



ZANNINI

2024

COMPANY PROFILE

1960/1980



The beginning of a story, a project set to grow

Castelfidardo, May 15th 1963, Giovanni and Fausto Zannini founded "Zannini", a company producing turned metal components for accordions. In the 70s CE.RI was added, a second company with a focus on microelectronics.

1990/2000



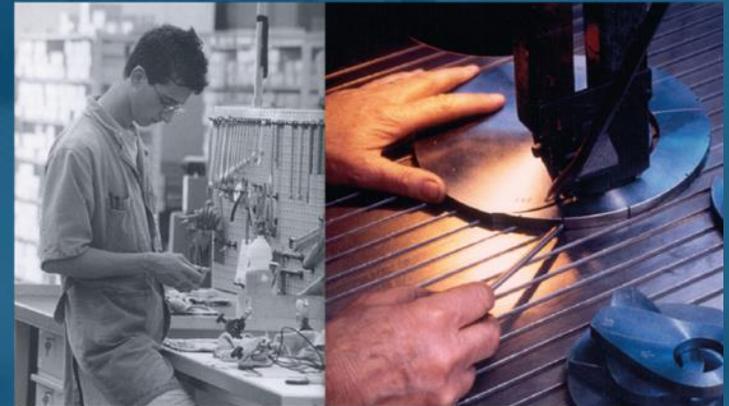
New plant, the first certifications

The new plant was inaugurated, and the quality department was established. Significant certifications were acquired, highlighting the company in the European market. During these years, 50 percent of Foglia S.r.l was also acquired.

1980/1990

Merger and exponential growth

Zannini and CE.RI. merged to form Zannini S.p.A., a leader in the automotive and locking systems sector.



2000/2010



Conquering international markets

"Zannini Poland" was founded and the new advanced R&D department was launched. An internationalisation process that involved the entire team in constant travel and updates.

2020/Today



Technological development

These are the years of the great growth of Zannini Poland thanks to investments of approximately 6.5 ml euros and an expansion of the plant to 6,500 sqm. At the same time, we are witnessing strong innovative development and the subsequent founding of Z4Tec, a spin-off of the group with a focus on 360-degree industrial automation.

2010/2020

Zannini becomes an international group

The company acquired shares in several companies, including "Meccanica Veneta". The production capacity in Poland was doubled and the new hydraulics division was strengthened by 30%.



Our Mission

To be a reference company in the European market, every day.

How?

- ✓ By paying utmost attention to the customer to achieve top-level efficiency in service and cost per unit of product
- ✓ By giving value and selecting highly qualified human resources
- ✓ By making investments in a highly innovative machinery fleet
- ✓ By paying continuous attention to leadership in quality control processes
- ✓ By constantly improving our technological capacity
- ✓ By achieving full stakeholders satisfaction



Zannini Group



Surface: 5.500 Sq.M
Employees: 140
Turnover: 35M€



Surface: 4.500 Sq.M
Employees: 250
Turnover: 25 M€



Surface: 200 Sq.M
Employees: 7
Turnover: 0,8 k€

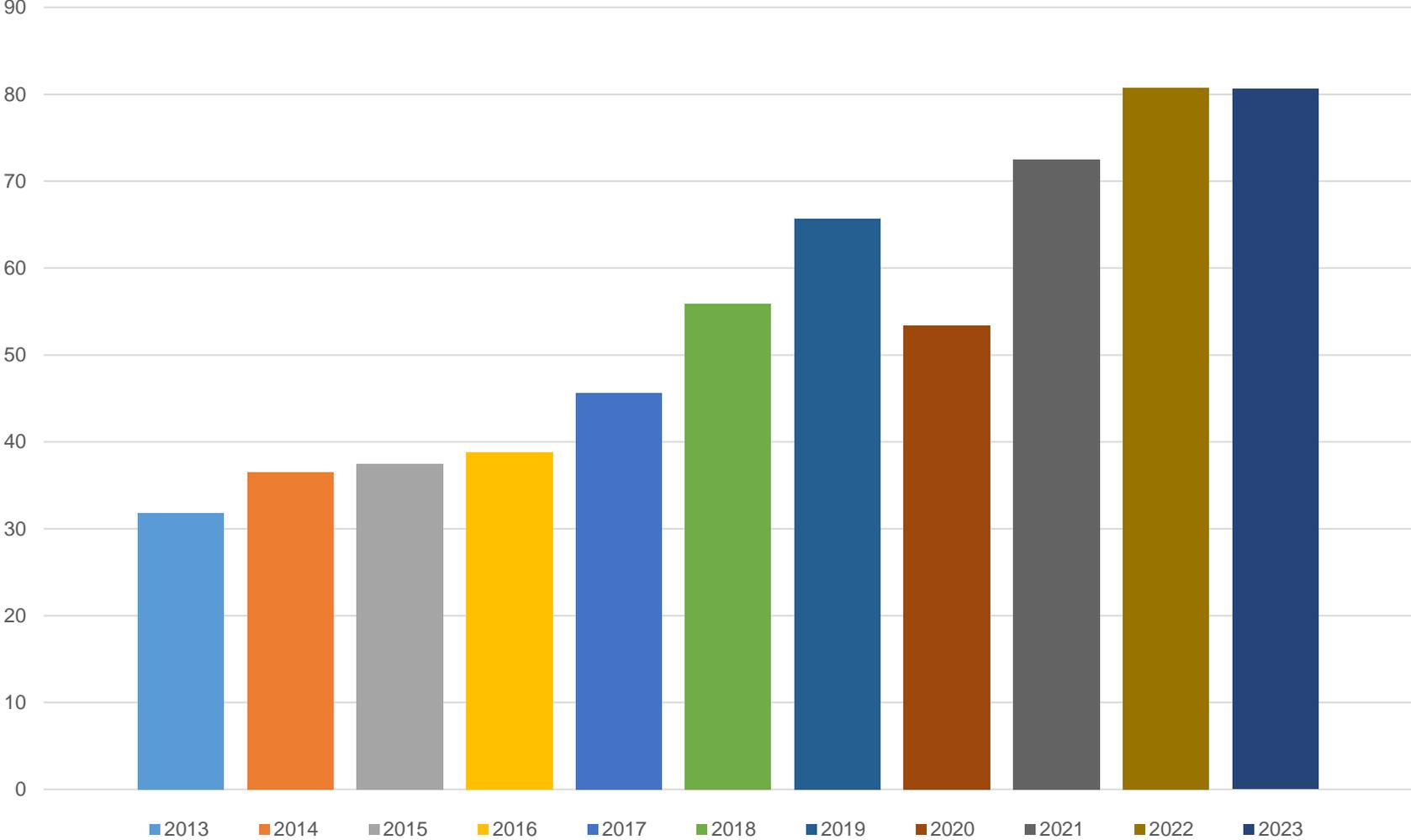


**MECCANICA
VENETA**

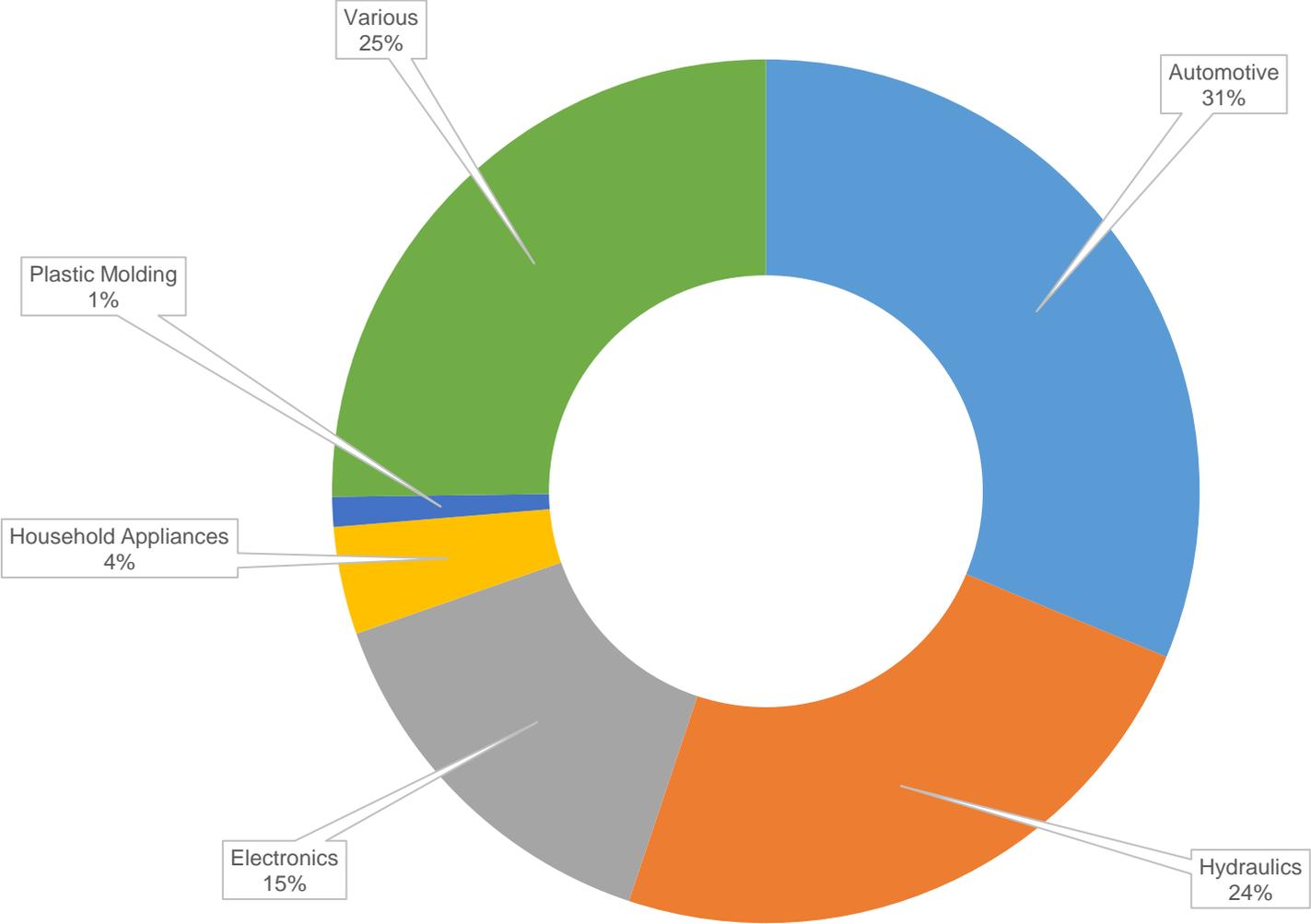
Surface: 3.300 Sq.M
Employees: 74
Turnover: 18,5 M€



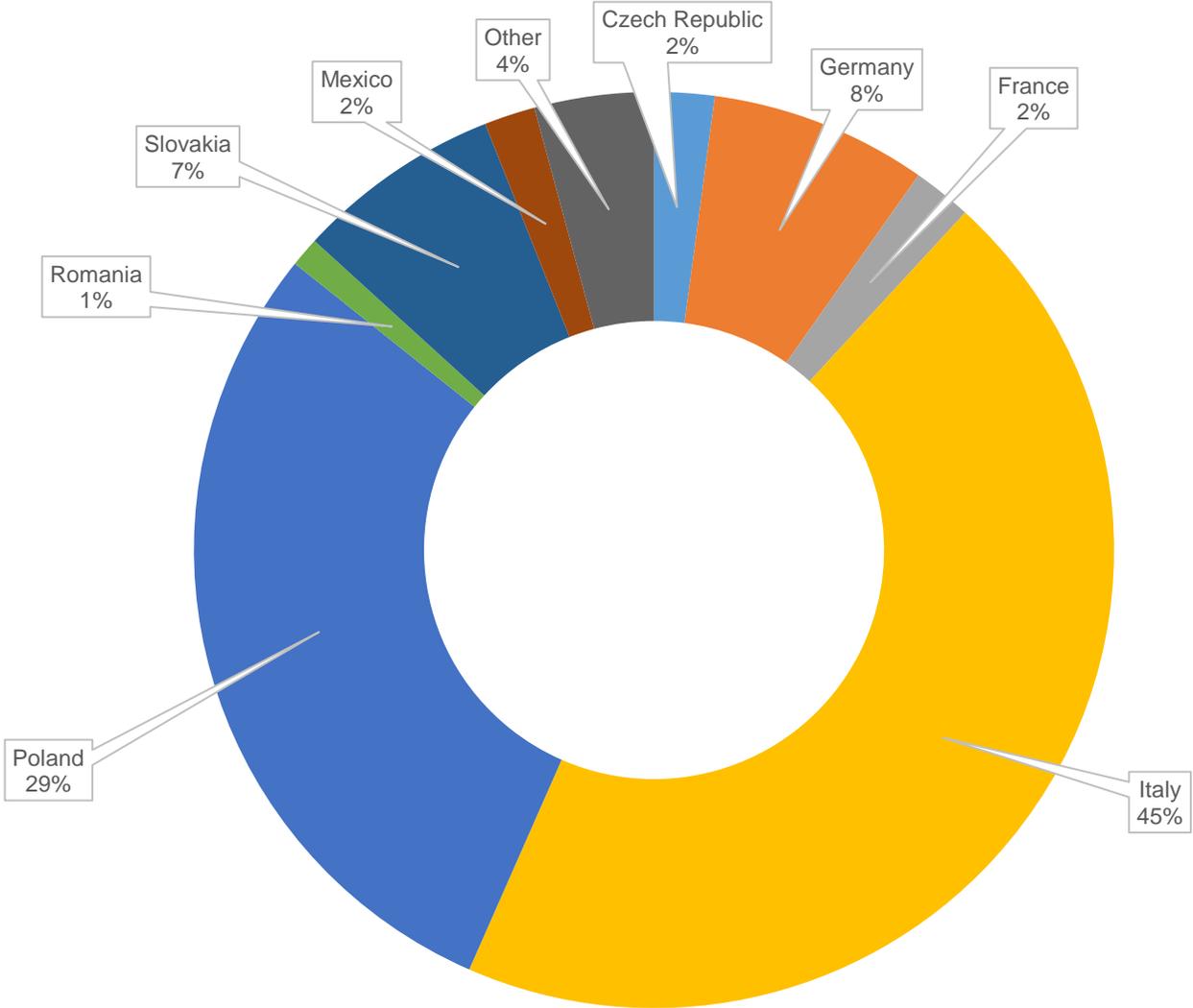
Turnover (mln €)



Sales by industry



Sales by country





PORTFOLIO

Product

Automotive

The Company capabilities includes the production of broad components range such as: conditioning, mechanic transmission sound systems, valve for brakes, suspension system



Valves for hydraulic, oleodynamic applications

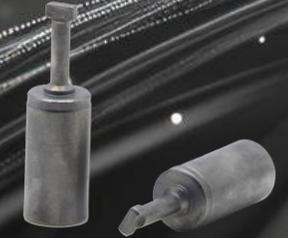
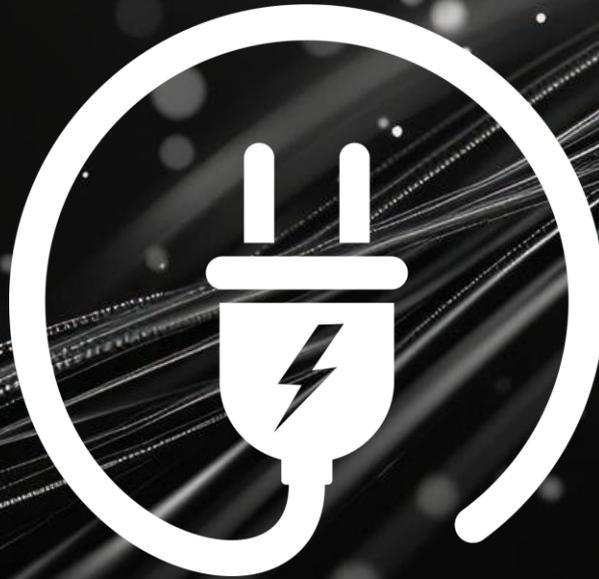
Valves for Hydraulic, Oleodynamic applications.

We have been successfully serving these industrial segments and we are expanding the product using our highly specialized Meccanica Veneta plant. Today we are the first producer of sleeve and spools in Europe for Hydraulic market



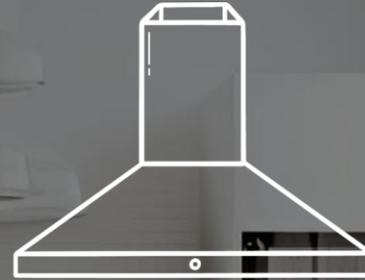
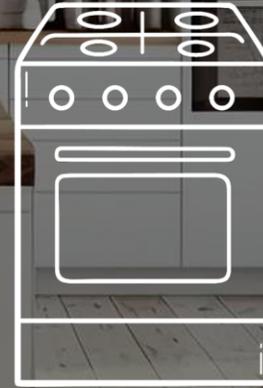
Electronics/electrical switch

We mainly serve the following industry sector: sensors, encoders, linking systems, printed circuit components, electrical switch and other high precision custom electromechanical parts for electronic assembly:



Components for home appliances

We produce shafts, sensor, components used in electronic valves for refrigerators, ovens, air conditioning, heating systems and dishwashers



New Markets Aerospace

Launch Count Down_ Six Months

New Skill /Competences



Searching for New Engineers with Experience in the Aerospace Sector to Boost the project

New materials/Suppliers



Production tests already started to improve our knowledge on their machinability

New Certification



TARGET: JULY 2024





Bi-Material pins for battery cells :
ALL 1050 Welded on a Copper disc
Internal Friction Welding Process



Fitting for battery cells :
Component in ALL 6082



Electrical Contact :
Component in CuZn39Pb3 +
Ni plating min. 3µm



Electrical Contact :
Component in CuZn37Pb2 +
Silver plating min. 3µm

E-Mobility



**Other
Markets**

EV-Connectors



Hydrogen



**Other
Components**



Housing for Hydrogen Valve :
Stainless steel X2CrNiMo 17-12-
2 + AT



Seat for Hydrogen Valve :
Duplex Stainless Steel
X2CrNiMoN22-5-3



Shaft for electric actuator:
Stainless steel X5CrNi18-10



Pin for electric actuator:
Stainless steel X6CrNiMoTi 17-2

Main customers

**BORG
WARNER**



**Schneider
Electric**

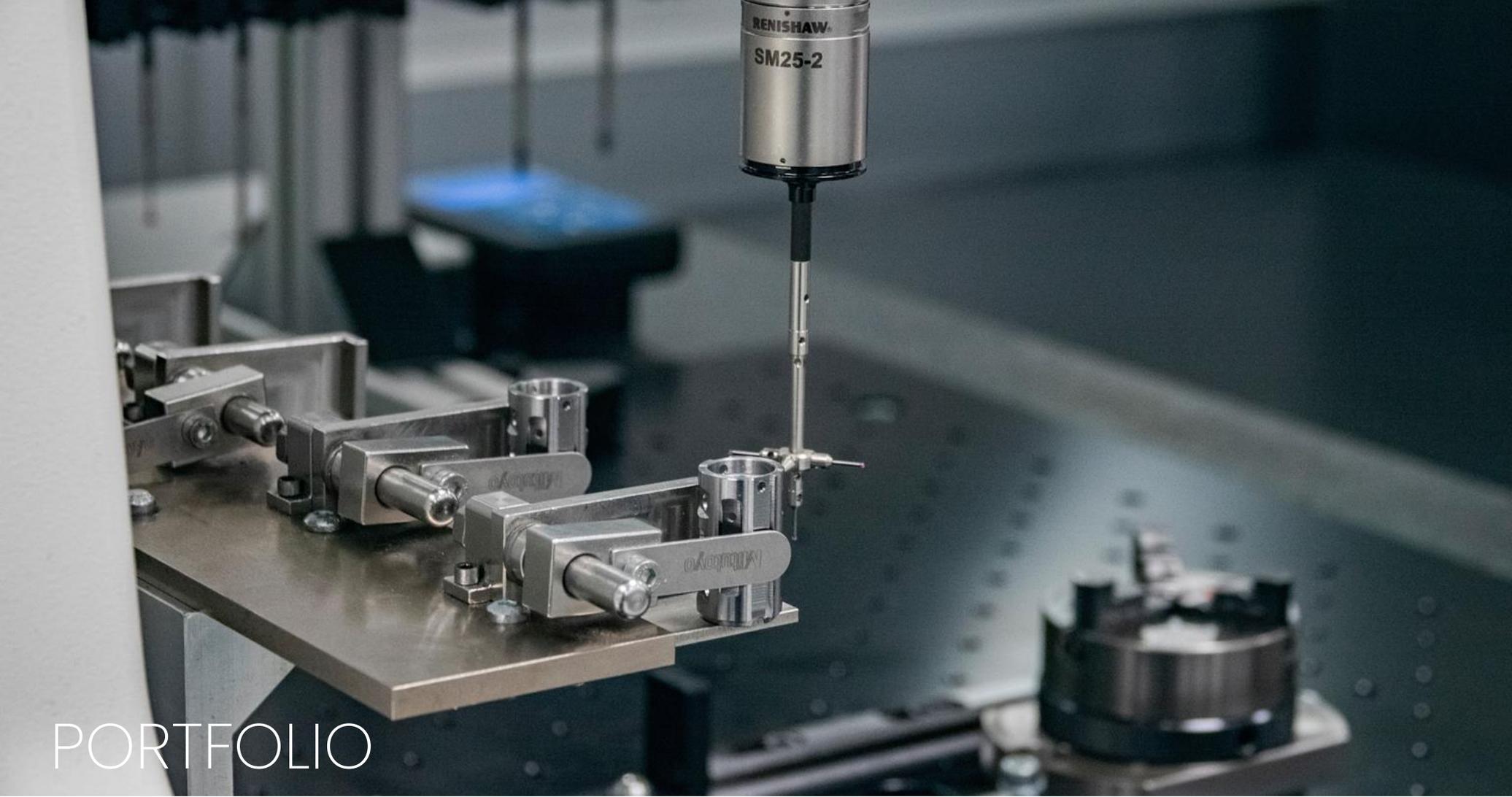


ELTRON



Honeywell



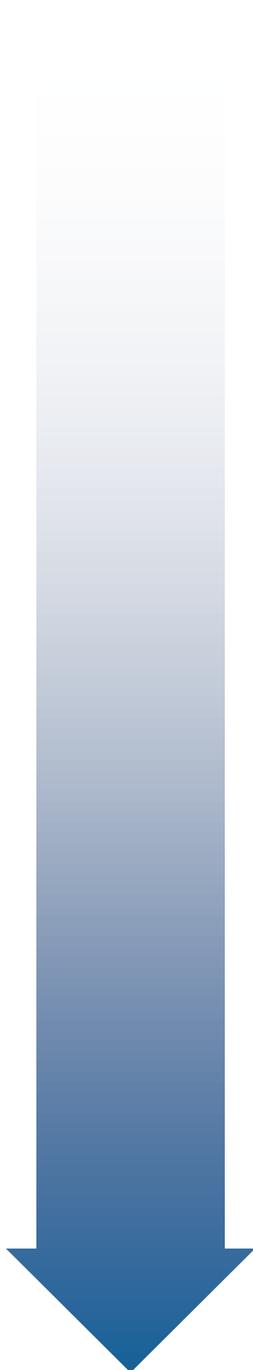


PORTFOLIO

Special projects

Special projects

Special bolt for engine valve application



TURNING PROCESS:

Range of Tolerance:

Internal Diameter +/- 0,02 mm

External diameter 0,02 mm

HEAT TREATMENT:

HEAT TREATMENT:

40-44 HRC



HARD TURNING:

Range of Tolerance:

Internal Diameter +/- 0,007 mm

External diameter +/- 0,0085 mm

100% CHECK

Reporting: All measured stored in Data Base. Full traceability of Baskets or Pieces



Special projects

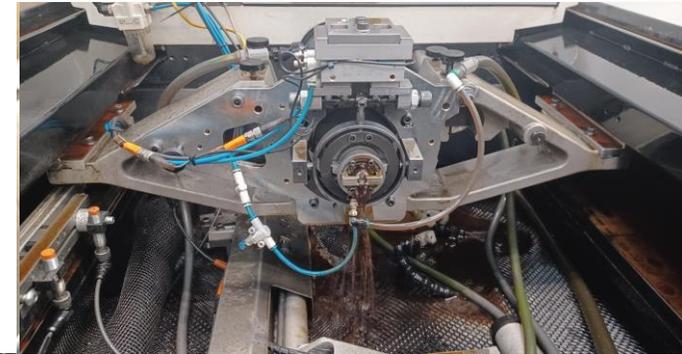
Special sleeve for engine valve application



TURNING PROCESS:

Range of Tolerance:

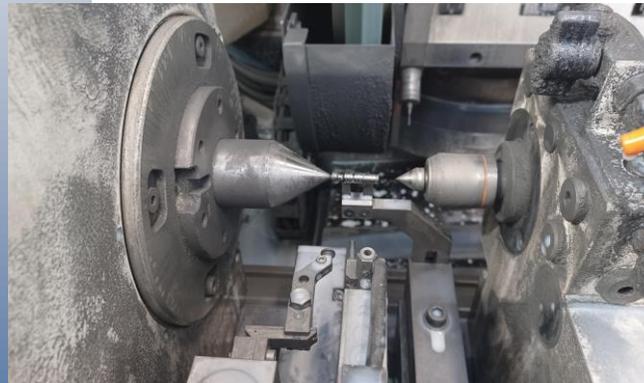
Internal Diameter +/- 0,01 mm



HONING:

Range of Tolerance:

Internal Diameter +/- 0,005 mm



GRINDING CNC:

Range of Tolerance:

External Diameter +/- 0,005 mm



100% CHECK

Reporting: All measured stored in Data Base. Full traceability of Baskets



Special process already developed

Special **Spool** for gear valve application



**HEAT TREATMENT:
GAS NITRIDING**

External supplier:
Bodycote Poland

TURNING PHASE

Range of Tolerance

Internal Diameter: $\pm 0,01$ mm



GRINDING CENTERLESS

Range of Tolerance

External diameter: $\pm 0,002$ mm

Cilindricity: 0,010 mm

100% CHECK

Reporting: All measured stored in Data base. Full traceability of Baskets



Machines and technologies

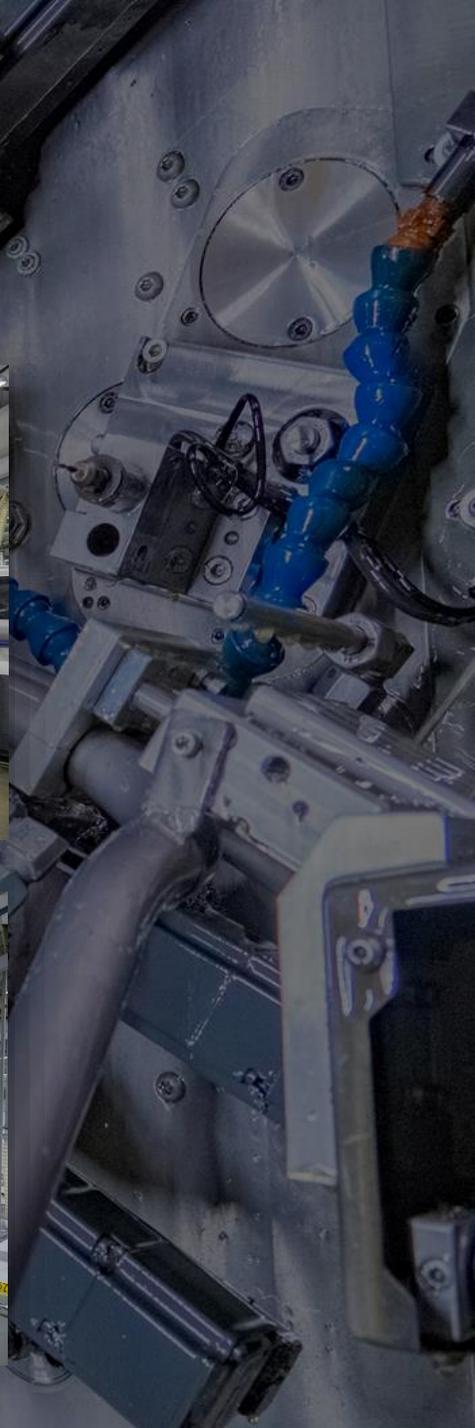
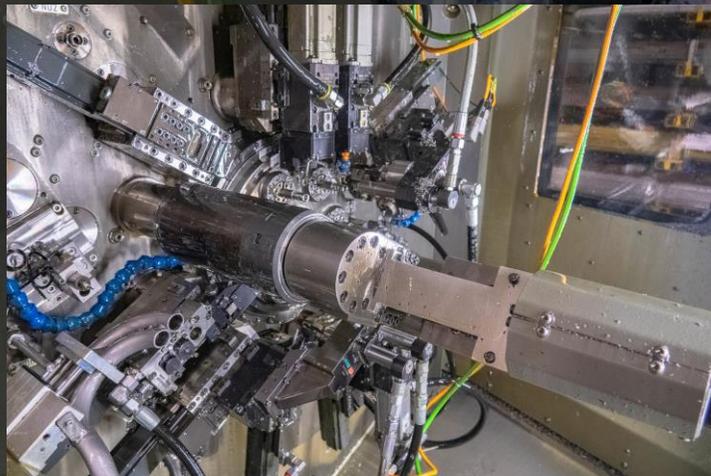
More than 250 machines

- CNC slide headstock lathes bar pass. **32mm/1.26"**
- CNC fixed headstock lathes bar pass. **65mm/2.56"**
- Multispindle lathes bar pass. **32mm/1.26"**
- CNC Multispindle lathes bar pass. **40mm/1.57"**
- **Transfers 4/6/8 stations**
- **Laser welding machines**
- Thermal Deburring, **De-oxidation and sand blasting**
- Honing and **Grinding machines**
- **Hard Turning machines**
- **Assembling lines**
- **Selection machines** (control 100%)

INDEX MS22

257

Machines and technologies: turning



Machines and technologies: others



Quality control internal laboratory: instruments

- OGP 3D optical and touch **machine CNC**
- Hommel optical profile **measuring system**
- **Mitutoyo 3D Machine**
- **Roughness, Roundness CNC machine**
- Profile **CNC machine**
- **Cleanness test machine**
- **Computerized quality management ZCP**
- Advanced **traceability system**



ZANNINI

ISO 9001

IATF 16949

ISO 14001

OHSAS 18001

ZANNINI POLAND

ISO 9001

IATF 16949

ISO 14001

MECCANICA VENETA

ISO 9001

IATF 16949

Certifications

CERTIFICATO N. 19961/09/S
CERTIFICATE No. 19961/09/S

SI CERTIFICA CHE IL SISTEMA DI GESTIONE PER LA QUALITÀ DI IT IS HEREBY CERTIFIED THAT THE QUALITY MANAGEMENT SYSTEM OF

ZANNINI S.P.A.

VIA CHE GUEVARA 63/A 60022 CASTELFIDARDO (AN) ITALIA

NELLE SEGUENTI UNITÀ OPERATIVE / IN THE FOLLOWING OPERATIONAL UNITS

ZANNINI S.P.A.
 ZANNINI POLAND S.P. ZOO
 WÓJCIKOWSKA NA AL. 2002 CIELNOJA
 MECCANICA VENETA S.R.L.
 VIA DELL'INDUSTRIA 10 30020 RUBATE (PD) ITALIA

È CONFORME ALLA NORMA / IS IN COMPLIANCE WITH THE STANDARD
ISO 9001:2008

PER I SEGUENTI CAMPI DI ATTIVITÀ / FOR THE FOLLOWING FIELDS OF ACTIVITIES

EA 17

PRODUZIONE MEDIANTE TORNATURA AUTOMATICA DI MINIERE METALLICHE DI PRECISIONE
 AUTOMOTIVE INDUSTRY

MANUFACTURE BY AUTOMATIC TURNING OF PRECISION METAL PARTS

Per informazioni sulla validità del certificato, visitare il sito www.cisq.org

For information concerning validity of the certificate, please visit the site www.cisq.org

Referenza al Manuale della Qualità per i dettagli delle condizioni di applicabilità del sistema di gestione di qualità. / Reference to the Quality Manual for details regarding the application of the system of quality management.

Referenza al Manuale della Qualità per i dettagli delle condizioni di applicabilità del sistema di gestione di qualità. / Reference to the Quality Manual for details regarding the application of the system of quality management.

La validità del presente certificato è subordinata a conformità periodica annuale, intervenute ad almeno un tempo del sistema di gestione con periodicità biennale. / The validity of the present certificate is subordinate to conformity periodic annual, intervenute at least once every two years of the management system.

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Prima emissione: 28.07.2009
 First Issue: 28.07.2009
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 Current Issue: 18.07.2015
 Data Rinnovo: 09.07.2016
 Expiry Date: 09.07.2016

Ing. Michele Franciosi (Chief Executive Officer)

RINA Services S.p.A.
 Via Corneo 12 - 10128 Genova Italy

ACCREDITA
 RINA Services S.p.A.
 Via Corneo 12 - 10128 Genova Italy

IAF
 RINA Services S.p.A.
 Via Corneo 12 - 10128 Genova Italy

CISQ
 RINA Services S.p.A.
 Via Corneo 12 - 10128 Genova Italy

CISQ is a member of I-Net
www.inep-certification.com

Other a component of more than 100000 certificates issued worldwide, at over 100 sites.

CERTIFICATO N. TS/19961/09
CERTIFICATE No. TS/19961/09

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ZANNINI S.P.A.

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VIA CHE GUEVARA 63/A 60022 CASTELFIDARDO (AN) ITALIA

È CONFORME ALLA NORMA / IS IN COMPLIANCE WITH THE STANDARD AND THE SCHEME REQUIREMENTS
ISO/TS 16949:2009

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 AUTOMOTIVE INDUSTRY

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CERTIFICATO N. OHS-322
CERTIFICATE No. OHS-322

SI CERTIFICA CHE IL SISTEMA DI GESTIONE DELLA SICUREZZA E DELLA SALUTE AL LUGO DI LAVORO È IT IS HEREBY CERTIFIED THAT THE OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM OF

ZANNINI S.P.A.

VIA CHE GUEVARA 63/A 60022 CASTELFIDARDO (AN) ITALIA

NELLE SEGUENTI UNITÀ OPERATIVE / IN THE FOLLOWING OPERATIONAL UNITS

VIA CHE GUEVARA 63/A 60022 CASTELFIDARDO (AN) ITALIA

È CONFORME ALLA NORMA / IS IN COMPLIANCE WITH THE STANDARD
BS OHSAS 18001:2007
 E AL DOCUMENTO SINCERT RT-19

PER I SEGUENTI CAMPI DI ATTIVITÀ / FOR THE FOLLOWING FIELDS OF ACTIVITIES

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CERTIFICATO N. EMS-2726/S
CERTIFICATE No. EMS-2726/S

SI CERTIFICA CHE IL SISTEMA DI GESTIONE AMBIENTALE DI IT IS HEREBY CERTIFIED THAT THE ENVIRONMENTAL MANAGEMENT SYSTEM OF

ZANNINI S.P.A.

VIA CHE GUEVARA 63/A 60022 CASTELFIDARDO (AN) ITALIA

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VIA CHE GUEVARA 63/A 60022 CASTELFIDARDO (AN) ITALIA
 E SITO PRODUTTIVO (VEDERE ALLEGATO)

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ISO 14001:2004
 E AL DOCUMENTO ACCREDIA RT-09

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Strategy: tailored mechatronics solutions

Increasing automatization of production processes
-> parts picking, handling and assembling



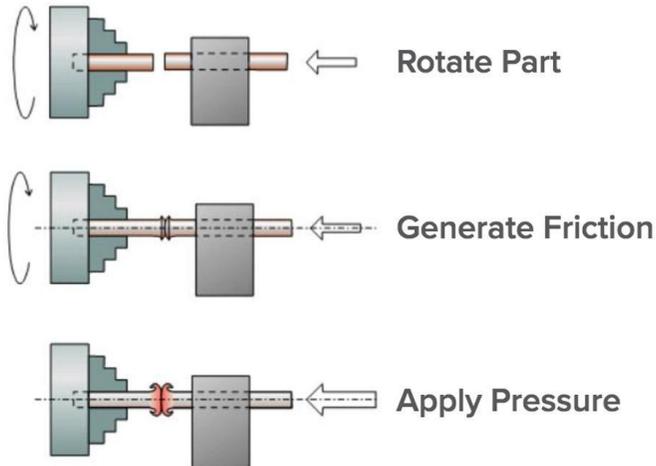
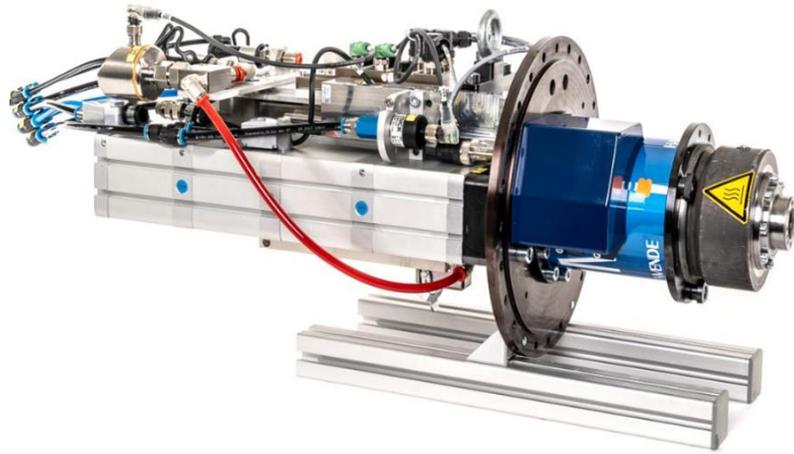
Strategy: tailored mechatronics solutions

Increasing automatization of production processes

-> 100% final inspection of components (including assembly when require)



R&D Projects



	Automotive	General Industry
CEV*	E-mobility	New applications
Valves	High-voltage cables 12 V	Drive shafts
	High-voltage cables 48 V	Threaded rods
	Connectors / connecting elements	Guide & contact pins

* CEV – Combustion Engine Vehicle



GOAL: Developing an High Speed Friction Welding as Industrial Additive Technology in cooperation with Gliwice University

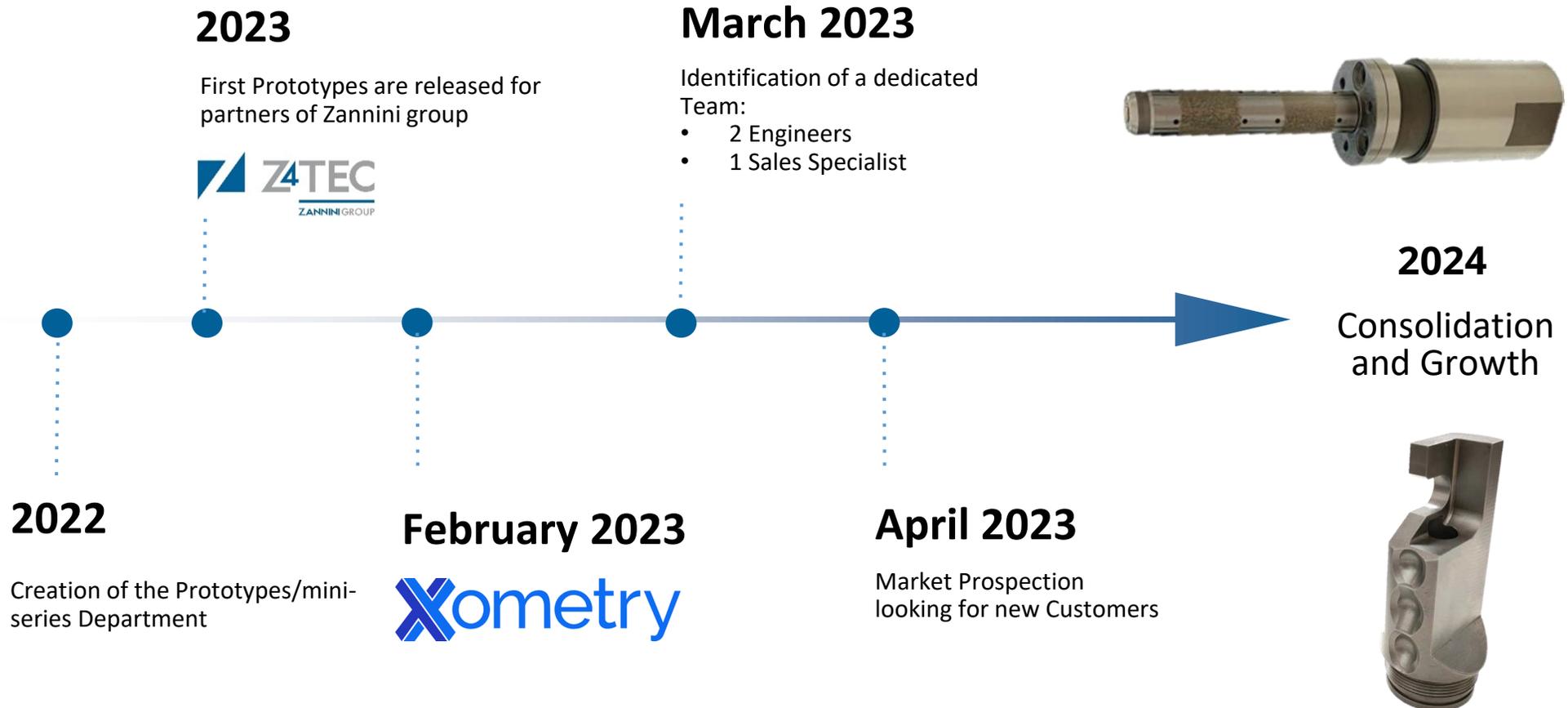
SITE: Zannini Poland

APPLICATIONS: multiple sectors

Zannini Italy Project: prototype department

Support our customers in the development of new products at every stage, from design to mass production through small series.

Project Roadmap:



Zannini Italy Project: prototype department

MACHINES AND TOOLS



single spindle lathe with
Fixed headstock CNC
INDEX ABC-42



Multitasking Machine **Mazak**
1 < Ø < 200 mm



4-Axis Vertical Milling Center **Haas**

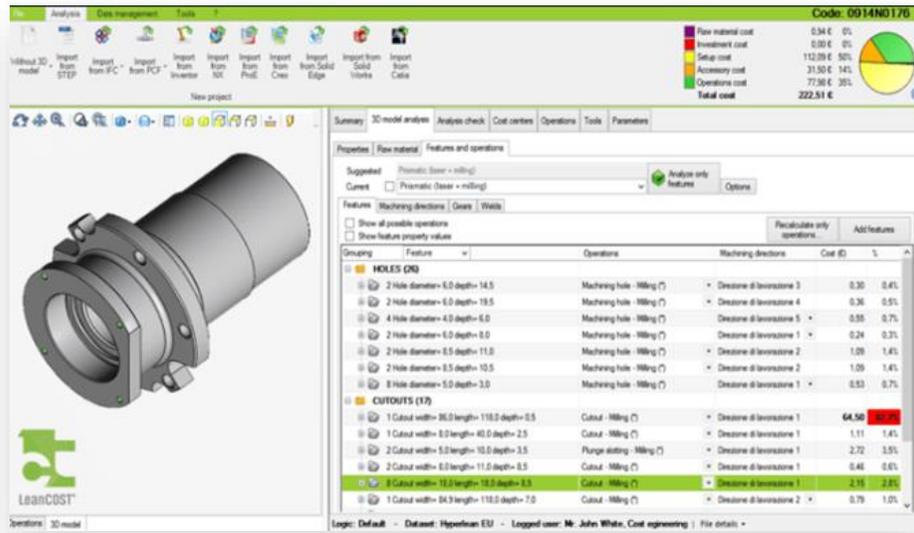
Additional production equipment available:

- Wire EDM machine brand Sodick
- Plastic 3D printer brand Ultimaker
- Semi-automatic sawing machine brand MEP
- Shopflor CMM Mitutoyo Mistar

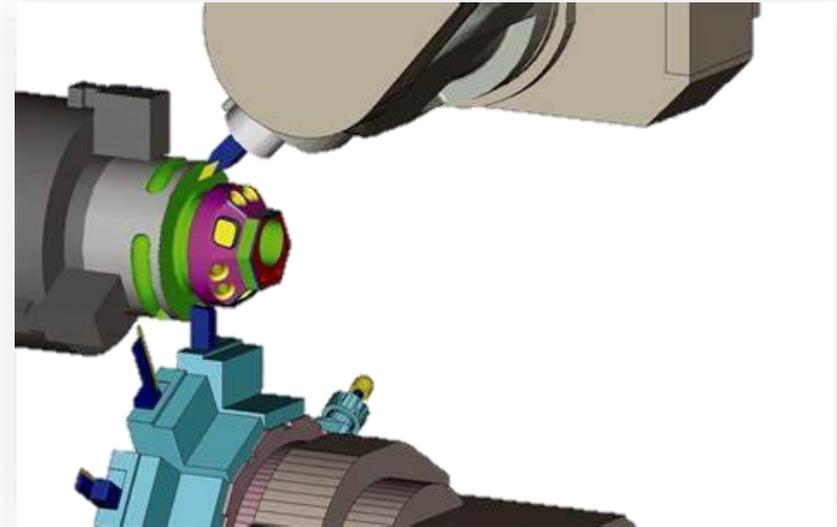
Zannini Italy Project: prototype department

SOFTWARE

Cost calculation software **LEANCOST**



CAM software **ESPRIT**



Next development planned for 2024

Dedicated e-commerce portal for mini-series

- fast offers (2-days lead time)
- assurance of quality according drawing
- delivery time reliable information
- even for a single (1) piece!

Strategy: Industry 5.0 – resilience

Acquisition of land for production space enhancement of our Headquarter in Castelfidardo:

Investment for the land:

380.000€

Investment photovoltaic system:

800.000€



AREA 2

Possibility to expand the company for additional 1600 sq.m for production, and 400 sq.m for offices



AREA 1

Installation new photovoltaic system 600 Kw



AREA 4

Installation new photovoltaic system 200 Kw



AREA 3

Possibility to extend the photovoltaic systems

Target: reaching a production of energy coming from renewable proper sources of 30% (at least) during the next 3 years



Sustainability



LEGENDA

- S** STRATEGIC
- E** ENVIRONMENTAL

Roadmap

Sustainability

SEPTEMBER 2027



E

Carbon Footprint
2026

S

Consolidated
Sustainability
Report
2026

SEPTEMBER 2028



E

Carbon Footprint
2027

S

Consolidated
Sustainability
Report
2027

SEPTEMBER 2029



E

Carbon Footprint
2028

S

Consolidated
Sustainability
Report
2028

2030



E

**SBTi Emission Reduction
Conclusion**

E

Neut ralization of the rem aining
sources of emiss ions
(com pensation)

S

Consolidated
Sustainability
Report
2029

LEGENDA

S STRATEGIC

E ENVIRONMENTAL

Roadmap

Thank you



ZANNINI S.p.A

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60022 Castelfidardo
Italy
Tel +39 071 780028
www.zannini.com



Zannini Poland Sp. Zo.o.

Ulica Wojkowicka 60
41-250 Czeladz
Poland
Tel. +48 32 2673111
www.zannini.com



Z4TEC

Via Che Guevara 63a
60022 Castelfidardo
Italy
Tel +39 071 780028
www.z4tec.com



**MECCANICA
VENETA**

Meccanica Veneta S.p.A.

Via delle Industrie 33
35030 Rubano
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