TCH Group overview

Turbocharger/Powertrain focus and production excellence

• Sophisticated technological know-how and design capabilities with proven expertise and experience in product design & optimization

Manufacturing footprint

• Strong manufacturing footprint in South-Eastern Europe and the EU
• Highly cost effective labour and low logistic costs all over Europe
• Focus on plant efficiency, cost control and capital expenditure budgeting

Strong Customer Base

<table>
<thead>
<tr>
<th>Tier 1 automotive suppliers</th>
<th>Original equipment manufacturers (OEM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BorgWarner Turbo Systems</td>
<td>Honeywell</td>
</tr>
<tr>
<td>Magna Steyr</td>
<td>RENAULT NISSAN</td>
</tr>
<tr>
<td>BorgWarner Turbo Systems</td>
<td>Audi</td>
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<tr>
<td>HELLA</td>
<td>MAN</td>
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<tr>
<td>Magna Steyr</td>
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</table>

Let's make things happen, stay motivated . . . running ahead!
Cimos overview

Business overview

- Cimos is a **highly acclaimed automotive supplier** founded in 1972. It operates as a Tier 1 and/or Tier 2 supplier to main automotive manufacturers. Cimos consists of two divisions – **Turbo and Powertrain** and currently produces in **10 plants** certified with **IATF 16949 (ISO/TS)** located in Slovenia, Croatia, Bosnia and Herzegovina and Serbia. Its main technologies employed are forging, casting, machining and assembly.

- Cimos was **acquired by Palladio Holding** in 2017 and become part of **TCH Group**.

Historical milestones

- **1972**
  - Cimos founded by Citroen, Iskra and Tomos

- **1984-1989**
  - Establishment of R&D activities and Breakthrough on international market as an automotive supplier

- **1998**
  - Entering Turbocharger business

- **2001-2010**
  - Intense investments in production equipment and acquisitions

- **2015-2017**
  - Reorganization of the Group, focusing on improving group’s performance

- **May 2017**
  - Cimos acquired by Palladio Holding – TCH Group
Cimos Group industrial footprint organization

CIMOS locations are giving you the benefit of highly cost effective labour and low logistic costs all over Europe.

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Cimos Business overview

**Business lines**

- Turbo
  - Nozzles (VTG)
  - Back plates
  - Central housings
  - Compressor housings
- Powertrain
  - Accessory brackets
  - Engine brackets
  - Flywheels
  - Steering parts
  - Brake discs & drums

**Main customers**

- Audi
- BMW
- Aston Martin
- Bentley
- Ford
- Citroën
- Peugeot
- Volvo
- Renault
- Nissan
- Porsche
- Mini
- Honeywell
- Borg Warner Turbo Systems
- Magna Steyr
- Deutz
- Continental

**Production technologies**

- Aluminum casting
- Grey iron casting
- Forging
- Heat treatment
  - Welding
  - Machining
  - Assembling

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Cimos Business lines

Turbo systems

- **Core technology**: centrifugal steel casting, hot forging, aluminum high pressure die casting, aluminum low pressure die casting, aluminum gravity die casting, steel casting, grey iron casting, CNC machining, assembly
- **Business model**: built-to-print & DFM engineered components, Tier 2 position, strategic supplier, mainly single sourcing contracts
- **Value chain/production**: casting in 4 plants, forging in 1 plant, machining in 6 plants, assembly in 5 plants

Powertrain

- **Core technology**: aluminum high and low pressure die casting, aluminum gravity die casting, grey iron casting, hot forging, CNC machining
- **Business model**: mainly engineered products-full service provider, Tier 1 position, strategic/preferred supplier, more than 50% single sourcing contracts
- **Value chain/production**: casting in 4, forging in 1 and machining in 5 plants
We have been working intensely on development of components for new generation turbochargers which, to deliver high charge-air pressures, require **new knowledge** mostly in the area of **more complex materials** and **production processes** for their preparation.

These components **drastically reduce fuel consumption and engine emissions**.

More than 14m units of Turbo parts produced per year for the biggest turbo producers in the world.

CIMOS is one of the largest European manufacturers of Turbo components.
Powertrain

Multi-faceted expertise

- **Knowledge and skills** gained in the past successfully completed projects;
- **In-depth understanding of the industry trends** and customer requirements and expectations;
- Proficiency in all phases of the process that will lead to new products from the concept to mass production;
- **Evaluation of potential risks** and suggestions for working out new solutions to avoid risk exposure;
- Constructing a product with focus on:
  - **minimum resources** to manufacture the product,
  - achieving **cost efficiency**, 
  - leaving **no room for problems** to arise in relation to the production, 
  - define the process and deliver **high quality**.

Almost 12m units of Powertrain parts produced per year for the gasoline, diesel and electric engines.

CIMOS boasts with decades of experience in engineering and manufacturing of Powertrain parts with a broad range of products.
The company has developed a strong process specialization and competencies on a complex sequence of manufacturing activities.
Cimos' references

Audi
BMW
ASTON MARTIN
BENTLEY
Ford
PSA PEUGEOT CITROEN
Volvo
RENAULT NISSAN
Porsche
MINI
BOSCH
Honeywell
BorgWarner Turbo Systems
Bosch Mahle TurboSystems
Magna Steyr
ZKW
DEUTZ
ZF
TRW
nolicom
Continental
ROTAX
Zimmermann

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