



Batch Plant Technology

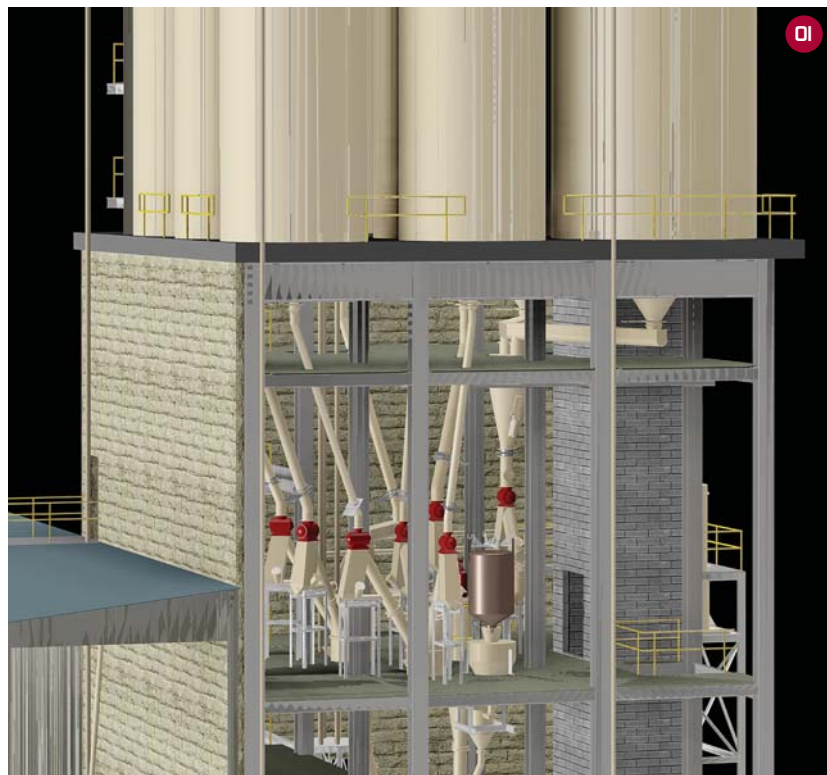
TECO

Batch Plant Technology

Introducing...

TECO combines more than 85 years' of experience in glass furnace design and construction with over 45 years of design expertise in batch plant technology. It's clear that TECO is well qualified to handle any glass plant project. We understand the glass-making process from a total system standpoint. Since 1970 we've designed and built 16 turnkey batch plants and modernised 70 additional batch processes.

TECO's reputation for quality, performance and customer service is second to none.



01 Interior view of TECO Batch House

Engineered for maximum access and minimised dusting

02 Improved glass consistency

A TECO redesign provides improved glass quality

Innovation creates:

Improved glass quality

Carefully engineered systems and equipment improves batch homogeneity and the resultant glass quality.

Increased output

Minimising optimum cycle times can increase production output and require minimal maintenance and interruption to glass production.

Consistent Glass Density

Glass density before and after TECO batch plant modernization.

Furnace one



For more information, please contact us:

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TECO technology: the difference is clear

Glass pack efficiency is directly related to batch plant performance. TECO's innovative technology is proven to have a positive impact on the business success of our clients.

We engineer and build any type of Batch House structure

The design of a TECO batch plant is based on several factors, including raw material storage requirements, capital cost considerations and local seismic conditions.

Raw material handling to ensure controlled flow

TECO's batch handling process is designed to accommodate the characteristics of each raw material. Equipment is specifically selected to ensure the flow of raw materials can be carefully controlled, regardless of its flow characteristics. Batch plants are built to minimise maintenance and avoid any interruption to glass production.

We're experts in automated weighing instrumentation

TECO batch plant systems have scale and feeder resolutions to meet your glass quality requirements. We also design automatic scale systems of very small capacities to enable the automatic weighing of micro ingredients. Our batch weighing systems eliminate weighing errors, due to the internal pressure-balancing design. All batch plants also include a thorough check-weighing process capability.

Mixing and blending to prevent mixed batch segregation

TECO batch plants are designed to insure batch homogeneity. Mass flow furnace bins are used to prevent mixed batch segregation, cullet is handled separately and generally a belt conveyor will be used for mixed batch delivery.

Control systems for fail safe operation

TECO batch plants are constructed with high-quality control system components.

Handling cullet safely throughout

TECO designs and builds safe cullet handling systems for all applications, ranging from float to tableware. These systems handle cullet from the point of generation in the factory to the batch plant, and can condition it for re-use in the melting process.

Modernization without loss of production

We are experts at handling plant modernizations without disrupting normal glass production, regardless of the project scale or complexity. Batch plants are also designed to accommodate future expansion.

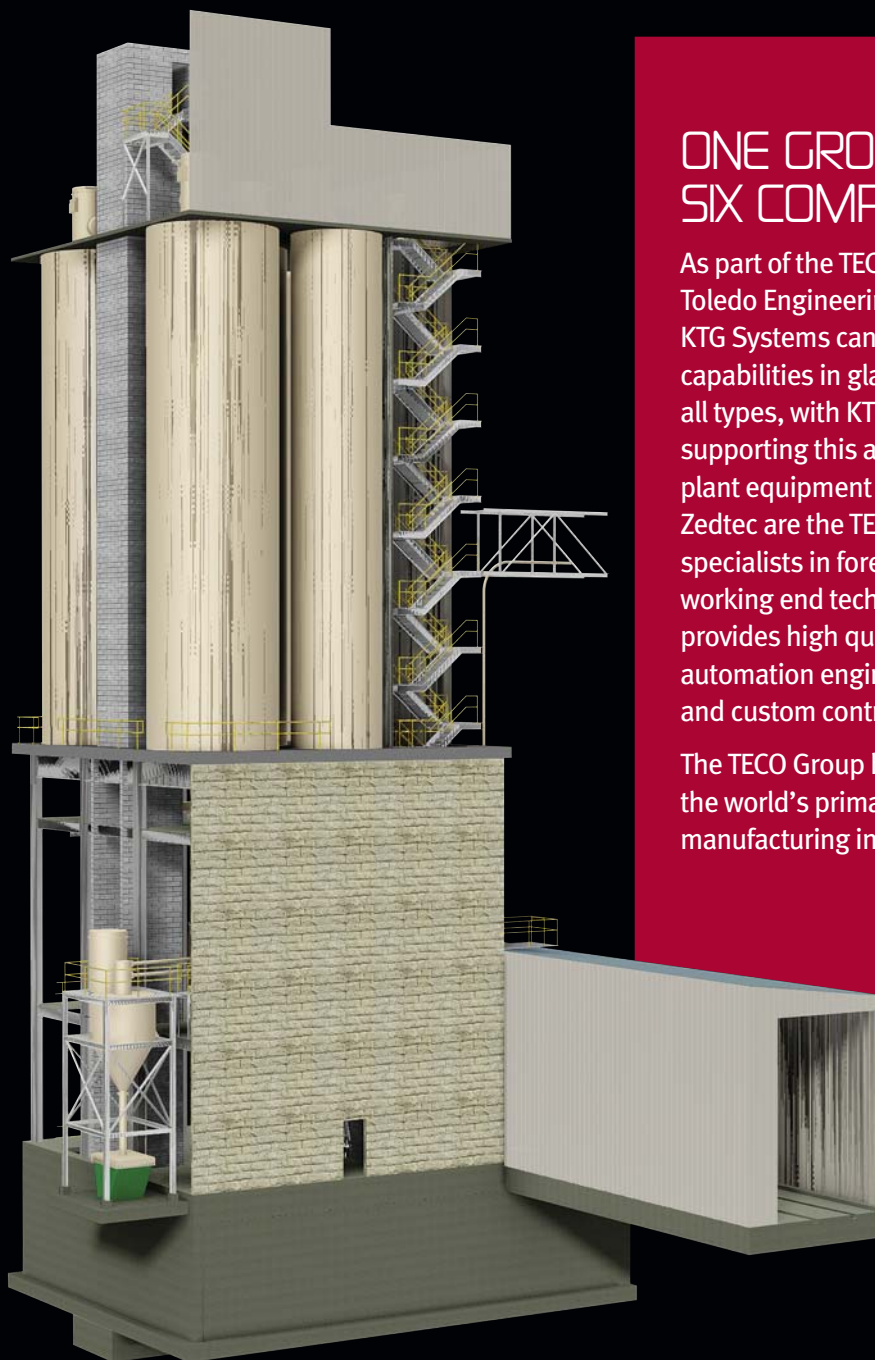


03 E-Glass fiber batch plant
With totally enclosed head house shown

04 Accurate Weighments
Appropriate feeding technologies used

05 Pneumatic transport capability
Easily maintained pneumatic pipeline with ceramic backing

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ONE GROUP - SIX COMPANIES

As part of the TECO Group, Toledo Engineering, Tecoglas and KTG Systems can offer complete capabilities in glass furnaces of all types, with KTG Engineering supporting this activity as glass plant equipment manufacturers. Zedtec are the TECO Group specialists in forehearth and working end technology. EAE Tech provides high quality industrial automation engineering services and custom control systems.

The TECO Group has been serving the world's primary glass manufacturing industry since 1927.



www.teco.com

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