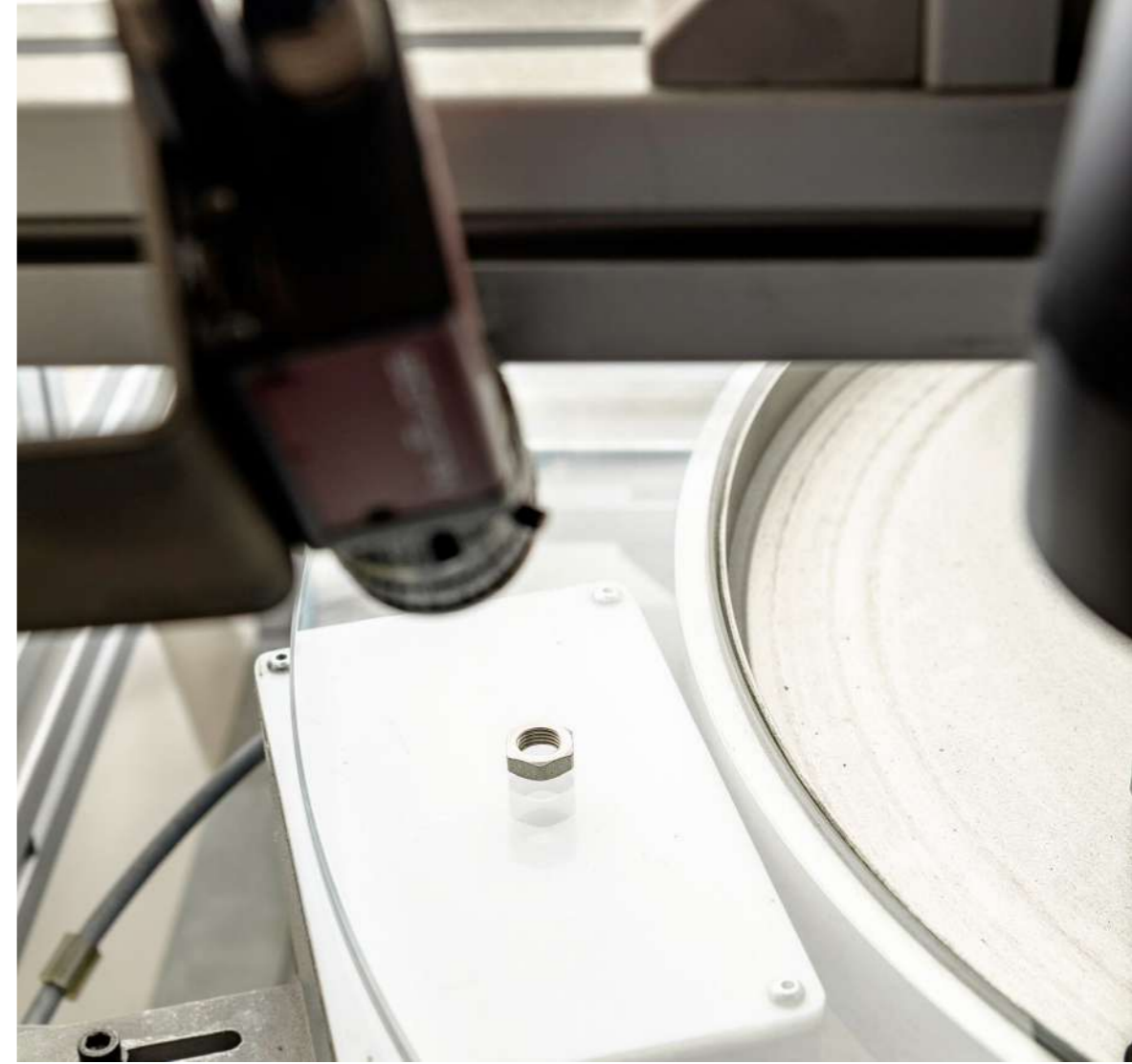
Our in-house organisation, together with the technologies we use mean we can monitor work flows and always have the necessary raw materials available, together with small amounts of small metal parts ready and in stock. This way we can anticipate customer needs and help them to solve their problems.




To meet quality standard requirements, we have developed a process that begins with the completion of a basic work list to pair every batch of raw materials with each job, and also guarantees complete traceability. All raw materials arrive certified and, once inside the company, they are checked and identified before they can become part of the production cycle: bars – of brass, steel, aluminium and plastics – are marked with a colour and paired with an internal “identity document” that will follow each job through to delivery of the finished product.



We have also put in place thorough machine-board and end-of-cycle inspection processes, using ultra-precision machinery. Our measuring tools are coded, serviced and certified every year, to ensure the conformity of our small metal parts with the utmost precision. This is how we give form to our promise of quality.





Creating faith, establishing lasting relationships,
and creating value in an area, while respecting
the environment:

THESE ARE NOT AIMS TO BE
ACHIEVED, BUT OUR LASTING
VALUES.



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CAPITANI
MINUTERIE METALLICHE

CAPITANI
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Since we have been in business, we have always placed importance on relationships and people, and we are not just talking about our customers, but also - and maybe, above all - our collaborators: our collaborators of longer standing and more experience, and our younger ones, bursting with energy, are the true driving force of Capitani.

All of them are part of the company's growth process, bringing their personality, aptitude and expertise to the table, all with a constructive spirit. Growing as a group means focusing on training, involving every member of the team, meaning we have decided to concentrate on operating efficiency, on the use of new instruments, and on safety.

Collaboration, a sense of belonging and shared experience are what stimulates us to continue to improve, and what makes us go into work every day, with a smile.





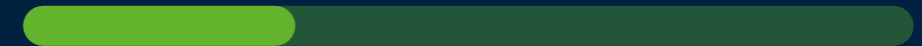
We also feel responsible for the environmental impact of what we do, and for some time we have chosen to work towards making it more sustainable. Using solar panels, we produce around 30% of our electricity needs, with an average saving of approximately 40,000 kg of CO² every year.

The vacuum washing machine, as well as reducing operator workload, has allowed us to limit our use of chemicals to just a few litres a year, as well as to lower our power consumption to 50% of that of a traditional washing machine. Our modern de-oiling system means we can recover some 10,000 litres of oil every year, as well as converting shavings into precious raw materials, cutting down our production of harmful pollutant waste to zero.



OUR COMMITMENT TO THE ENVIRONMENT

30%



self-produced energy
in relation to total requirements

lowering carbon emissions
by 362,129.53 kg since 2017, thanks
to our 100 kWp photovoltaic system

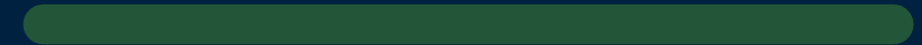
100%



raw materials
recovered

all machining waste
in the form of shavings,
is recovered and recycled

0%



special waste

no liquid waste, no solvent
residues on products or in
the environment

Systems used

590 M² SOLAR PANELS

VACUUM WASHING MACHINE

DE-OILING SYSTEM AND CENTRIFUGE FOR SHAVINGS

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Legality Rating | ★ ★

AGCM Autorità Garante
della Concorrenza e del Mercato



Company with ISO 9001 certified
quality system

