

A family history

Techpol srl is an injection molding and value-added assembly service provider. It is a Family-owned business founded in 1970, Techpol over the years was able to develop innovative solutions and technologies especially for the automotive.

Thanks to continued investments in innovation, R&D, and development of the skills of our workforce, we have been able to implement a production process that has become increasingly technology-based using state of the art technologies.

In 1996, we became 1st Tier supplier of the Audi-Volkswagen Group. This radical development allowed us to consolidate our collaboration relationship with major car manufacturers in and outside Europe.

Founded by Maurizio and Giuliano Romagnoli, today the governance of Techpol is shared with the second generation - Alessandra, Giovanni, Marco.

+45

years of innovation
tradition and family

2

generations
in the board



Headquarters

**2 in Italy,
10.000 sqm**

**1 in CZ,
3.200 sqm**



Export quota

70 %



Number of items
per year

80 million



Number of presses

> 50



Welding machines,
Automatic and
semi-automatic
work station

> 27



Raw material usage

> 1.700 tons



Employees

> 180



Average
company age

40 year



% Women
incidence

40 %



Headquarters and territory



**Morro d'Alba - AN,
Italy (ITA)**

- 2.000 square meters
- 5 departments
- +50 injection molding machines



Respect for the environment



2019

Energy analysis and installation of energy meters



2022

Calculation of the company carbon footprint



2025

- Calculation of the product carbon footprint
- Obtaining ISO 50001 certification
- Reduction of the company footprint by 15%



2030

Carbon footprint reduction by 30%

Reduce CO₂



Techpol has always been inextricably linked to its territory of origin, so much so that it has decided to allocate a portion of the land owned for industrial use (13,000 square meters) to plant 150 olive trees.

The olive tree is a tree that, together with the vine, best represents the territory in which Techpol was born and is growing.

It is also considered the most powerful artificial CO₂ fixative existing: a single olive tree is able to absorb 2 kg of CO₂ per day and it is estimated that olive growing can absorb up to six times the amount of CO₂ emitted. Thus minimizing the so-called Carbon Footprint.



Techpol CZ



Pilsen, Czech Republic (CZ)

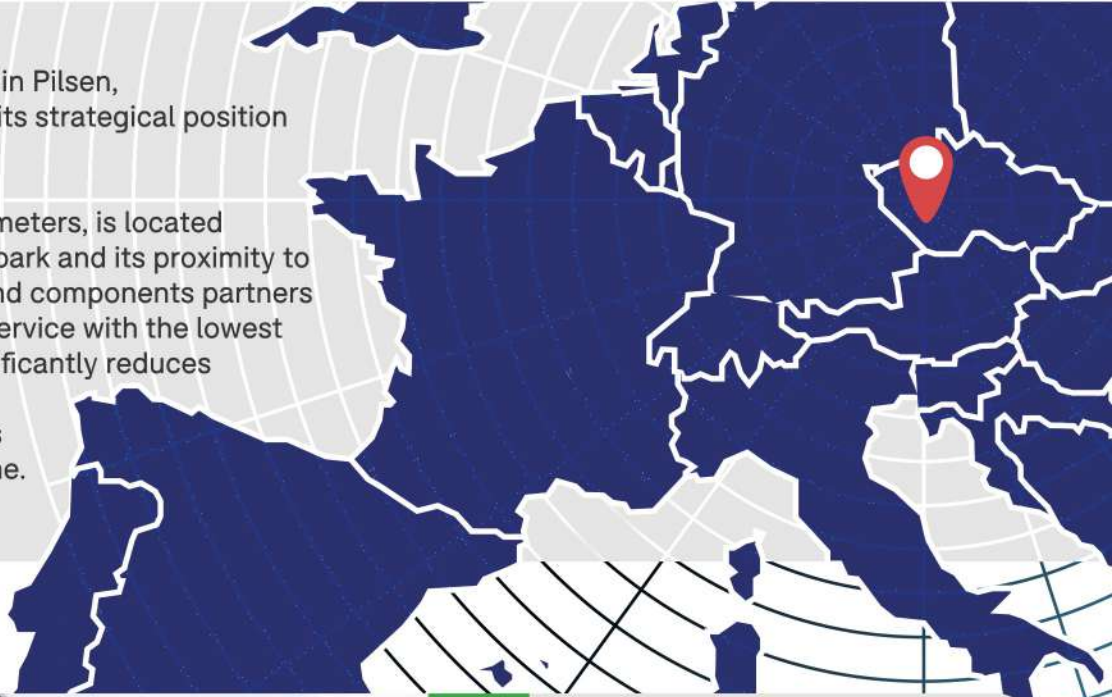
- 3.200 square meters
- Injection machines range from 100 ton to 850ton
- Technologies: 1 and 2 shots injection molding; plastic welding; assembly and automation



In the heart of the Europe

- Techpol CZ s.r.o. is located in Pilsen, Czech Republic, known for its strategic position in the middle of Europe.

The plant, of 3.200 square meters, is located inside the Skoda industrial park and its proximity to the historical automotive and components partners ensures the best possible service with the lowest environmental impact, significantly reduces the logistics costs, ensures the just in time and reduces by 48 hours the delivery time.



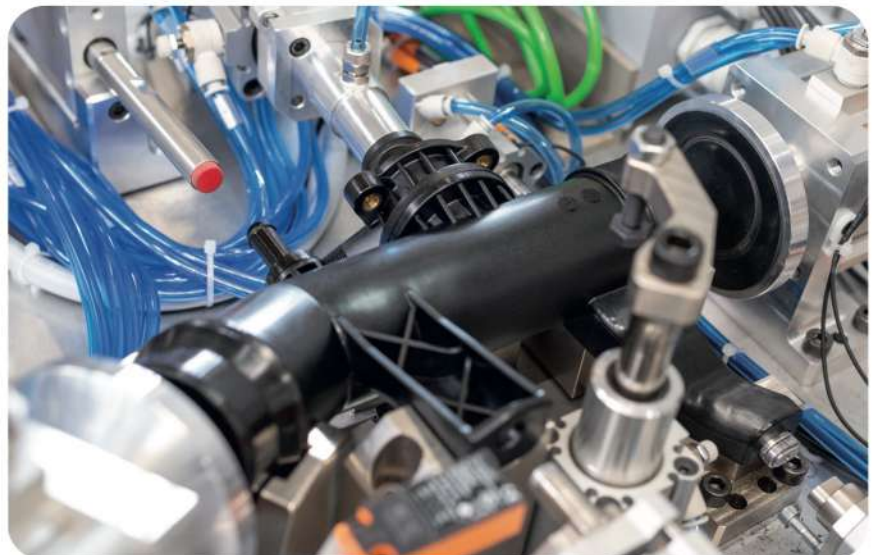
Strategical position
in the middle of Europe
allowing for
shorter delivery times

80% of customers
within 500 km for
the best service
with **minimal**
environmental impact



Czech Headquarters Certifications

- UNI EN ISO 9001:2016
- IATF 16949:2016
- ISO14001:2015
(Target in 2025)



Promote the circular economy

- Techpol has long implemented strategies for environmental protection and increasingly environmentally sustainable production



Waste Reduction and Circular Economy

The rigorous management of production waste which is reground directly next to the press with special granulators and then reused in production



Renewal of the machine park

Replacing hydraulic injection machines with 100% nor electric or ibrid injection machines



Renewable energies

The progressive expansion of already-existing photovoltaic systems



Eco-friendly raw materials

The growing use of eco-sustainable raw materials employed in agreement with the end customer



PRS Green Label Certificate of appreciation

PRS Green Label partners allow to reduce the carbon footprint, reduce packaging waste and promote re-use, while enjoying the benefits of wood pallets from sustainable, PEFC or FSC certified sources

Our commitment to **environment**



-50%

Hydraulic
oil
consumption
of presses



-40%

Power
consumption
of
compressors



-40%

Carbon
footprint
in the last
5 years



~103MWh

Estimated per year
from the installation
of **new solar panels**
in 2025



+95%

Water
savings
on refrigeration
systems

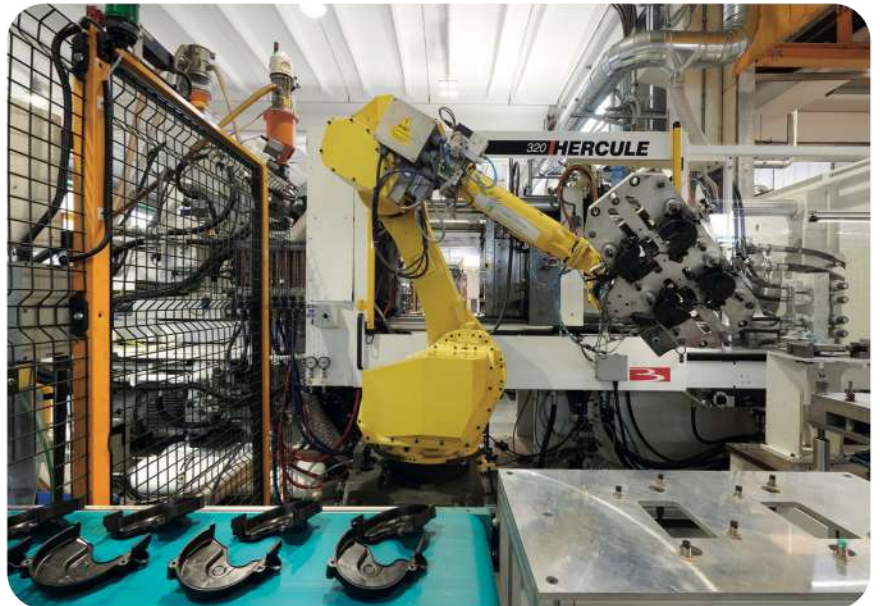
Certifications



- UNI EN ISO 9001:2015
- IATF 16949:2016
- ISO 14001:2015
- TISAX
- ISO 45001:2018
- MOCA managing system
for Food Contact Products according
to regulations (CE) n. 2023/2006,
(CE) n. 1935/2004 and (UE) n. 10/2011

Manufacturing

- 50 injection molding machines ranging from 50 to 450 ton 850 tons (10 of which two- shots injection machines)
- Welding Technologies: Ultrasonic, Linear and Orbital Friction, Hot Plate; Infrared;
- Fully automated or semi-automated assembly systems with integrated measurement control; Leakage test; Laser or mechanical parts marking; Datamatrix; Vision control
- The manufacturing units are designed to comply with the quality, production and reliability protocols required by national and international partners.



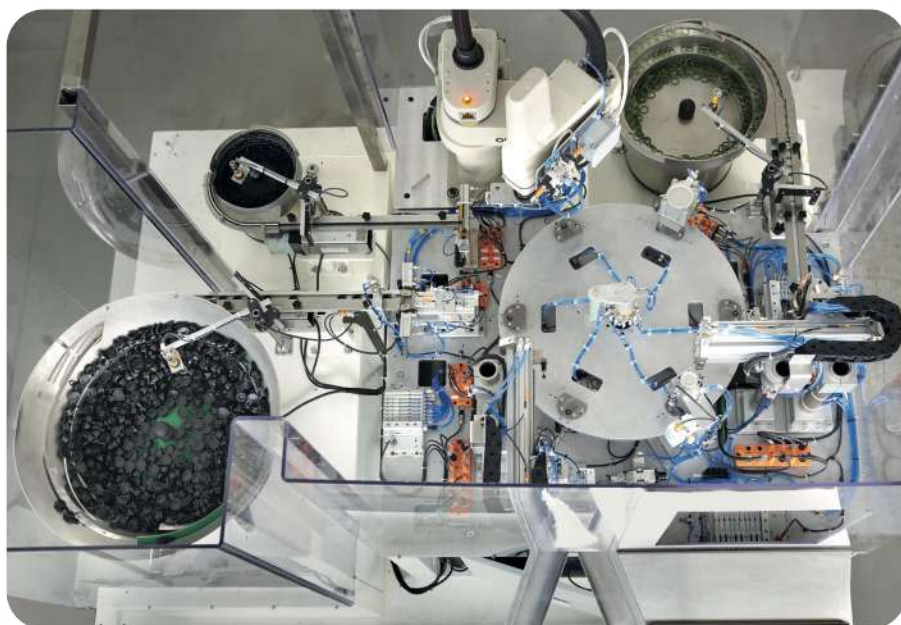
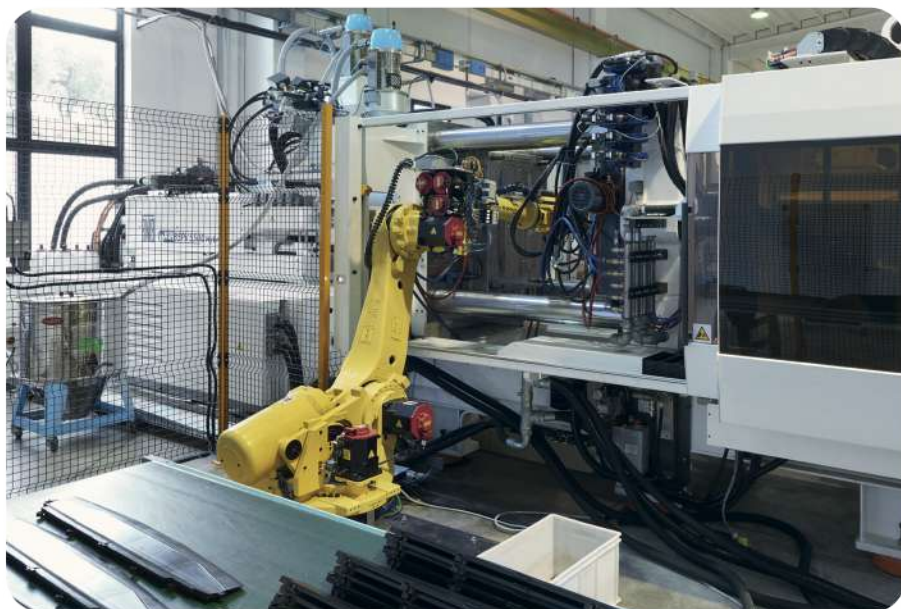
Advanced automation

Design

Techpol has an in-house Automation department with dedicated staff who to designs all automation on the basis of customer specifications, with the ultimate aim of maximizing the return on investment, increase capacity and ensure quality.

Manufacturing

On the shop floor our automation department we make the heavy carpentry of our automations as well as the assembly of pneumatics and electronics. The heart of the automation as well, the programming, is done in-house. With this know-how we are able to cut time to market and increase flexibility.



Production capabilities

Two-shots molding

Techpol has 10 two-shots machines ranging from 250 ton to 850 ton and is producing different parts with co-molded rubber gasket using during different kind of TPEs with chemical adhesion to PP and PA.

Index plate technology is implemented in most of our molds allowing a seamless overmolding.



Insert molding

Thanks to our in-house automation over the years we were able to develop several automatic over-molding processes.

We over-mold high volume production parts with metal and plastic as well as filter mesh and plastic.

Critical features like burrs are controlled with special features implemented in the tooling, and vision control are used often to make sure a consistent quality is delivered by the process.



Plastic welding

Offering in-house capabilities on four Welding-Technologies (Ultrasonic, Linear and Orbital Friction, Hot Plate; Infrared) Techpol is able to meet different requirements when it comes to joining plastic parts.

We can take into account, geometry, degree of tightness as well as degree of cleanliness expected by the customer.

All our welding operations are supported by quality control as burst tests and by 100% leakage test.



Production capabilities

Assembly

With the support of automatic or semiautomatic machines we are able to assemble gaskets, O-rings, metal inserts, check the right assembly 100% with sensors or vision control. Very often assembly process is integrated with welding process.



GAS and Projectile Injection Technology (GIT-PIT)

Gas-assisted injection molding can be implemented for parts where high wall thickness and connected sink marks must be avoided; with this technology and with sister technology, projectile injection technology – it is possible to produce pipes with complex form.



Metrology and test laboratory



Zeiss OI-442



Zeiss Contura

Techpol Quality Laboratory can boast high-tech machines with notable range of operation, and high-end technology when it comes to multi-sensor measuring machines.

Using a machine like the Zeiss Contura or O INSPECT 442 in our laboratory allows us to optimize quality control as well as inspection of new parts to give reliable results both to production and to customers especially in the project development phase



ATOS CORE Professional



**Modular rheometer
Anton Paar MCR 102i**

Along metrology equipment our Lab can test raw material both as granulate as on finished part (after processing) with a number of machines among which:

- ovens (for aging and impulse test)
- Vicat HDT
- IR Spectrometer
- DSC
- Analytical and Thermogravimetric scale
- Melt flow
- Charpy
- Dynamometer
- Glossmeter

Applications

Electronics

Oil guides, baffle plates, pipes, filters for oil circuit of e-transmissions;
Power cable covers, brackets, connectors, covers for electric
power supply and car electronics



Electric drive unit

Power cable covers, brackets, connectors, covers for electric power supply and car electronics



Applications



ICE parts - Engine Parts

Timing chain covers with co-molded or assembled gasket, air intake ducts, turbo charger resonators, oil baffle plates, tanks, oil suction pipes, timing chain guide and tensioners



Cooling conditioning - ICE and E-mobility

Connectors, pipes, pump covers for cooling ICE motors and E-motors.
Variable shape and dimension; High technical requirements
(surface roughness, cleanliness, absence of burrs);
Assembly of gaskets – o-rings – metal bushings



Front end/chassis - ICE and E-mobility

2K parts for air intake in tradition motors as well as 2K parts for Chassis;
latch cover, A and B pillar covers





www.tech-pol.com

Italy

Techpol Srl
Zona industriale P I P
Loc. S.Amico
60030 Morro D'Alba (An)
P.IVA: 01321610428

(+39) 0731 618311
info@tech-pol.com
www.tech-pol.com

Czech Republic

Techpol CZ s.r.o.
Skvrňany 1256 - PSČ 318 00
Areál Škoda
budova č.337 Plzeň 3
VAT: CZ05178517

(+420) 377 010 090
info@tech-pol.cz
www.tech-pol.cz