



**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

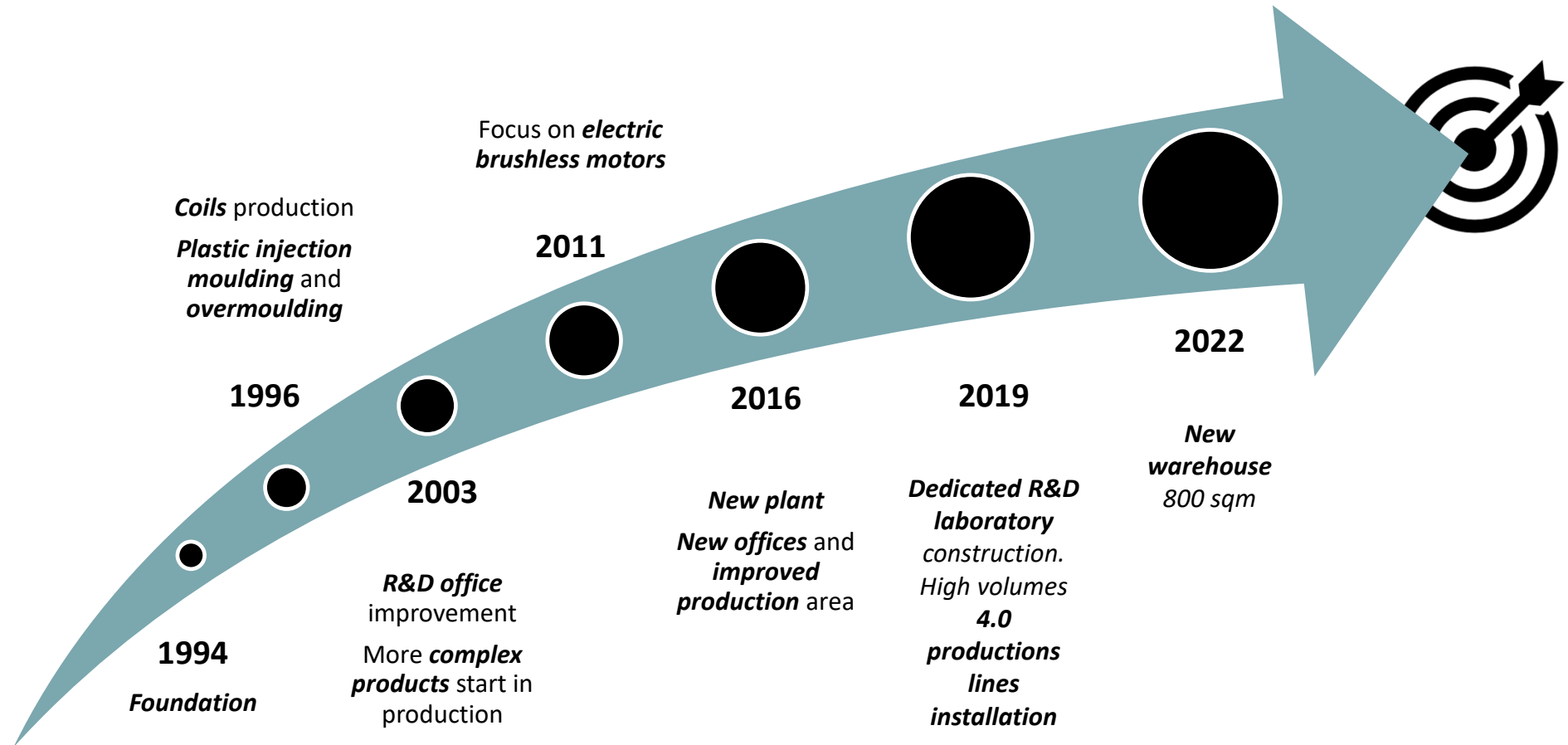


## LOCATION

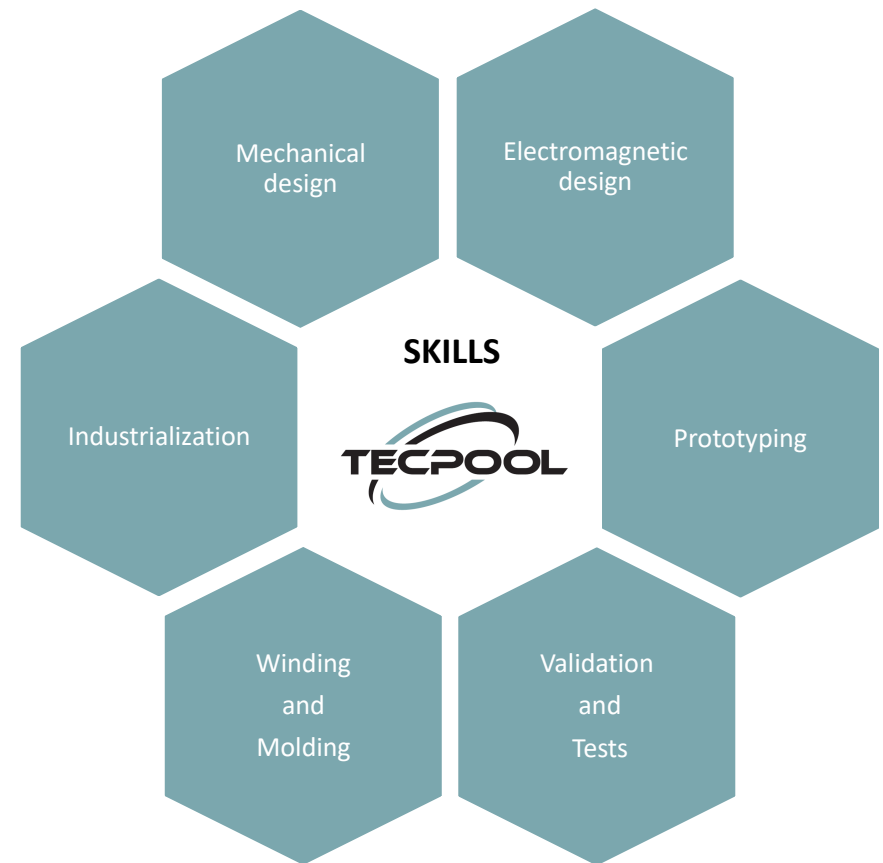
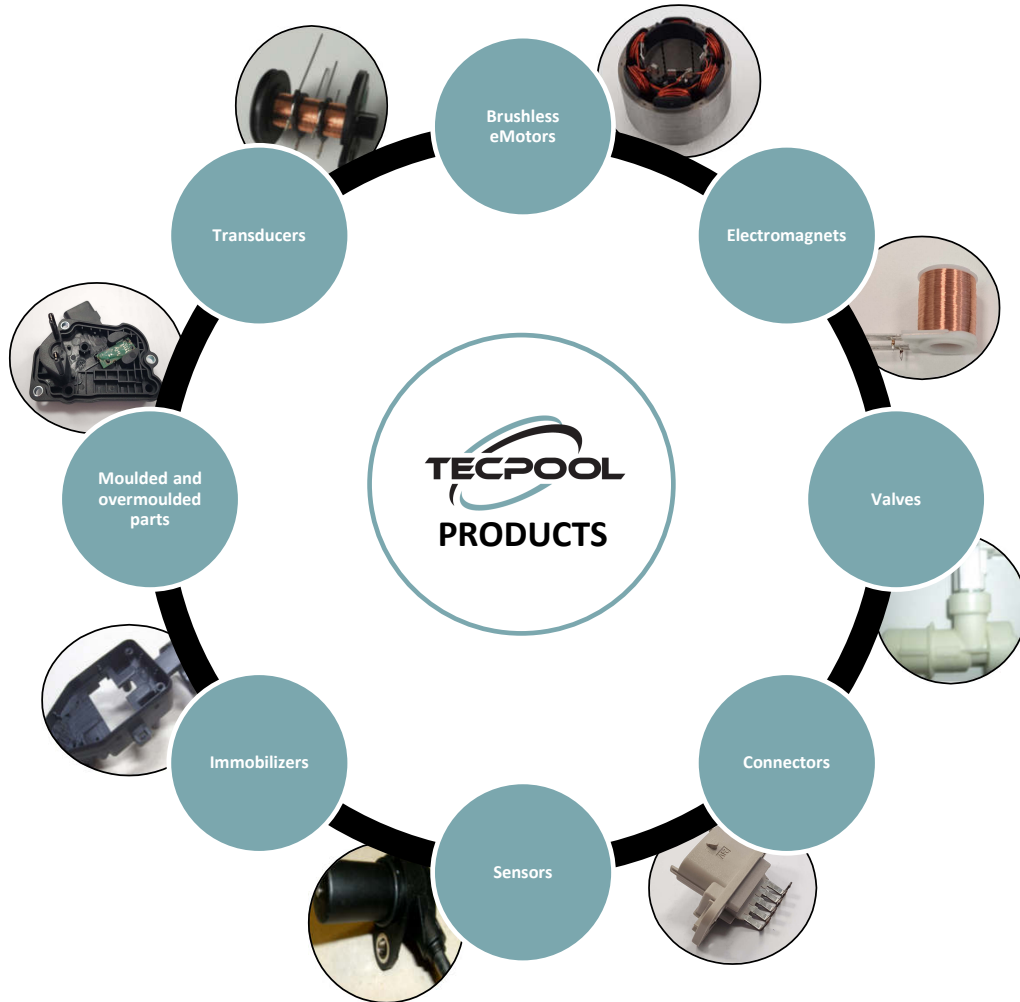
Via Brodolini 20  
Casale Monferrato  
ITALY

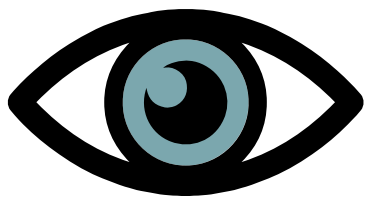


# TECPOOL HISTORY



# 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”



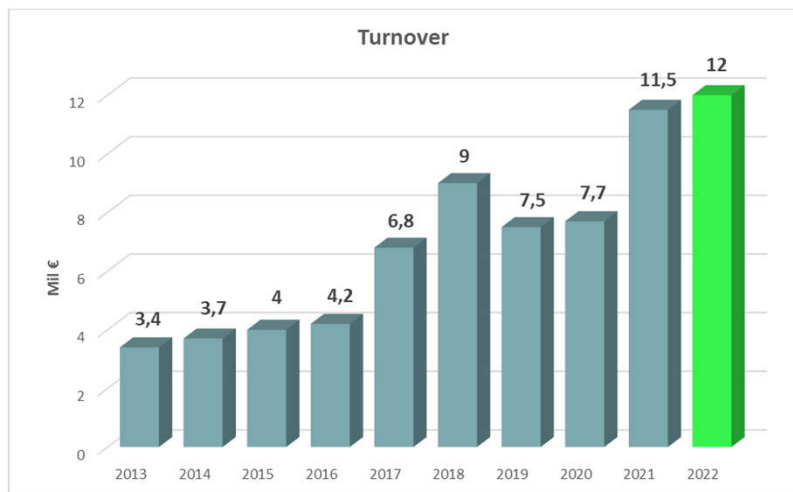
## Goal

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

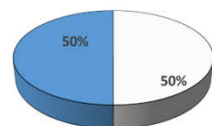
# SOME NUMBERS



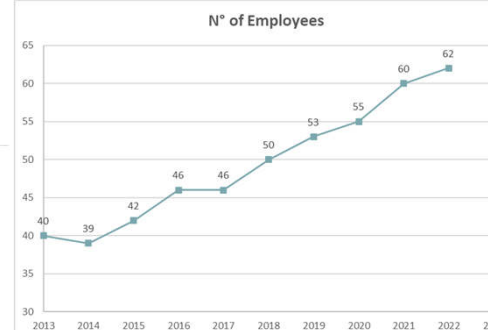
R&D > 8%



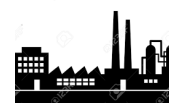
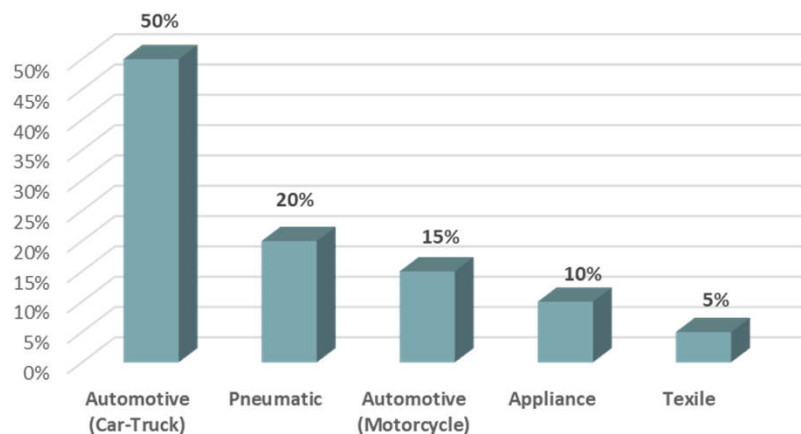
**62 Employees**



□ White collars ■ Blue collars



**Production Fields**



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



**Plant 3 - 800 [sqm]**

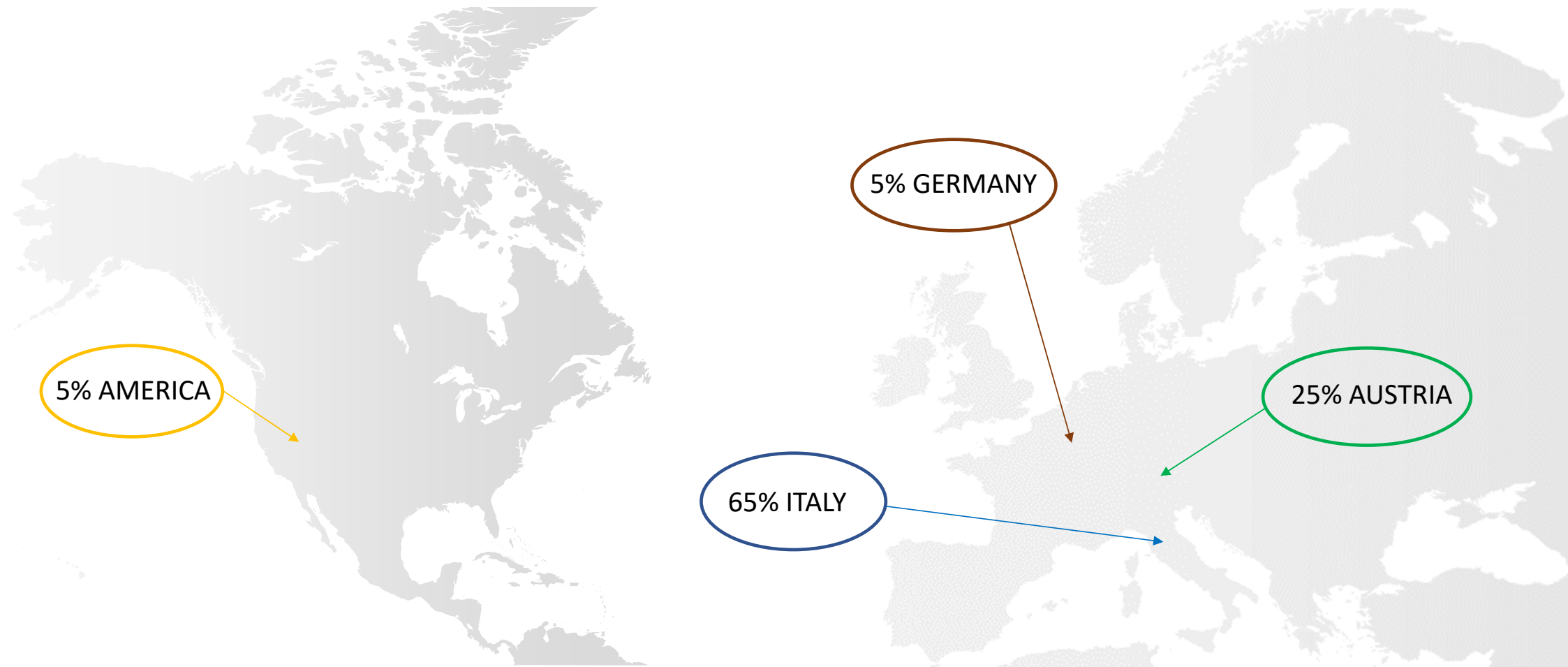


**Plant 1 - 1500 [sqm]**



**Plant 2 - 2500 [sqm]**

## CUSTOMER LOCATION





# INSIDE TECPOOL



*Motor production area*



*R&D laboratory*

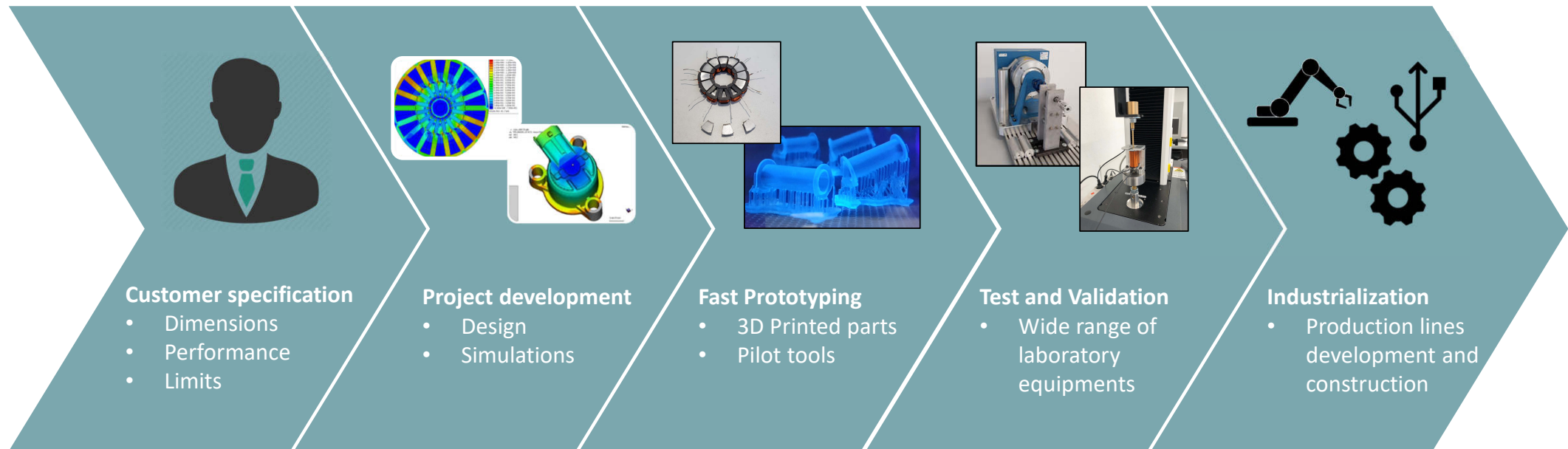


*Molding and overmolding area*

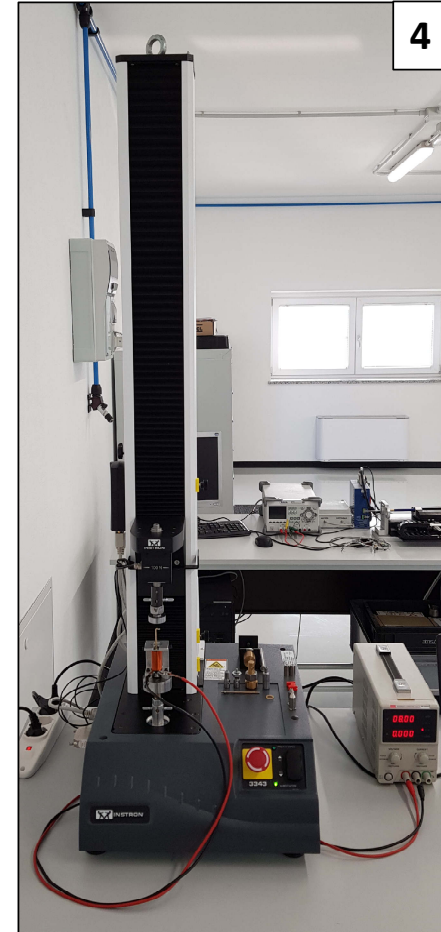
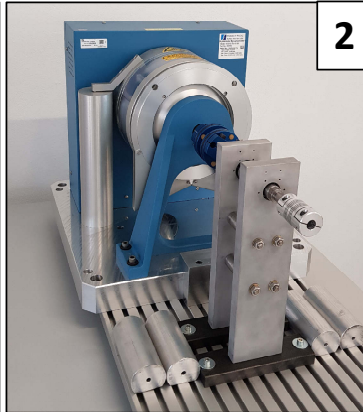




# PROJECT FLOW



# 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

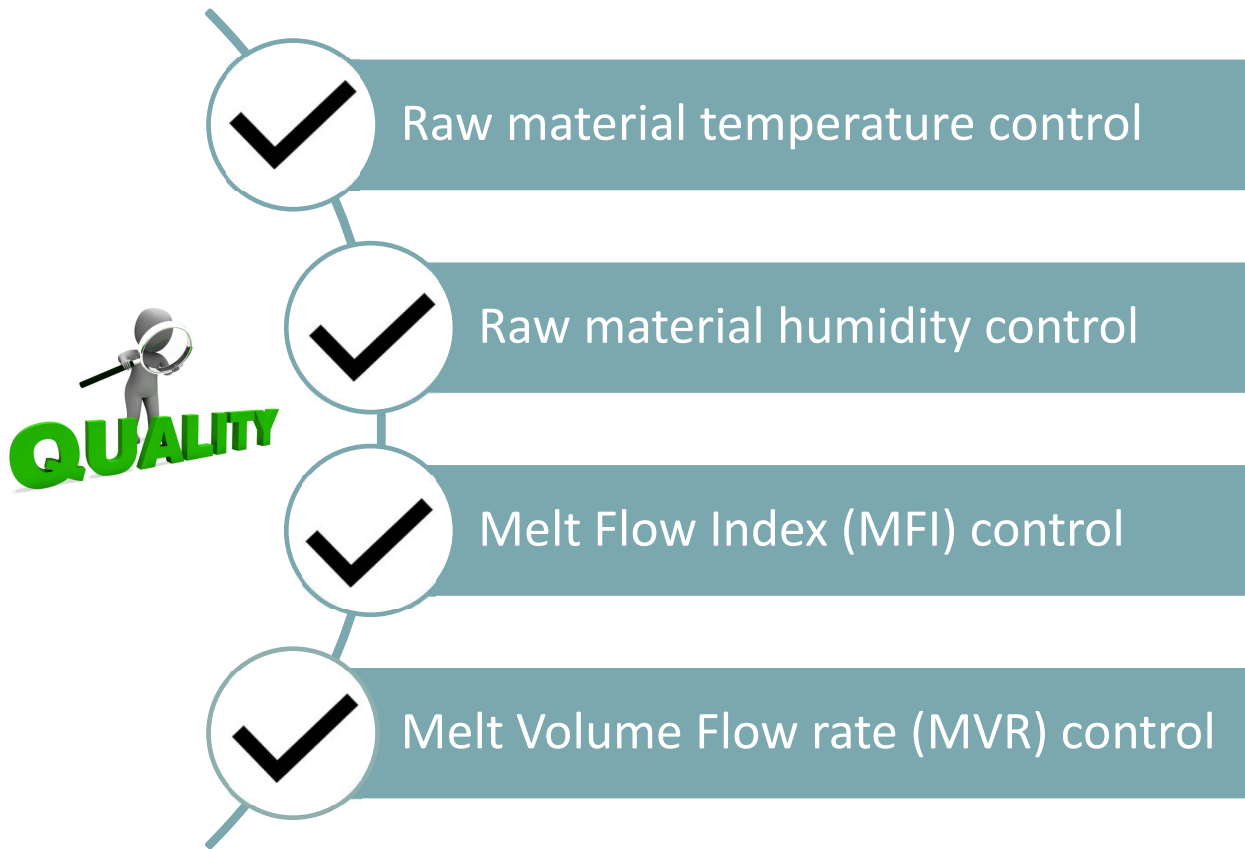


Load cell for traction and compression

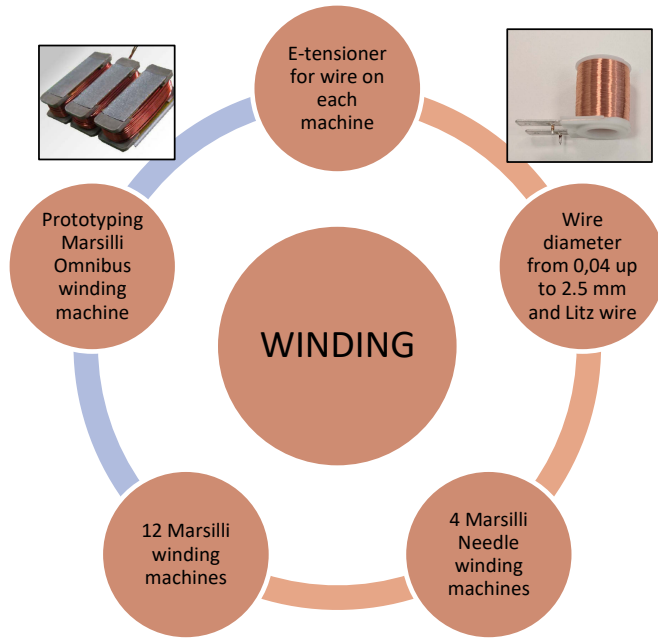


Marsilli needle winding machine for prototypes and production

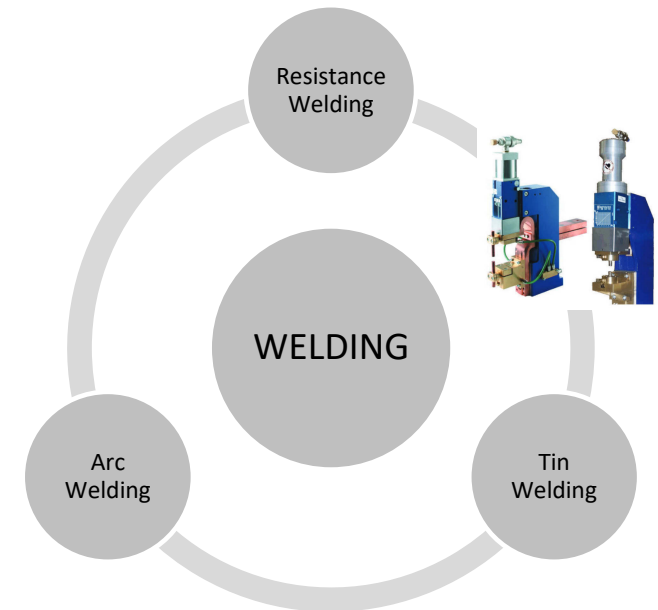
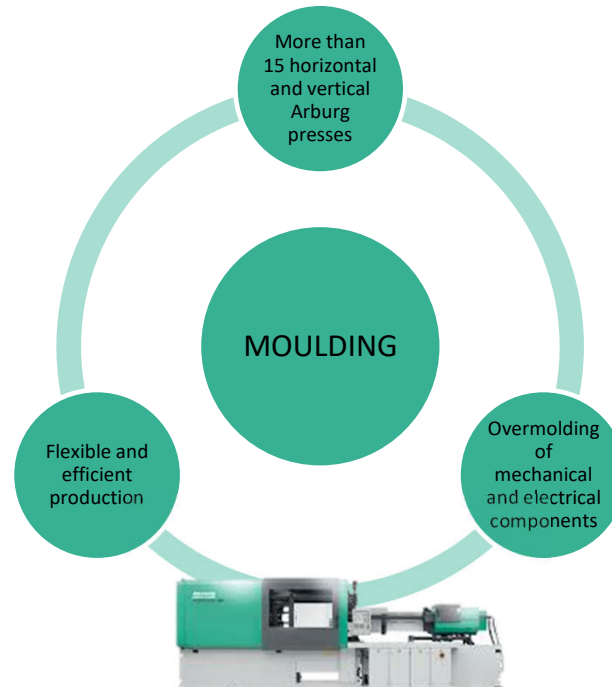
# MOULDING QUALITY CONTROL



# TECPOOL STRENGTHS



## 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

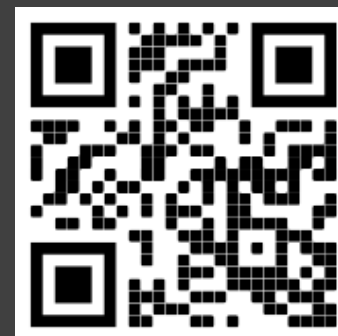
Material filled with:

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

A photograph of a modern building with a large, illuminated sign that reads 'TECPOL'. The building is constructed of light-colored panels and has a long, low profile. The sign is mounted on the upper part of the building and is brightly lit, casting a glow. The building's large glass windows reflect the vibrant colors of the sunset sky. The sky is a mix of orange, red, and purple, with some clouds visible. In the background, there are some trees and a street lamp. The overall scene is a professional and modern architectural shot.

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





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