



Bühler
Die Casting
Services.
**Expertise you
can rely on.**

Meeting your die casting challenges. **People you can trust.**

Reaching for higher profitability requires improved productivity, quality, and uptime of your production systems. To be successful, you need a stable manufacturing process, with carefully matched operations.

Why Bühler Service?

Modern die-casting systems are exposed to permanent performance pressure and are often in service on a 24/7 basis. This places very high demands on your people and machines.

Now more than ever, it is vital that you have expert support available to provide preventive maintenance, local service, speedy repair and replacement, consultancy and training.

At Bühler, we have more than 100 service stations worldwide, with over 200 die-casting specialists. They are fully trained to understand your process and application, as well as the technical intricacies of your cell.

Every one of our service experts is committed to helping you meet your production goals, today, tomorrow and long into the future.

North America

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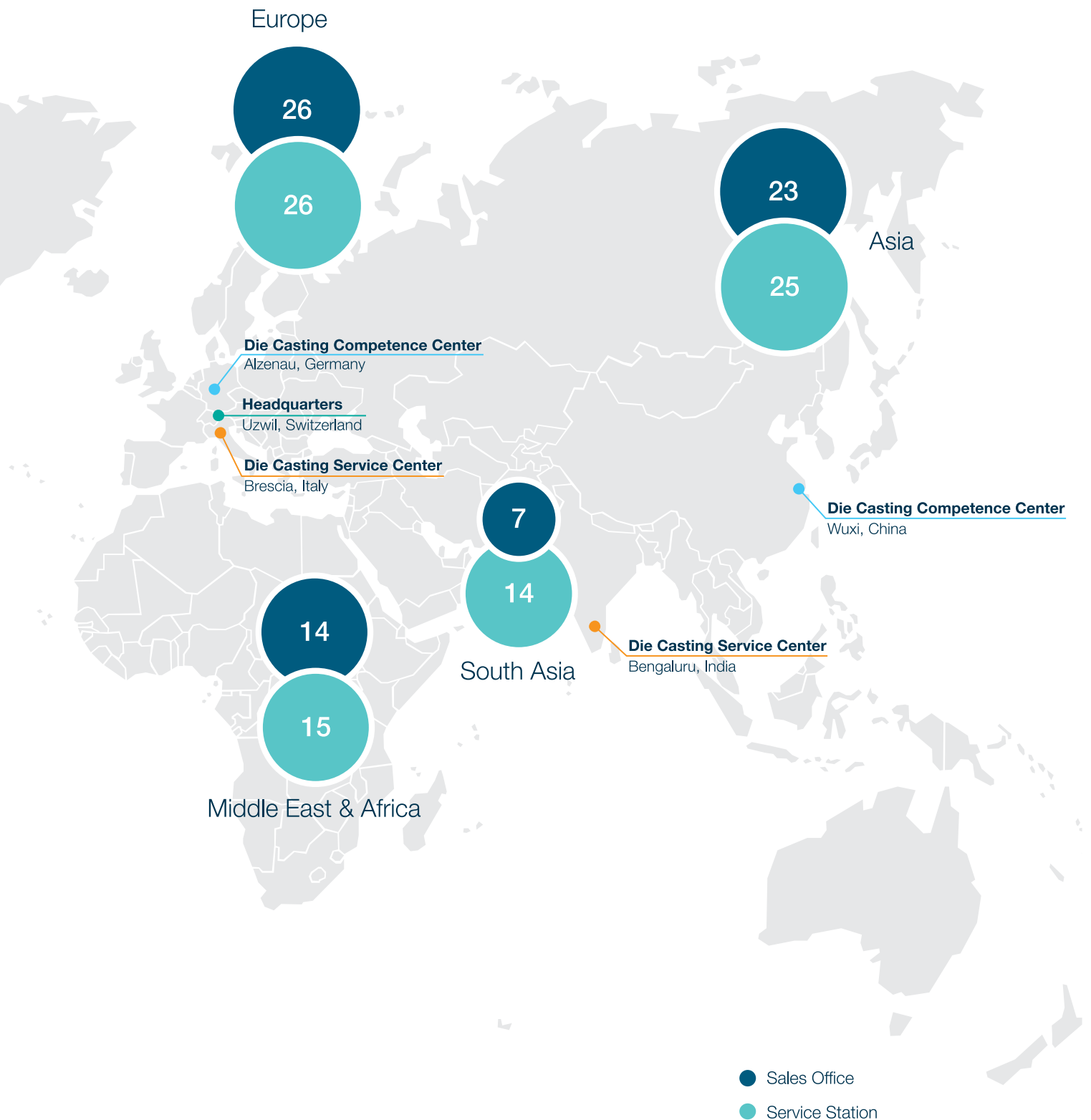
Die Casting Competence Center
Holland, Michigan, USA

South America

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**Bühler is represented in over
140 countries with more than
13,000 employees.**



Best practice from around the world. **Personalized for you.**

We can share best practice and innovation from around the world, whilst tailoring a personalized service for your application, your people and your immediate challenges.

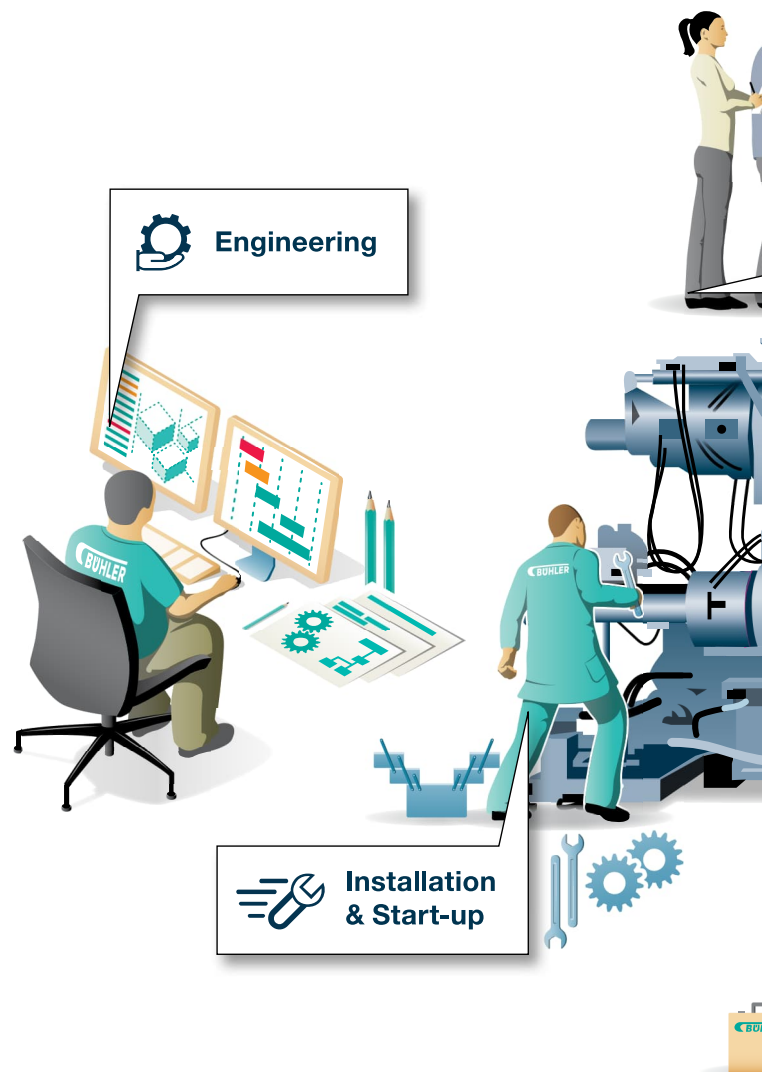
Global reach. Tailored solutions.

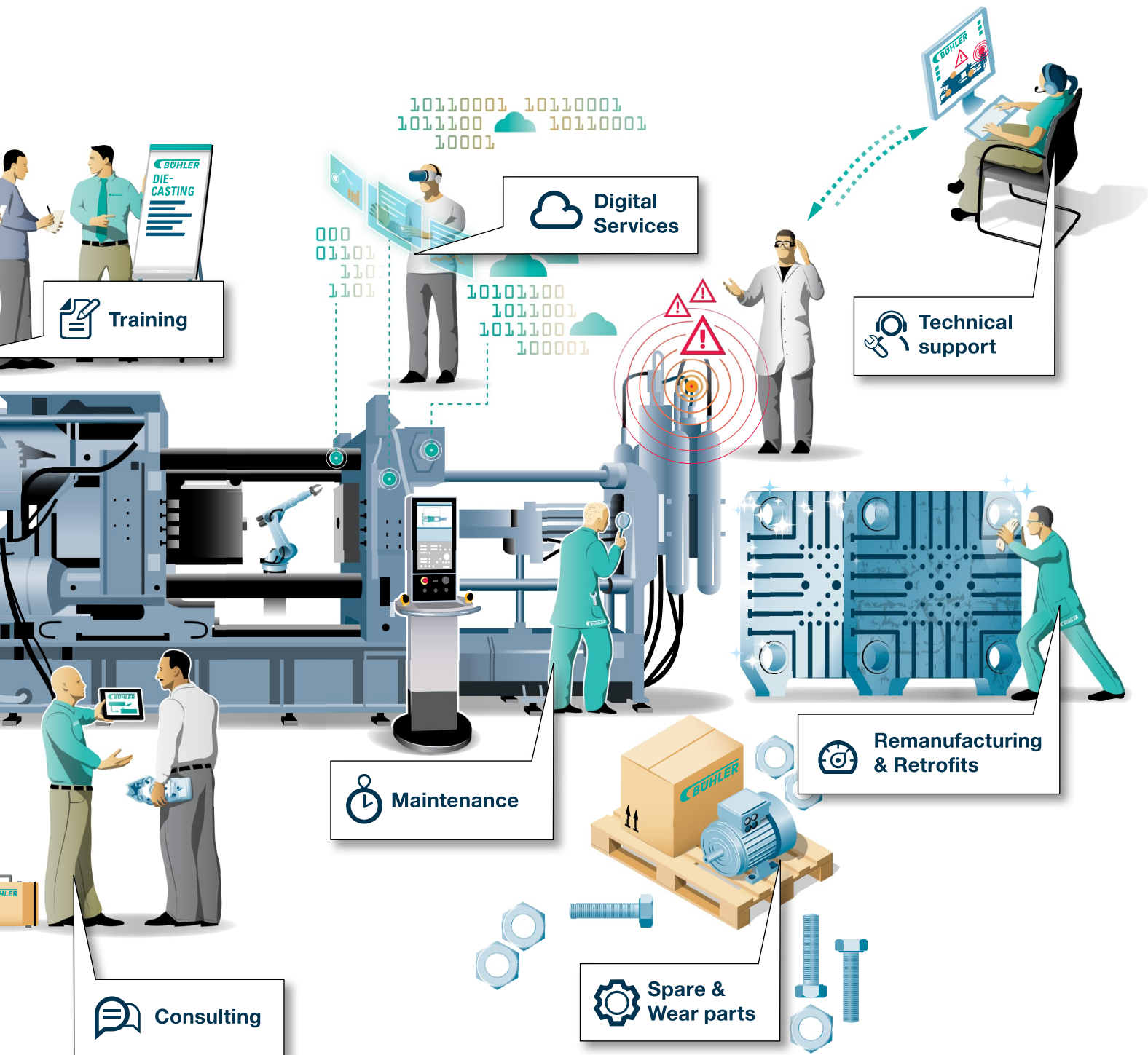
As a global leader, we can support you with the best preventive on-site maintenance and spare parts management to critically enhance your production. Our trouble-shooting experience is unrivaled and we can help you to optimize production system settings to achieve quality and quantity targets in the most efficient way.

We know that no two die-casting applications are precisely the same. That is why we create individual service, consulting and training packages tailored to your specific needs.

With us, you benefit from:

- Experienced project managers for optimal project handling
- On-schedule delivery and start-up
- Tailored service offering, based on your specific needs
- Individual training and knowledge transfer





Expert engineering and project management. **Fast integration into your plant.**

Our engineering team can support you all the way, from the specification of your die-casting solution to a fast and smooth integration into your plant and processes.



Experienced engineering.

Careful system design.

We can help you with your individual casting cell layout – determining the machine size, optimal automation solution and cycle time analysis that will work within your factory footprint, access points and existing production systems.

Process integration.

Your solution may need to work seamlessly with other processes. We can help integrate your die casting cell into smart plant concepts, analyzing your needs, running robot simulations for optimized processes and writing robot programs.

Special-purpose solutions.

Our experienced engineers can work with your team to create bespoke solutions, if your specific application requires it.

Professional project management.

From initial engineering to fully commissioned on-site production, we will manage everything. This includes taking responsibility for the project timeline and coordinating all relevant suppliers to guarantee delivery of your bespoke solution to the planned timescales.




Fast installation and start-up.

All of our engineering know-how will be focused on getting your production up and running on time, as quickly as possible.

While working with your team, we will take responsibility for project planning, scheduling and construction site management. We will ensure smooth integration with peripheral equipment and oversee professional start-up, inspection and approval of your entire cell.



A man with glasses and a woman are looking at a large industrial machine. The man is pointing at a control panel on the machine. The woman is smiling and looking at the camera. The machine has several hoses and pipes connected to it. The background is a plain wall.

**We can help your
people to get more
from your machines
and peripherals,
and to improve your
overall process.**

Getting more from your cell.

As the demands for higher quality and faster production continues, the knowledge and ability of your operators and managers can make a crucial difference.



Benefit from our trainings.

Training at our competence centers.

Our competence centers in Uzwil (Europe), Holland (USA) and Wuxi (China) offer your people a unique opportunity to learn how to get the most from your Bühler cell. They can explore best practice solutions from around the world and see the latest technological developments in action.

Training at your premises.

Our experts can visit your premises to conduct training for your operators and maintenance crew tailored to your installation and the specific challenges you face.

Blended learning options.

We can create a blended learning experience to suit your needs, covering anything from machine training to peripherals and process, technology or management issues. We can focus on theoretical fundamentals, practical applications or extensive knowledge transfer in your specialist area.

E-Learning.

To support and enhance our hands-on training sessions, we also offer a convenient and flexible E-Learning package. Developed by our experienced die-casting tutors, our E-Learning is arranged in popular topics and guides your people through a series of modular learning experiences.

Consultancy and Digital Services.

Targeting productivity & OEE.

Nothing ever stands still. Our global application team can help you and your people to continually drive productivity.



Consulting and testing services.

Fine-tuning your production processes.

We understand that process optimization is crucial. Our experienced experts can help you to systematically fine-tune all of your production processes, including infrastructure, materials, risks and personnel.

Our aim is always to improve your OEE by helping you to reduce your operating costs and increase your overall competitiveness.

Testing and exploration.

You can use our competence centers for application-specific trials, zero series and samplings to help improve your processes. Your people can experiment on different machines with a range of process optimizations, troubleshoot specific issues and run casting trials and simulations, without interrupting your own production cycles.



Digital Services.

Digital Services.

All Bühler machines have IoT capability built-in. Our experts can help you to adopt IoT applications to drive up quality and reliability, and reduce costs and downtime. Bühler equipment is ready for your smart factory.

Die Casting Dashboard.

Our Die Casting Dashboard displays real-time customized KPIs for your machine, foundry and plant, at any time. Digital charts, graphs and dials can inform your operational, maintenance, and management decision-making, helping to improve your OEE.

Predictive Analytics.

Predictive Analytics is a cloud-based, IoT die-casting solution that uses data analytics to increase OEE by reducing unscheduled downtime through predictive maintenance.

Downtime Analysis.

Machine failures lead to a loss of efficiency, energy, and productivity and may severely impact your bottom line. Our Downtime Analysis enables your machine operator to determine the cause of any interruption and whether it is due to a machine failure, human error, or a defective peripheral. In addition, it gathers long-term data on all downtimes in your production process, providing invaluable insights for troubleshooting and improvement.



Proactive maintenance solutions. **Optimizing uptime.**

Our tailored maintenance and preventive inspection services are all designed to optimize uptime, helping to keep your processes running, maintain product quality, improve safety, reduce environmental impact and protect your investment.



Proactive maintenance solutions.

Maintenance contracts.

Our maintenance contracts ensure that our experts properly protect your cell, and its peripherals.

Your tailored maintenance contract can cover everything from troubleshooting, remote diagnostics and system settings, to repair and replacement, and spare parts stock recommendations.

We will work with your maintenance personnel to ensure they understand the key issues with your application and provide detailed reporting at agreed intervals.

Preventive maintenance.

Preventive maintenance can give you full confidence in your cell availability, minimizing unscheduled downtime, increasing your cell uptime and giving you a longer cell lifetime.

Tailored programs include a thorough inspection of the technical condition, the fine-tuning of your machines, and, if necessary, the exchange of worn parts. An inspection report will ensure that you are always well-informed of the state of your machines and are clear on potential investment needs for the future.

Global support and spare parts. **Always there for you.**

20'000 individual components with a value of **>30 million CHF** available to you.

>85% same day delivery.

24/7

global support.

Over **60 people** in the die casting spare parts business at your service in **over 20 service stations** around the world.



Technical support, 24/7.

Whether you call with a problem or you need us to remotely connect with your cell, there is always a qualified Bühler specialist ready to respond, day or night.

Working from more than 20 service stations around the world, we are never far from your site; ready to provide fast intelligent interventions online or at your premises, as required.



Stocking the parts you need.

We keep a high inventory of quality spare parts in convenient locations around the world, ensuring fast delivery when you need them most.

Our original parts will support your warranty conditions and are designed to provide extended lifetime in even the toughest applications.



Remanufacturing and Retrofits. **Protecting your investment.**

A retrofit, remanufacturing or overhaul of your machine can extend its life and increase your productivity. We can help you choose the right moment.



Remanufacturing and Retrofits.

In our remanufacturing centers, we can update your equipment to the latest technology standard and extend the lifecycle of your machine for higher profitability.

Whether it is a software upgrade, the integration of additional functions or a complete overhaul, our experts will work with you to find the best way to remanufacture your die-casting machine – providing a cost-efficient alternative to new investments.

Upgrades can include software updates, control system upgrades, electrical, mechanical or machine components, and expanded functionality.

Our remanufacturing centers:

Bühler Brescia (Italy)

BuhlerPrince (Holland, USA)

Bühler Wuxi (Wuxi, China)



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