GLASS.
TECHNOLOGY.
PASSION.

High-Tech for the Glass Industry
Dear customer,

You are about to enter the world of ZIPPE.

ZIPPE Industrieanlagen, as an independent family company, is serving the International Glass Industry for almost 100 years.

From the beginning we have been dedicated to the task to design and manufacture plants and machinery for our customers that help to create optimal melting material for fascinating glass products.

This is our desire and still we are enthusiastic about it - now in the 4th generation.

Over decades we have seen many changes and improvements in the glass industry, which we have also shaped to some extent by developments that were ahead of their time.

To name a few we think of the first batch chargers, the first fully-automatic batch plants for the glass industry, the first internal cullet return systems, the first batch preheating systems and most modern process control systems including plant-wide automation concepts nowadays.

Our aim is to continue to provide innovative, outstanding and economic solutions for our customers which help to secure your success and sustainability.

To achieve this, our highly qualified and motivated team is working closely together with you, our customer.

We look forward to meeting you!

Yours sincerely,

Dr. Philipp Zippe

Günther Mlynar
THE FASCINATION FOR GLASS

Our core business is the development and construction of batch and cullet systems. Our particular expertise and all our passion lie herein. As one of the pioneers in our branch of industry, we were involved in key developments in the glass industry from the very outset. It is for good reason then that our name is being used in many countries as a synonym for different technologies in the batch and cullet processing sector – “It’s a ZIPPE.”

PARTNER TO THE INDUSTRY

We regard ourselves as a reliable partner to our customers and have at our disposal the expertise and capabilities to deliver projects of any magnitude. At the same time, our customers hold in high regard our flexibility with which we are able to respond quickly to different requirements and current trends with the appropriate portion of creativity and innovation spirit. This has made us a preferred supplier for industry leaders.

As one of the few full-service providers in our industry, our spectrum covers all service ranges within plant construction – engineering, planning, design, production, automation technology, installation, site management for all disciplines, commissioning, training for your personnel, and services for ongoing operation.
FROM WERTHEIM TO THE WHOLE WORLD

The Company

FROM A METALWORKER’S WORKSHOP ...

Following the formation of the company in Haida, North Bohemia, a well-known glass making region, with subsequent relocation of the company to Wertheim am Main, Germany, 1953 saw the foundations laid for ZIPPE’s activities in the glass industry. Back then, Alfred Zippe Jr. developed the first fully automatic batch charger for a glass manufacturer based in Wertheim. Many decades have passed since. Now we are one of the world’s leading suppliers of state-of-the-art, powerful batch and cullet plants, and ensure that glass producers around the globe are able to manufacture high quality glass batch reliably and economically.

... TO A COMPANY ON THE INTERNATIONAL STAGE

With six subsidiaries and 30 representatives across the globe, we have representatives in all key markets in the glass industry.

Every project bears with it new challenges – and no technical solution is alike. Difficult? We don’t think so, quite the opposite in fact. The more tricky the task at hand is, the greater is our ambition to find a tailored and cost-effective solution.

ZIPPE SUBSIDIARIES:

1. ZIPPE Industrieanlagen GmbH . Germany
2. Mügelner Maschinenbau GmbH . Germany
3. ZIPPE Italia s.r.l. . Italy
4. ZIPPE Ltd. . Great Britain
5. ZIPPE Polska Sp. z o.o. . Poland
6. ZIPPE Glass Industries India Pvt. Ltd. . India
7. ZIPPE Technology Beijing Co. Ltd. . China
8. ZIPPE office . Singapore

Countries in which ZIPPE has representations
We deploy the very latest in technology as early as the planning phase for your batch system. Our 3D design is state-of-the-art and the prerequisite for efficient and precise planning. It facilitates smooth processes on site and is a prerequisite for adhering to deadlines.

Our task is not complete until you are satisfied.
HIGH QUALITY GLASS REQUIRES HIGH QUALITY BATCH

ZIPPE batch plants ensure that the batch for every glass type is fed fully automatically into the furnace with the exact consistency and homogeneity needed, at the required amount and at the right point in time – 24 hours a day, every day.

YOUR SYSTEM EXACTLY TO SIZE

Our teams of experts ensure smooth and on-schedule realisation of every order – also as turnkey solutions if so required. Globally leading companies are placing their trust in our expertise – and we are channelling all our efforts into continual development, innovation and safety so that this remains the case in the future.
INNOVATIVE & SOLUTION-ORIENTED

Batch Plants
Rising energy costs mean production processes in glass production must be made as efficient as possible. One way to save costs is to use the waste gases from the melting process to preheat the batch and cullet. This enables a reduction in the melting energy requirement between 10 and 15%. At the same time, CO₂ emissions can be reduced considerably and the capacity of the production can be increased. A batch preheater can be planned as an integrated element of batch processing, but also as a retrofit later. As a pioneer of this technology, ZIPPE has been continually refining this technology and is able to offer the most advanced state-of-the-art systems.
State-of-the-art control technology is a key part of the optimal operation of a batch plant. After all, it is responsible for the efficient, reliable and reproducible operation of a system.

It is for this reason that we attach very special significance to the development of powerful software and hardware systems. Nearly 50 of our employees are realising next generation automation and control systems. This means we are one of the few companies able to carry out complete control development and realisation in-house.

This is the only way we are able to guarantee customers tailor-made and flexible solutions, and subsequently to provide the speedy and effective support expected of production companies today.

Our 24-hour support service enables our customers to phone or email an expert around the clock, who is granted access to your control system online once a secure connection has been established.

ZIPPE is thinking ahead: Convenient control of your batch plant from your smartphone or tablet.

ZIPPE batch plants are equipped with the newest control systems on the market. Their numerous practical functions mean every system can be specifically tailored to the requirements of our customers. If required, even entire plants can now be monitored and controlled from mobile devices such as tablet PCs with the help of innovative user interfaces.
07. Batch Charging & Glass Level Controlling

EXACT MEASURING, AUTOMATED CONTROL

Highly advanced measurement systems ensure exact and reliable determination of the glass level in the furnace during the melting operation. If the glass level sinks below a specified level, a signal is automatically relayed to the batch charger that then ensures new molten material is fed to the furnace.

WELL-ENGINEERED DOWN TO THE SMALLEST DETAIL

Everything started with the construction of batch chargers for the glass industry. And we are still manufacturing batch chargers to this day. Many years’ experience, production quality and ongoing innovations are reflected in many details of our machines.

It makes no difference as to the type of glass or furnace, glass manufacturers all around the globe are praising their reliability and efficient furnace feeding.
Glass waste collected externally cannot be simply fed back into the production process. Rather, it must be conditioned such that it complies with the purity and particle size regulations of the glass industry. We design, supply and build complete post-consumer glass processing plants, or provide the conveying technology and engineering skills.

Post-consumer glass processing plants normally include conveying, crushing, screening and sorting technologies (e.g. CSP, all-metal, colour sorting).
Looking to increase the productivity of your plant or reduce costs? The modernisation of a plant can be a sensible alternative to a new investment.

Our supervisors working for you

DEPLOYMENT ACROSS THE WHOLE WORLD
Our supervisors and project engineers are realising projects across the globe. For steel structures and buildings, we work closely with local providers and engineering consultants. Core components are installed on site by our experts who have undergone specialist in-house training. Our customers benefit from their many years’ experience on most diverse construction sites across the globe. In parallel, our software specialists provide support for the control systems providing smooth interaction between mechanics and electrics.

WHEN PLANS TURN INTO REALITY

Installation & Commissioning

MODERNISATION – TO ENSURE THAT YOUR PLANT IS ALWAYS KEPT UP TO DATE

We highlight in detailed personal discussions all of the issues, such as your infrastructure, economical requirements, the technology to be deployed, deadlines and costs.

Our specialists take a close look at your plant and then propose a concept tailored to your very own needs. Important issues such as operational reliability are also taken into consideration.

Our experience means we are able to leverage strategies that reduce to a minimum the effective downtimes of your plant, or even avoid them altogether.

Our services in all aspects of system modernisation and expansion mean we are able to assist you in optimising your batch plant and to bring it right up to date.

INCIDENTALLY, our specialists also carry out modernisation of systems not bearing the “Made by ZIPPE” label.
10. Training & Service

Training of Your Employees

Nothing can replace first-hand information. This is the reason why we pass on our knowledge and experience to you in intensive training sessions. This is the way to learn how to operate your new system perfectly and so to prevent operator errors.

High Levels of Availability and Standby Readiness

Faults must be eliminated in the daily production process. When faults occur however, our service specialists ensure speedy, targeted problem analysis and then immediately take the actions necessary. Customers can use the ZIPPE 24-hour hotline and our teleservice. This way we are able to guarantee availability and standby service at all times – across the globe.

Continual Quality Is Mandatory

We want to offer you, our customers, the best possible quality in all aspects of our business relationship. And to also make this clear in our outward image, we have in use a modern quality management system complying to DIN EN ISO 9001 that is TÜV CERT certified.

Testing of Existing Systems

We also work in parallel with you following the commissioning of your plant. This way problems can be detected before they occur. For this we offer a detailed ZIPPE Plant Check, in which we propose relevant actions and assist you to optimise your maintenance routines. As a result service life of your plant can be prolonged further.
Training In our apprenticeship workshops, trainers pass on their expert and practical knowledge to trainees.

**TRAINING AT ZIPPE**

It is important to us to enable every year new young people to make a start to their careers. We train them to become precision engineers, electronic engineers, technical product designers and industrial administrators.

They are given excellent support by our training managers and engineers – many regional and national winners attest to this.

**IN-HOUSE PRODUCTION**

The production area is over 4,000 m² in size and every day sees the manufacture of batch chargers, scraping conveyors, crushers and other key system components. Most of the production employees have been at ZIPPE for many years and know every bolt and weld seam. This bodes well for the highest levels of quality and reliability.

This is also where our service engineers and supervisors learn their skills for deployment across the globe.

**The ZIPPE scope of services**

1. BATCH PLANTS
2. CULLET PLANTS
3. AUTOMATION
4. MODERNIZATION
5. ENGINEERING
6. FACTORY CULLET RECYCLING
7. GLASS RECYCLING
8. BATCH CHARGING
9. GLASS LEVEL CONTROLLING
10. PREHEATING
11. MAINTENANCE AND SERVICE
IN THE HEART OF GERMANY

Just 50 minutes from Frankfurt Airport, Wertheim nestles in delightful countryside on the beautiful banks of the Main river, and has a historical old town and proud castle.

We look forward to your visit.