

# Advanced batch mixing technology heralds **TEKA MASCHINENBAU** leadership

Being at the forefront of mixing technology for over 60 years now, TEKA MASCHINENBAU GmbH has remained untiring in its dedication to delivering high-quality solutions to the glass manufacturing industry. Renowned for their exceptional quality, reliability and innovation, the company's glass batch mixers are highly-trusted by many of the world's foremost glass manufacturers.

## **A** LEGACY OF EXCELLENCE

With more than a thousand glass batch mixers installed worldwide, TEKA has solidified its position as a key player in the industry. Whether for float glass, containers, solar panels, pharmaceuticals, or industrial glass appli-

cations, TEKA mixers are synonymous with superior performance and longevity.

## **A TRUE ORIGINAL**

At the heart of the company's product line is the world-renowned TEKA THZ turbine-pan mixer, a 'classic' that has become a preferred choice for





demanding glass production environments. Combining simplicity, efficiency and rugged durability, the THZ mixer offers exceptional value with a reputation for delivering outstanding long-term performance. Continuous improvements over the years have refined the THZ into a highly versatile machine, engineered to meet the most stringent demands of glass manufacturers. Whether mixing materials for large-scale glass production or specialized applications, the THZ glass batch

mixer delivers reliable and consistent results.

### **CUSTOMIZABLE FOR ANY APPLICATION**

Available in sizes ranging from 250 to 7,500 litres, the THZ glass batch mixer can be tailored to suit specific production needs. Customers can choose from a variety of wear-resistant liners, discharge gates, and protective hood configurations. Additionally, TEKA offers custom-designed material inlets and a broad range of accessory items

to further enhance the mixer's capabilities.

Key features of the glass batch mixer include:

- Versatility: suitability to a wide array of glass mixing applications
- Efficiency: delivery of outstanding homogeneity with every batch
- Reliability: proven durability in high-demand environments
- Compactness: ideal for retrofitting into existing plants
- Low Maintenance: intelligent design simplifies maintenance procedures

### **BUILT FOR CONTINUOUS BATCHING**

The TEKA THZ mixer is designed to handle continuous batching operations worldwide. Its robust construction includes a protected mixing pan floor and walls, safeguarded by exchangeable wear liners available in various grades, including nickel-poor options for enhanced durability. Spring-loaded mixing arms, adjustable to compensate for wear, ensure optimal performance over time. Such adjustable angles of the mixing paddles maximize mixing efficiency, thereby achieving superior batch homogeneity whilst minimizing wear on the equipment. The drive system, powered by a heavy-duty gearbox and motor, is built to withstand shock loads - further extending the mixer's lifespan.

### **MAINTENANCE-FRIENDLY DESIGN**

TEKA mixers are engineered with maintenance in mind. A central lubrication system for the mixing arms is available - making upkeep especially convenient for larger models. For heavy-duty applications, TEKA offers mixing paddles, wall scrapers and wear guards made from materials like cast iron, nickel-poor cast iron with tungsten-carbide surfaces and polyurethane elastomer (PU).



## INDUSTRY PROTAGONISM



### PRIORITIZING SAFETY AND THE ENVIRONMENT

TEKA takes pride in designing mixers that promote workplace safety and environmental sustainability. The THZ glass batch mixer boasts near-dust-free operation - all thanks to advanced sealing systems that prevent dust from escaping during mixing and discharge. A special rotor seal ensures that no dust accumulates underneath the

mixer, thus safeguarding both employees and the environment.

### INNOVATION IN ACCESSORIES

TEKA glass batch mixers offer a variety of innovative accessories to improve production efficiency. For instance, steam injection through rotating lances ensures optimal steam distribution throughout the batch, while

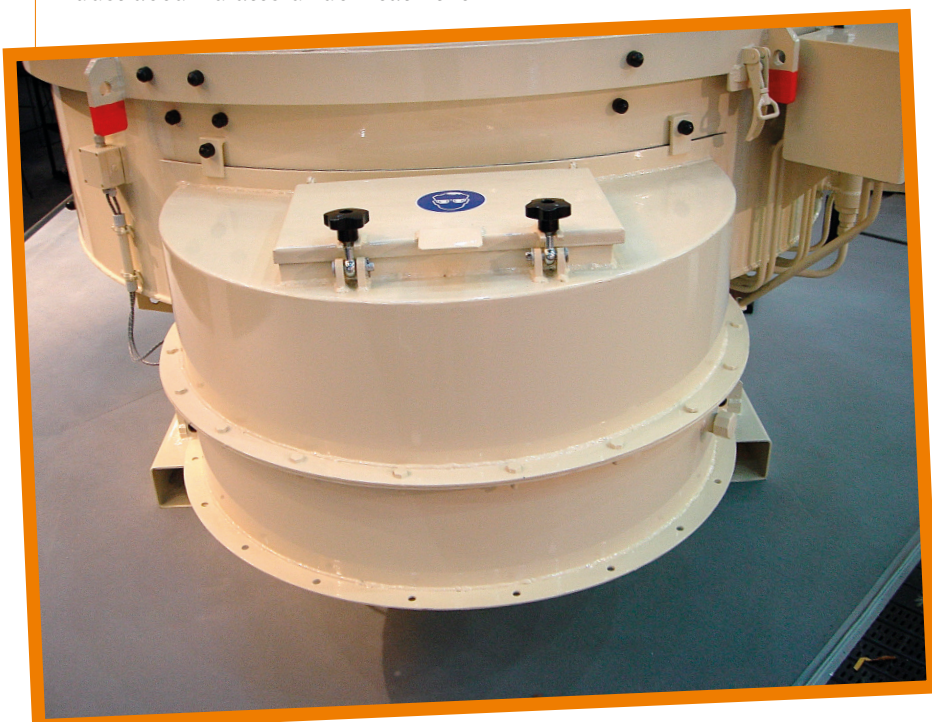
the mixer's ability to double as a weigh bin when mounted on load cells adds to its versatility.

### COMPREHENSIVE AFTER-SALES SUPPORT

TEKA's commitment to its customers extends far beyond the initial sale. Its dedicated after-sales service includes a reliable and timely spare parts supply, as well as technical support from a team of highly-trained technicians. The company's field service technicians, backed by years of expertise, provide on-site training for local plant operators to ensure smooth and efficient operation of the equipment.

### COMMITMENT TO CONTINUOUS IMPROVEMENT

At the core of TEKA's philosophy is its dedication to continuous technological progress. Thanks to a focus upon energy savings, work safety and long-lasting performance, the company remains a leader in the evolution of glass batch mixing technology. With decades of industry expertise, a reputation for uncompromising quality and a commitment to innovation, it is setting new standards in the world of glass manufacturing. Whether it's producing glass for construction, for pharmaceuticals or for solar panels, TEKA's glass batch mixers offer an optimum combination of work safety, reliability, performance and value. ■



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