

MPADVANTAGE™ TCS Batter Mixer

BATTER MIXING ACCURACY IS THE HEART OF THE MPADVANTAGE™ TCS, ALLOWING PROCESSORS TO EXCEED THEIR QUALITY AND YIELD SPECIFICATIONS.

Machine Features

- An ALL electric automated tempura batch mixing system with very precise mix accuracy and temperature control
- Designed with the 21st century standards & guidelines as it pertains to Food Safety & USDA requirements
- Construction is all stainless steel frame and assembled using US standard food safety components
- Capable of producing up to 660 gallons of tempura per hour or as little as 25 gallon per hour. The TCS can mix and pump a batch of tempura in 5 minutes or less.
- High efficiency 50 or 70 gallon insulated tanks
- Adjustable batch size that is 100% programmable
- Electrical control characteristics:
 - Allen Bradley PLC and color touch-screen
 - Allen Bradley VFD's on feed pump as well as mixer
 - Electronic water meter & plc meters water automatically in tenths of a gallon
 - Automated startup sequence for added consistency

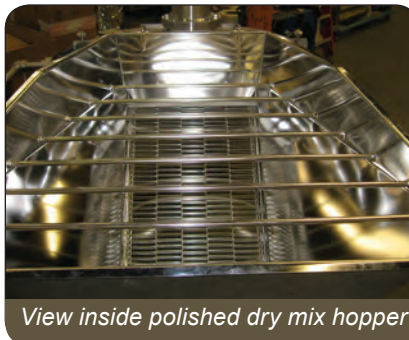


TCS PLC Controls



MPADVANTAGE™ TCS Batter Mixer, front and back views

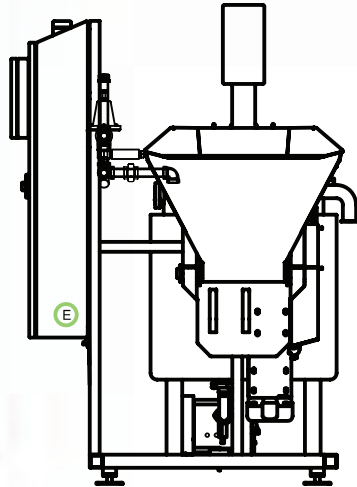
- Stainless Steel sloped top NEMA 4X enclosures
- Temperature control and monitoring in mix tank
- Ethernet networking capability
- 100% automated control of batter mixing
- All stainless steel Flowtech PD400 feed pump with variable speed
- All stainless steel direct driven mixer with precise speed control of a vfd
- All stainless steel water and sanitary piping
- All stainless steel jacketed & insulated mix tank with jackets on side & bottom of tank (180 psi ASME Certified & Stamped)
- Ergonomically designed low profile hopper with 150lb capacity
- Self diagnostics for alarms, temperatures and motor O.L.
- Perforated parts basket for all sanitary and pump parts during disassembly



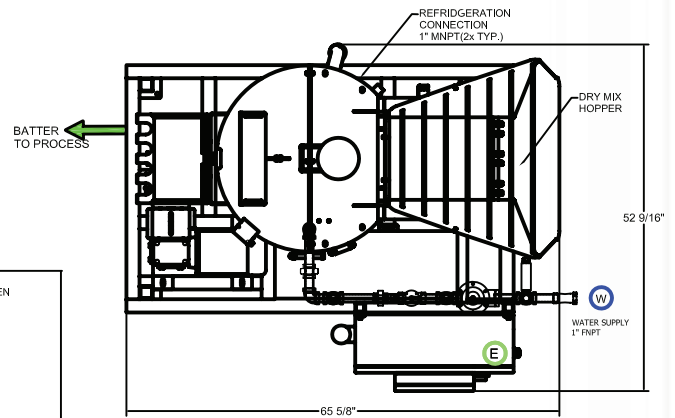
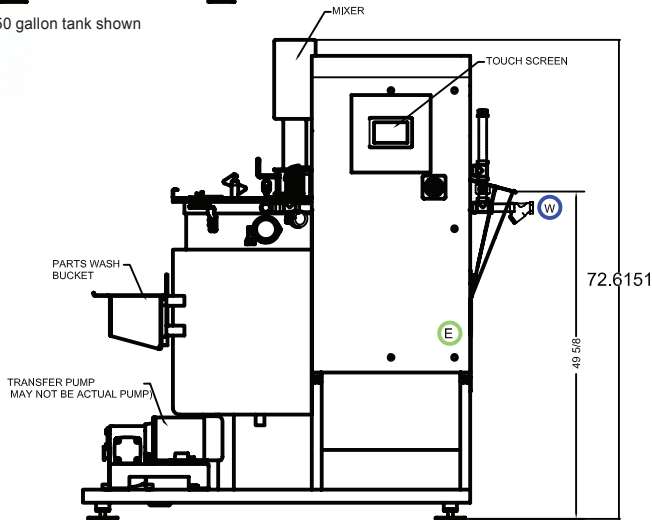
View inside polished dry mix hopper

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Technical Information



50 gallon tank shown



MACHINE DIMENSIONS

Machine	A	B	C
VCS with std. hopper	72.625"	50.875"	65.625"
VCS with 30" hopper	72.6"	50.9"	87.7"
VCS with 70 gallon tank	72"	52"	63.5"

UTILITY MATRIX

voltage	phase	amps	water	refrigeration	pipe conn.	comments
480/230	3	30/60	25 gpm		1" line NPT	Supply circuit to control panel Water meter not included. Incoming water temperature can be monitored using a RTD, supplied by customer. Chilled water supply recommended.
				10 ton	1" NPT (male)	Refrigeration solenoid supplied by customer (120V). Tanks have side and bottom jackets. Preferred refrigerants: chilled water, Glycol or Ammonia
					1 1/2" sanitary	Feed pump outlet that connects to the batter applicator.
					1 1/2" sanitary	Return pump pipe connection to tank
						Dry mix hopper capacity: 150 lbs. Hopper height: 48" Mixing tank capacity: 50 gal.

Specifications subject to change

- SERVICES OFFERED -

- 24/7 Service
- Spare Parts Department
- Application Support
- Technical Support
- Line Audits

- MP WARRANTY POLICY -

MP Equipment will repair or replace any MP manufactured component that fails due to defect in material or workmanship within 24 months from shipment.

All OEM parts covered by individual warranties.

MP EQUIPMENT COMPANY

Your Best Value for Processing Solutions

