



Company Profile 2022

ABOUT US



WHO WE ARE

TECPOOL is a **young, dynamic** and **technologically advanced** company specialized in electromechanical components.



PRODUCTS

- E-Motors
- Electromagnets
- Immobilizers
- Sensors and connectors
- Valves
- Moulded parts

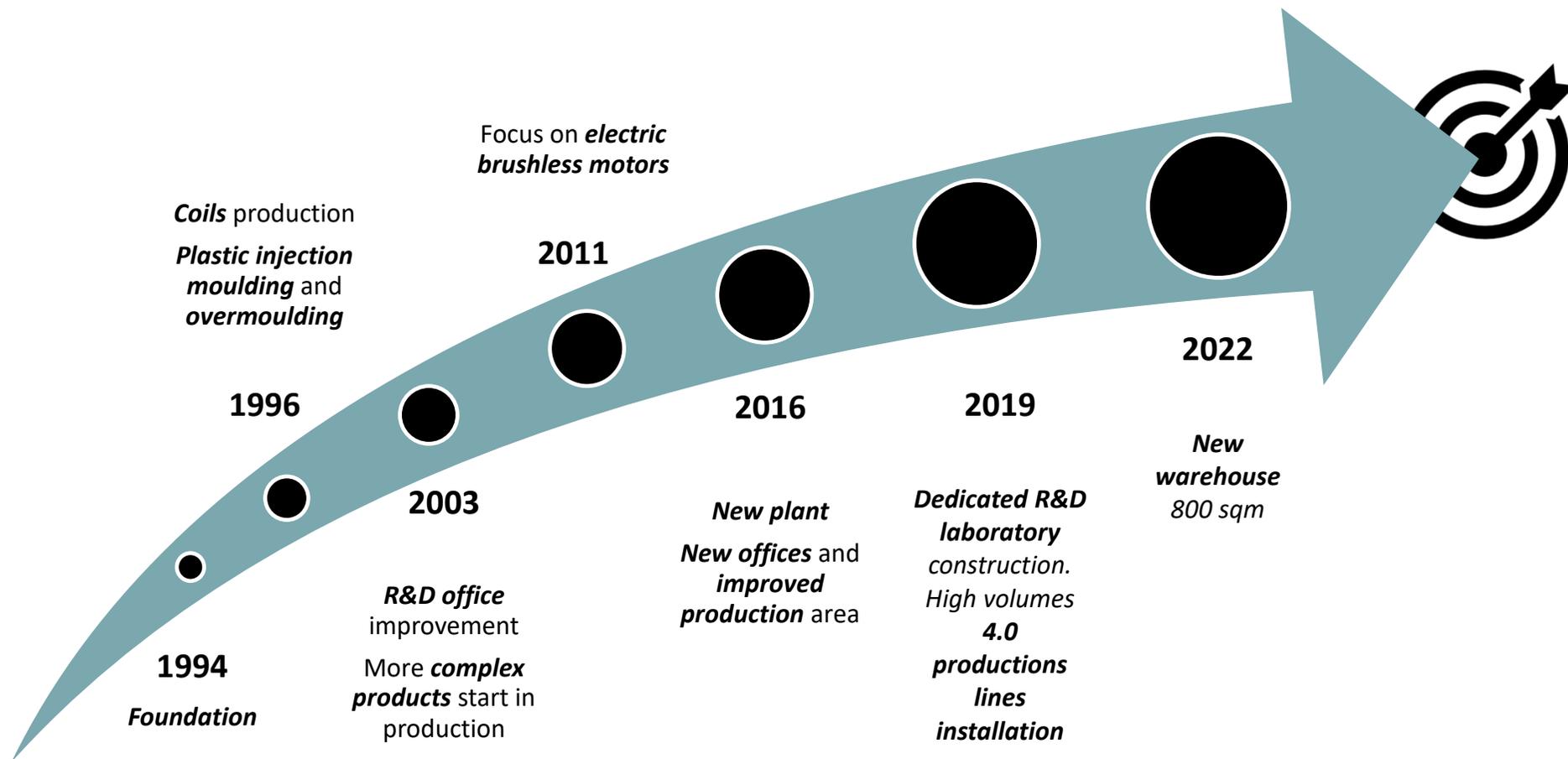


LOCATION

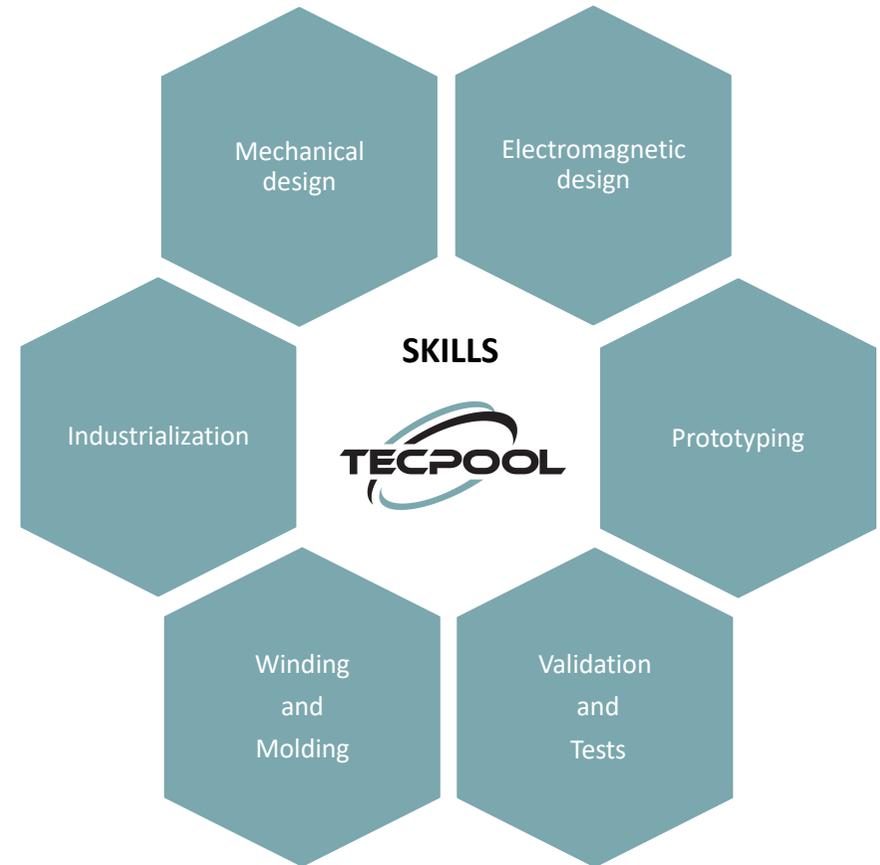
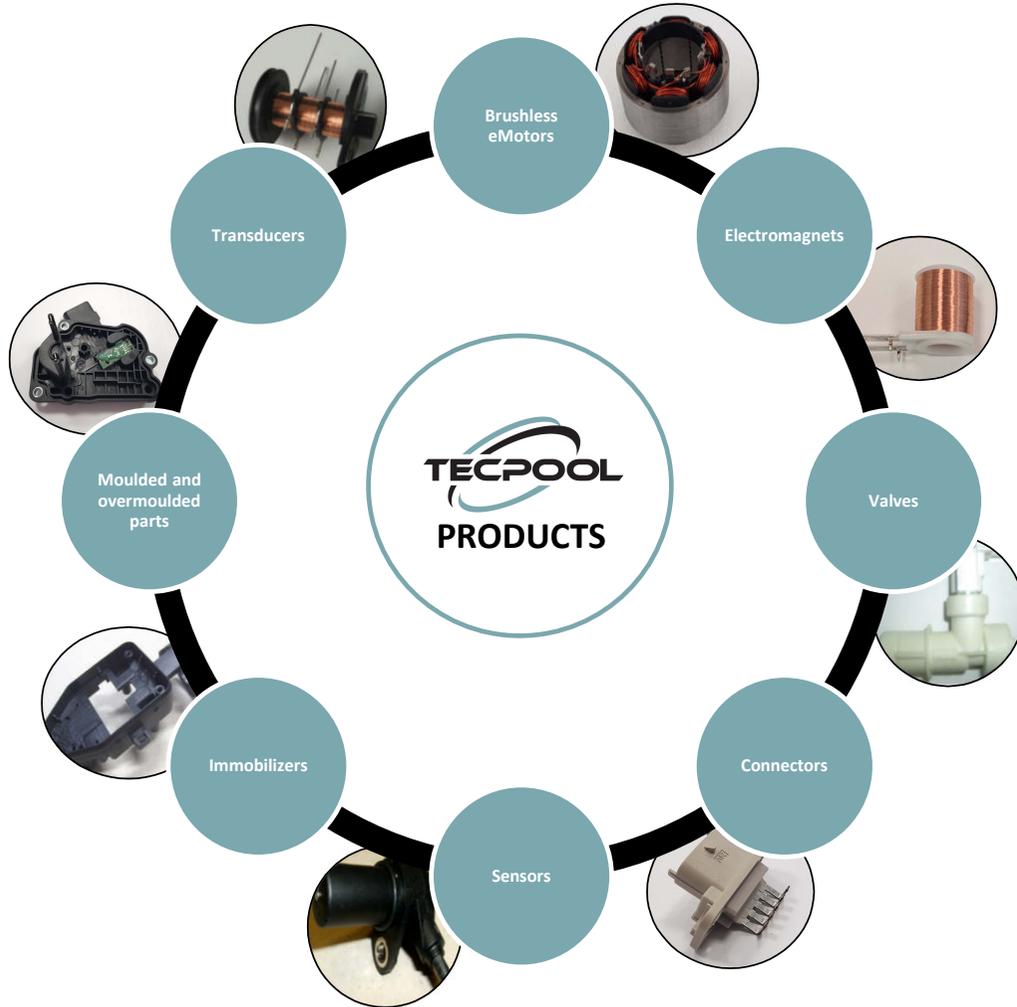
Via Brodolini 20
Casale Monferrato
ITALY

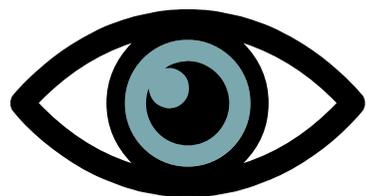


TECPOOL HISTORY



PRODUCTS and SKILLS





Vision

“Contribute to a more sustainable World through electrification”



Mission

“Build an innovative company where development is the way forward”



Strategy

“Invest in people, structure and research to grow up with continuous improvement”



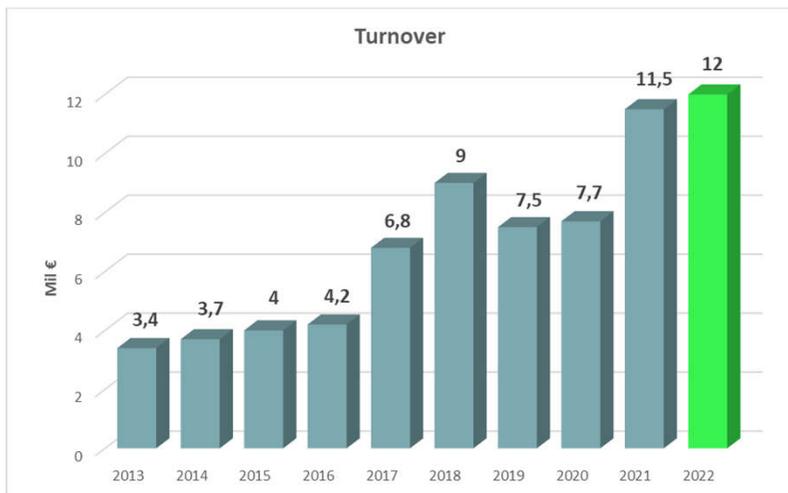
Goal

“Be one of the main player in the electro-mechanical industry and support customers with their electric and hybrid transition”

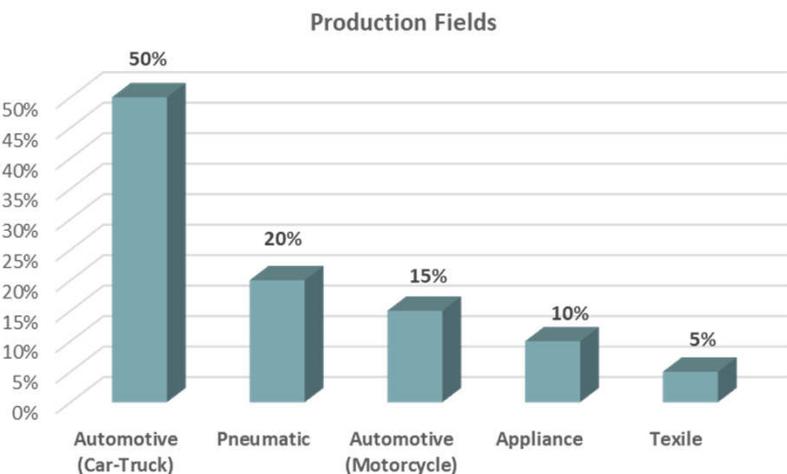
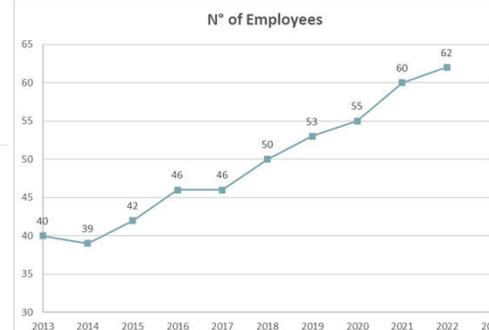
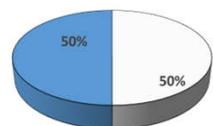
SOME NUMBERS



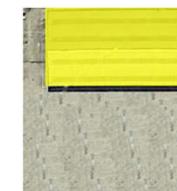
R&D > 8%



62 Employees



- R&D and Technical offices
- R&D Laboratory
- Warehouse
- Motor production area and testing area
- Molding and winding area



Plant 3 - 800 [sqm]

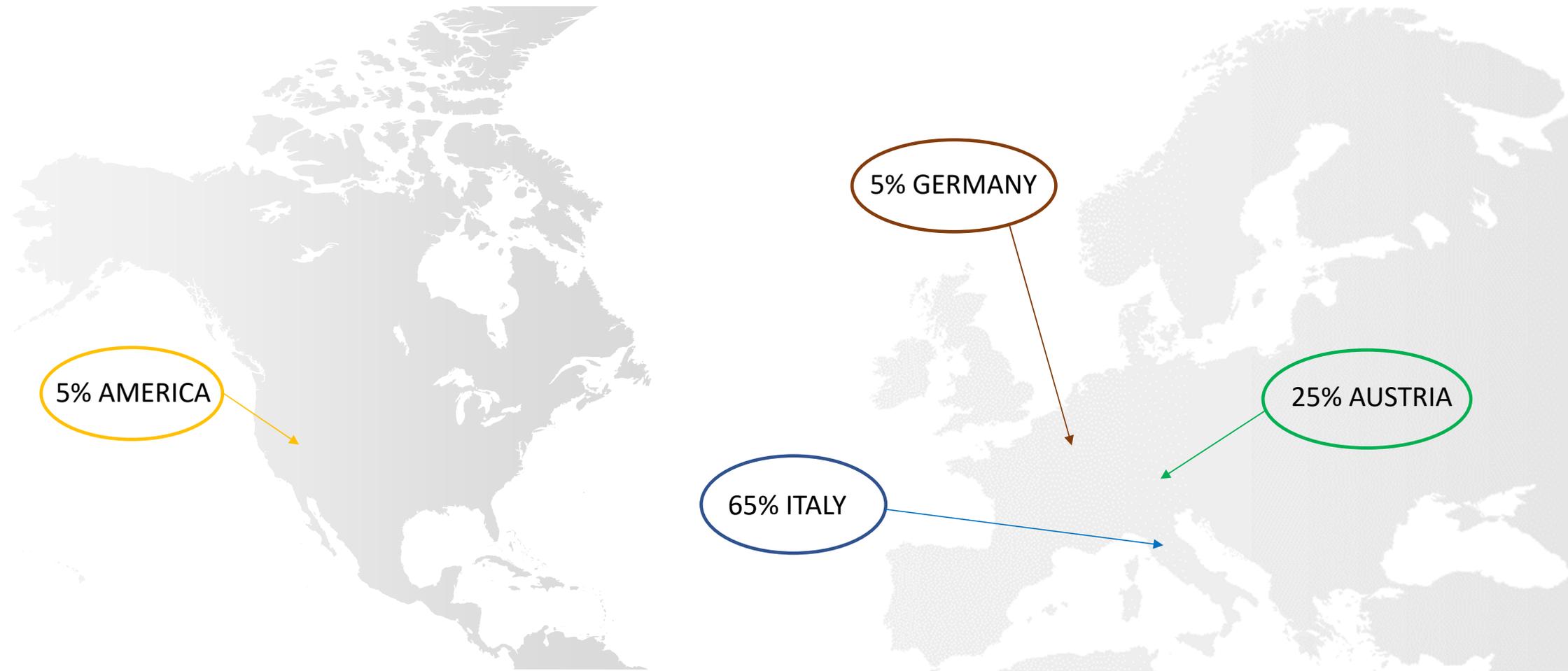


Plant 1 - 1500 [sqm]



Plant 2 - 2500 [sqm]

CUSTOMER LOCATION



INSIDE TECPOOL



Motor production area



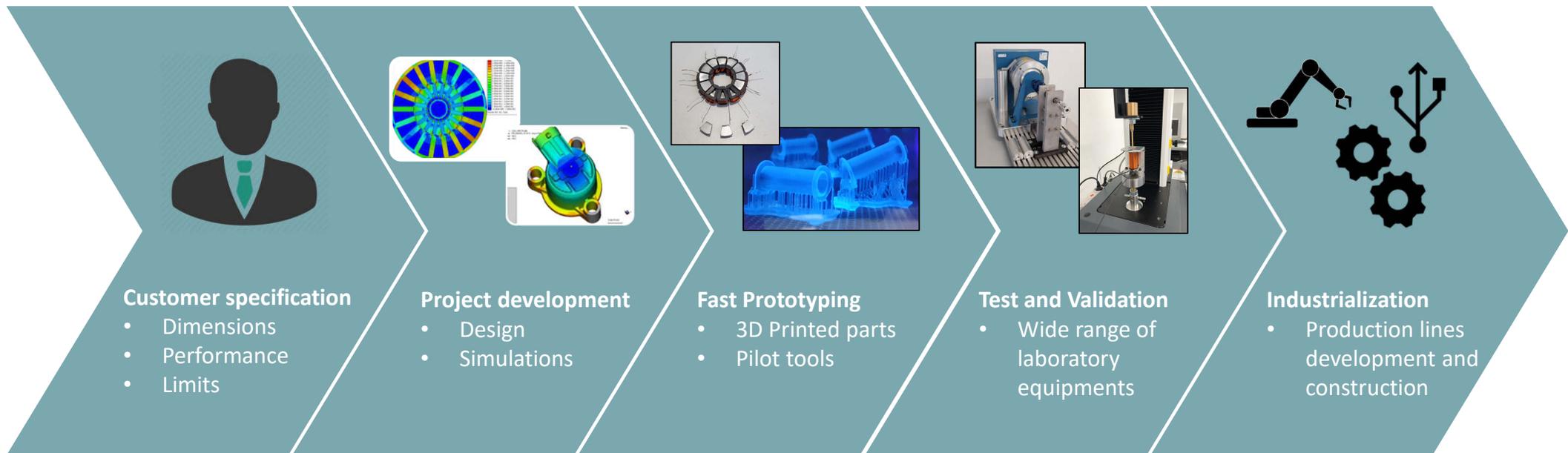
R&D laboratory



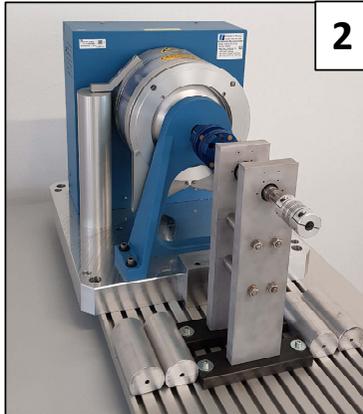
Molding and overmolding area



PROJECT FLOW



R&D and FAST PROTOTYPING



- Dedicated winding machine for prototypes
- 4x 3D Printers [1]
- 3x Motor characterization benches up to 14.5 Nm [2]
- Balancing machine [3]
- Load cell machine [4]
- Stator resin encapsulating
- Leakage and flow tests
- Electric tests
- Electromagnetic tests

FOCUS ON QUALITY



3D measuring Zeiss equipment



3D measuring Falcon equipment



Vötsch thermal shock chamber

OUR FEATURES

- ISO 9001 Certified Company
- 100 % EOL control
- Top class lab equipments
- Vibration test available
- Corrosion test available
- Plastic characteristics
- Test on gaskets
- Dimensional verification
- Electric tests



What's new?



Upgrade towards ISO 9001:2015



Formlabs 3D printer for fast prototyping



Load cell for traction and compression



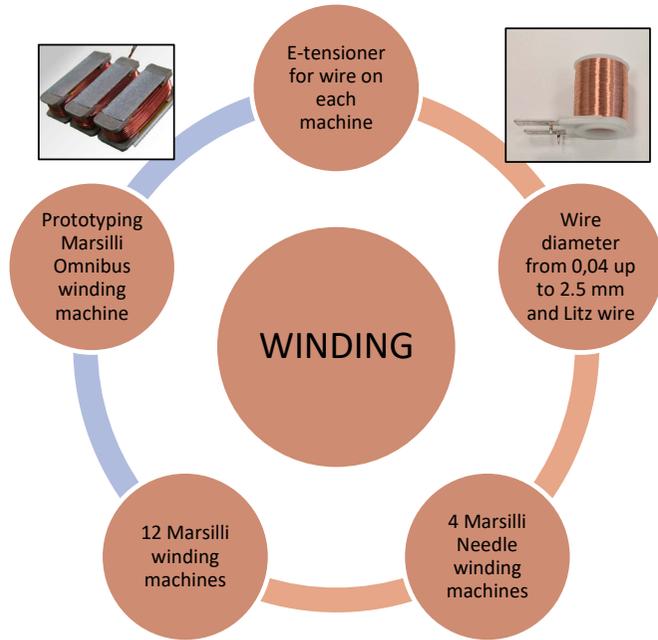
Marsilli needle winding machine for prototypes and production

MOULDING QUALITY CONTROL

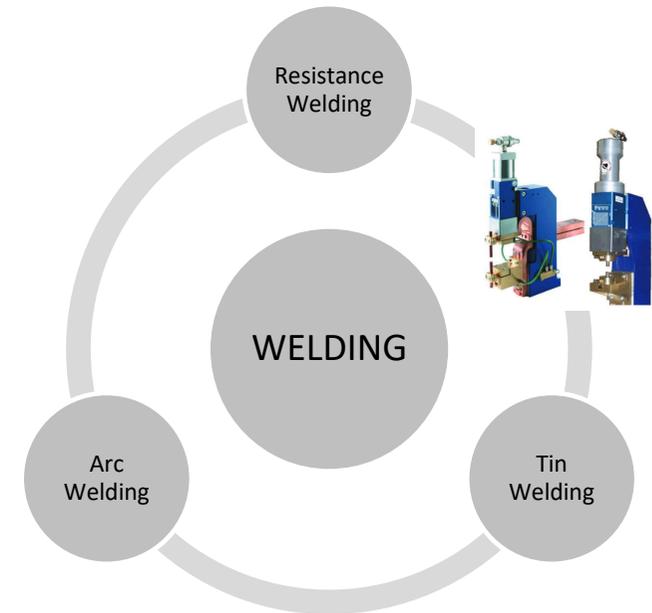
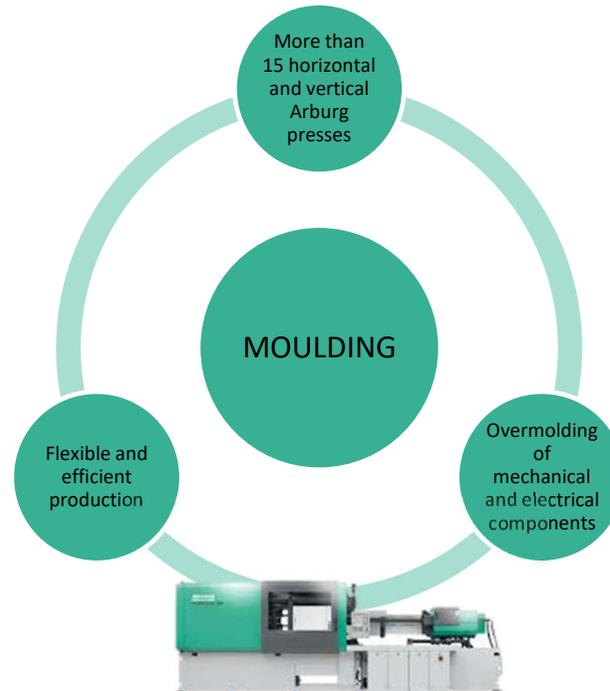


- ✓ Raw material temperature control
- ✓ Raw material humidity control
- ✓ Melt Flow Index (MFI) control
- ✓ Melt Volume Flow rate (MVR) control





FULL RANGE OF DIFFERENT KEY PRODUCTION ACTIVITIES



MOULDING AND OVERMOULDING



More than 15 Arburg presses



Well trained operators for complex overmolding process



Magnetic plan on each press guarantees fast tools exchange



Few grams up to 1Kg plastic injection capacity



Material processed:

- PPS
- PA6-PA66
- PPA
- PBT

Material filled with:

- Glass fiber or ball
- Ceramic fiber
- Mineral
- Carbon fiber

A photograph of a modern building at sunset. The building has a large, illuminated sign that reads "TECPOOL". The sky is a mix of purple, pink, and orange, indicating the time is either sunrise or sunset. The building's facade is made of large, dark panels, and there are large windows reflecting the sky. The overall mood is professional and modern.

**“According to your
request, we develop
and produce what
you need”**



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