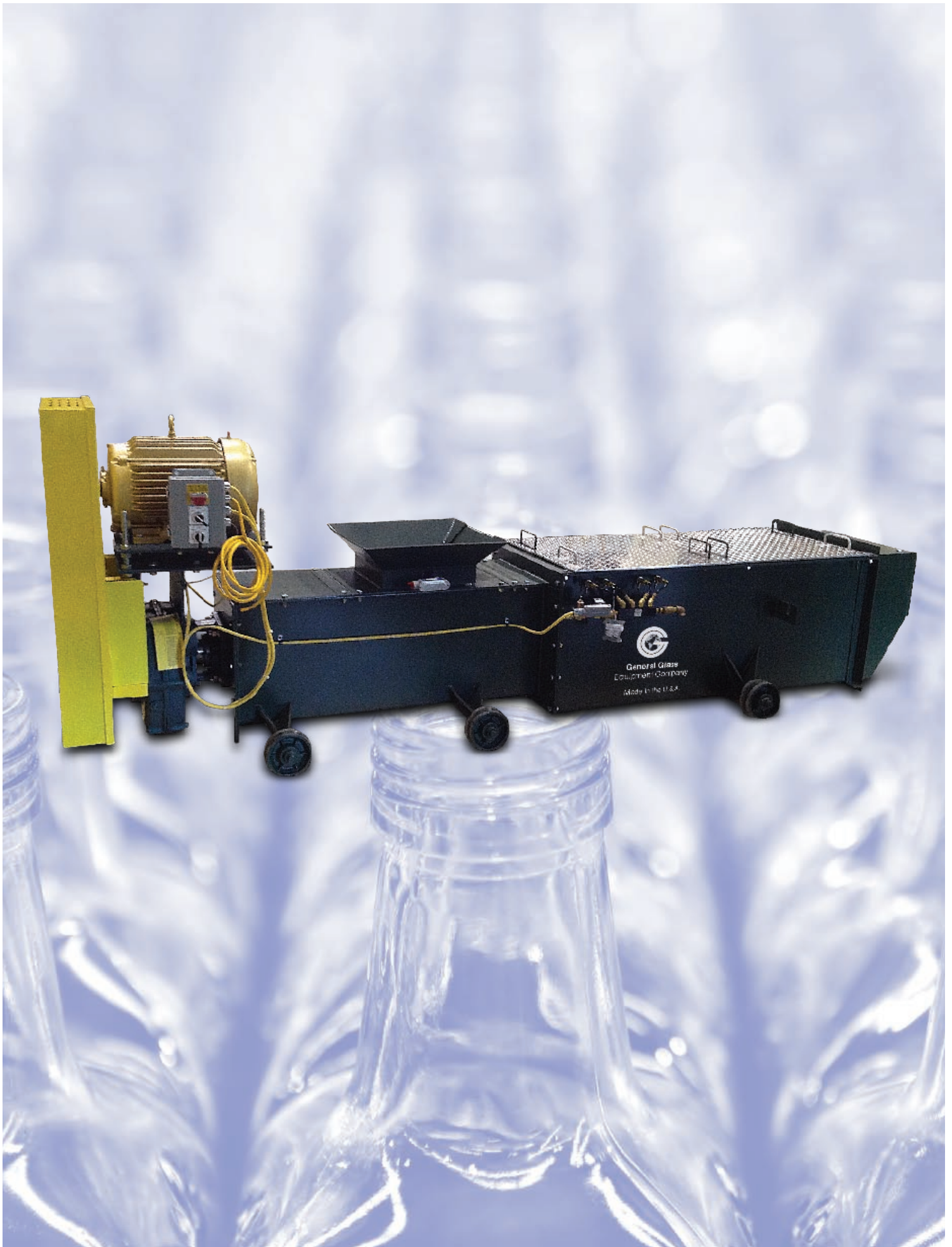


# HYDRA-MIX

AUTOMATIC  
BATCH WETTING  
FEEDER



**General Glass  
Equipment Company**





# GENERAL GLASS HYDRA-MIX

## AUTOMATIC BATCH WETTING FEEDER

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### Your profit partner in production

The General Glass Hydra-Mix Blending and Conveying System is acknowledged as the industry leader in batch wetting and blending processes. Serving many well-known glassmakers worldwide, the Hydra-Mix is a complete, automatic and ruggedly built system.

The Hydra-Mix is composed of three main sections: the drive section, the conveying section and the blending section. The newly introduced drive section utilizes a TEFC, Super E Motor with a belt drive connection to a shaft mounted speed reducer to provide torque to the drive shaft. The drive belt and sheaves are enclosed for safety with a removable cage for easy maintenance.

The conveying and mixing section utilize hardened steel flights and paddles bolted through the main shaft for maximum strength and easy access for maintenance. The mixing section utilizes expanded metal covers with safety interlocks, allowing maintenance personnel to view the section while running. The expanded metal is covered with aluminum diamond plate to provide a dust seal while remaining light enough for one person to remove.

The wetting section utilizes a manifold for wetting agent distribution to the brass spray nozzles. Pressurized air connected to the Hydra-Mix provides greater atomization of the agent and better overall wetting of the batch while also allowing the nozzles to be blown free when wetting is stopped to prevent clogging.

The integrated proportional wetting system provides precise and constant (+/- 0.1%) batch humidity in single, multi or variable speed operation.

The Hydra-Mix is credited as a valuable profit partner in various phases of production, ranging from enduring, improved quality and uniformity to better batch distribution and including greater glass output and reduced fuel consumption.

#### **Benefits:**

- Cleaner furnace atmosphere
- Lower operating temperatures
- Reduced dusting
- Longer, more efficient furnace life

#### **Controls:**

- Combination motor starters or variable speed drives
- Batch Master II control panels for multi-charger/ Hydra-Mix installations

#### **Features:**

- Direct glass level control by variable speed or stop/start operation
- Full overload protection
- Easy access to all lubrication and adjustment points
- Quick replacement of modular screw flights and mixing paddles
- Direct coupled gear reducer
- Bolt-on Drive End Belt Guard Design
- Batch Entrance Chute and Metering Tub Covers

#### **Installation Options:**

- All steel fabrication
- Torque overload clutch
- Heavy duty chemical metering pump
- Oversized drive and bearings
- Soft tub liners for highly hygroscopic batch formulas
- Special fluid handling systems for caustic, decolorizer or unique liquid agents
- AR liners and crushing options for high cullet applications
- Oversize and special length units
- Feeder capacities of 25 to 575 tons of dry batch per day

*General Glass would enjoy the opportunity to discuss your current project needs and will provide recommendations and detailed installation drawings for side port, end port and unit melter furnaces.*

# HYDRA-MIX

## AUTOMATIC BATCH WETTING FEEDER

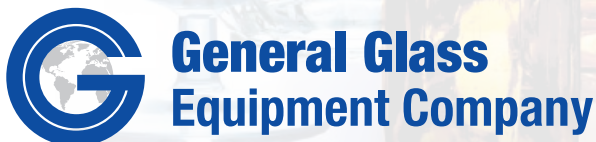
### General Glass Equipment Company

As the premier supplier of glass manufacturing equipment systems, General Glass Equipment Company boasts an enviable reputation for providing the industry with practical and timely solutions – both in the United States and around the world. Considered standards of the industry, the company's products and services cover virtually every aspect of glass manufacturing, from plant design, construction and project engineering to personnel training and general consultation.

First and foremost, General Glass is an engineering and manufacturing organization with a commitment to excellence that assures customers of superior product performance and profitability. The company is well regarded for its ability to blend technological advancements with experience and expertise achieved during its distinguished history that spans more than 80 years.

Headquartered in southern New Jersey, the company continues in the proud traditions of glassmaking's long and important history in the region where the industry dominated for a century and a half.

Additional information about General Glass is available on the company's web site: [www.generalglassequipment.com](http://www.generalglassequipment.com).



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