VACUUM DIE CASTING
FROM YOUR IDEA TO THE FINAL PART

Over 5’000 achieved projects.

Worldwide technical support.

70 years dedicated to vacuum assisted casting.
**ADDED VALUE**

- Increased productivity
- Reduced reject rates
- Proven quality and reliability
- Easy integration and operation

**YOUR PARTS IMPROVED**

- Significantly less porosity
- Increased density
- Refined surface quality
- Enabling heat treatment & welding
1. Half cylinder block 3-cylinder motorcycle / BMW AG
2. Hydraulics control unit for gearbox / METALLWERK FRITZ DEUTSCH GmbH for MERCEDES-BENZ AG
3. Cylinder block 4-cylinder motor block / BMW AG
4. Shock tower / ALBERT HANDTMANN METALLGUSSEINKER GmbH & Co.KG for BMW AG
5. Door handle locking armature truck / SCHLIEPER Ges.m.b.H for VOLVO TRUCK CORPORATION
6. Car body element / DGS DRUCKGUSSE KOMM. AG for AUDI AG
Vacuum application studies are the matrix for a good technology integration into your process.

With over 1000 customers in 55 countries, Fondarex is the design specialist in gating systems and vacuum channels.
HOW TO DEFINE YOUR VACUUM STRATEGY

MOBILE
- Transportable from DCM to DCM
- Compact unit, convenient to use and easy to maintain
- Ideal for DCM up to 3'000t

CELL
- Fixed solution, optimized cell integration
- Separated tank/pump, electro/pneumatic cabinet and control panel, for an accurate operating configuration
- Recommended for high-end projects on DCMs up to 5'500t

CENTRAL
- Fixed solution, with a centralized tank and pump stand for all DCMs
- Separated electro/pneumatic cabinet and control panel close to the DCM
- Advised for a defined die cast part range produced on multiple DCMs of similar sizes
FONDAREX HIGHVAC

PROGRESS / PREMIUM / ULTIMATE

Proven reliability, efficiency and flexibility make the Highvac series the benchmark in vacuum systems worldwide.

Foundries trust our technology and know-how, inspiring us to always go one step further.
FONDAREX MODULAR

Smarter than ever. We developed a new concept in vacuum die casting.

The Fondarex Modular provides intelligent and precise vacuum process control.

We call it Modular, because of its unique ability to cater for your specific requirements.

Hyper user friendly, thanks to a new intuitive interface and integrated communication system.

HIGHLIGHTS
Modular / Mobile
Upgradable / Updatable
Compatible with any DCM
Integrated Communication
Industry 4.0
FONDAREX ONE

The best way to start your journey in the world of vacuum die casting.

Do it yourself from installation to production.

Simple to use and maintain.

Servicing DCM up to 1'000t.
<table>
<thead>
<tr>
<th>MOBILE</th>
<th>CELL</th>
<th>CENTRAL</th>
<th>MOBILE</th>
<th>CELL</th>
<th>CENTRAL</th>
<th>MOBILE</th>
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<th>CENTRAL</th>
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<tbody>
<tr>
<td>TANK [l]</td>
<td>200</td>
<td>500</td>
<td>800</td>
<td>1'000</td>
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<td></td>
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<td>500</td>
<td>800</td>
<td>1'000</td>
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<tr>
<td>PUMP [m³/h]</td>
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<td>60</td>
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<td>Higher grade functions</td>
<td>Higher grade functions</td>
<td>Higher grade functions</td>
<td>Higher grade functions</td>
<td>Higher grade functions</td>
<td>Newly designed visualisation, intuitive controls</td>
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<td>VACUUM REGULATION</td>
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<td>Internal log data</td>
<td>Internal log data</td>
<td>Data communication</td>
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<td>×</td>
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<td>✓</td>
<td>At any given time</td>
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<td>0.8 x 1.3</td>
<td>0.8 x 1.3</td>
<td>0.8 x 0.3</td>
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<td>DCM [l]</td>
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<td>Up to 1'400</td>
<td>Up to 2'000</td>
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<td>Up to 4'000</td>
<td>Up to 5'500</td>
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<td>Up to 1'400</td>
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<tr>
<td>TYPE OF DIE CAST PROJECTS</td>
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<td>Standard parts</td>
<td>High-end parts</td>
<td>High-end parts</td>
<td>High-end parts</td>
<td>Structural parts</td>
<td>Structural parts</td>
<td>All parts</td>
<td>Standard parts</td>
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</tbody>
</table>
7 decades of continuous engineering have made our Supervac valves the industry standard.

Experience our mechanical system to achieve superior quality in your end-product.
FONDAREX
CHILL-BLOCK

The aerodynamic profile of our Chill-Block SCS ensures fast and compact alloy solidification.

No cooling system required.

Simplicity as ultimate sophistication.
Our experienced engineers provide support at your production sites.

From the mold conception, installation, training to the maintenance, your continued satisfaction is our main goal.

THÉO COUTURIER
Senior Technical Engineer
Fondarex was initially established as a die-casting foundry in Montreux in 1946.

Six years later, we produced the first vacuum system and the era of vacuum die casting began.

Over the years, our developments put a mark on the vacuum die casting industry.
The pioneer and worldwide leader in vacuum technology for high-pressure die casting.

Our Swiss manufacture works with 95 local suppliers and assembles each unit by hand, according to your requirements.

Swiss Made is our identity.