

## **The Mark XX Hydrosponder®**

Accurate, flexible, affordable Cast Polyurethane Processing Machines

### **Overview**

The MKXX Hydrosponder takes processing to a level the industry has come to expect and deserve. Incorporating the latest in machine control technology, the MKXX uses servomotors, a touchscreen HMI and optional flowmeters to control the complete system.

Even the need for a PLC has been eliminated, as the MKXX utilizes a stable software program to operate. Recipes can be stored in the machine memory and ratios changed in a matter of seconds. This machine will process reactive materials high and low in viscosity, with long or very short pot life. This includes resins filled with solids as abrasive as silicon carbide.

The MKXX can be equipped to process six primary heated components and up to six colors. This versatile design enables you to use the MKXX to process multiple resins and curatives, changing between formulations many times a day by just a touch of the screen. Along with Trico's line of Degassers, Tanks, Melters, or even your companies' existing vessels, the capabilities are almost endless.



### **General Specifications**

- Precision servomotor driven ZENITH® Pumps
- ¼ to 100+ lbs per minute throughput
- Individual direct electric heat (No "Hot Boxes")
- Recipe changes in seconds
- Optional: Coriolis Mass Flowmeters
- Capable of uninterrupted pours from ounces to 6,000+ lbs
- Output Pressures to 125 psi
- Simple yet highly versatile Mixer Assembly
- Lifetime Technical Support & Training
- 6 month – 1 year warranty
- Spare Parts stocked for next day delivery





### **MKXX Features**

- Pump sizes from 0.132 cc to 100 cc per revolution.
- Flow rates can be varied "on the fly"
- Pumps are easily removable for maintenance and can be interchanged to alter throughputs.
- Optional pumps can process filled resins
- Temperature range from ambient to 150° C.
- 2.6 to 4.7 HP Spindle mixer motor with variable speed control.
- Solid State sensors to monitor pump inlet and discharge pressures.
- 1 HP individual brushless servomotors for each pump.
- Maintenance free sealed gear reducers.
- Durable easy to clean 6061-T6 aluminum frame components.
- Data Log files easily exported to PC
- TPS heated material transfer lines utilize a teflon tube with stainless steel mesh overbraid and can be provided in any length.
- Under 1 hour Meltout Time .
- Purge system completely flushes mixer with less than ½ cup solvent.
- 400 psi lubrication system for pumps and mixer aids in seal life and the processing of fillers

### **Options**

Contact TPS

### **Power Requirements**

- 208-240 Vac, 60 Hz, 3 Phase OR
- 380 Vac, 50 Hz, 3 Phase with neutral

*Financing options available*

