

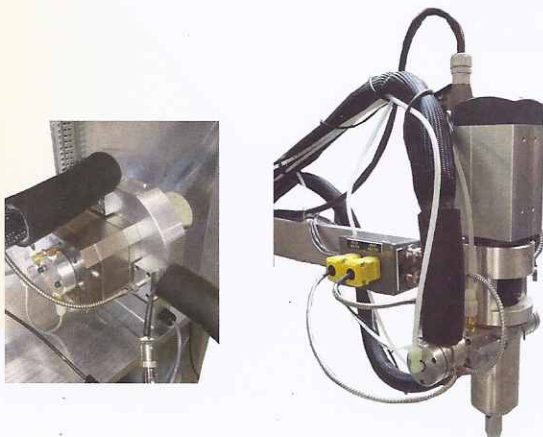
## **The Mark XV Hydrosponder®**

Simple, Reliable, Flexible, Accurate

### **Overview**

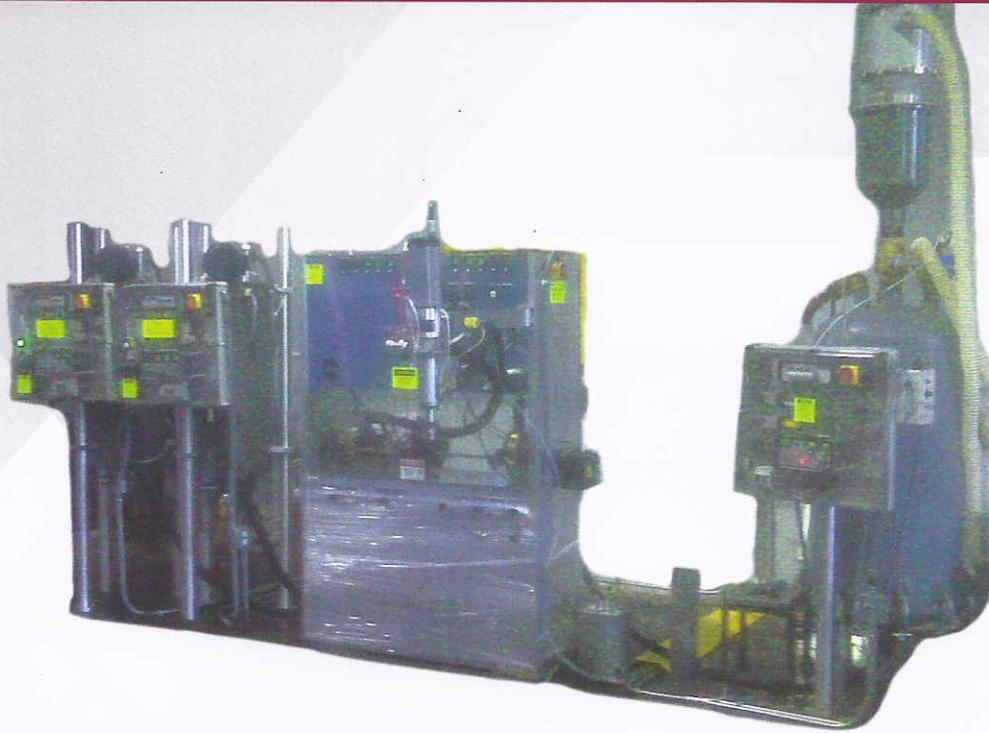
The Mark XV Hydrosponder is a uniquely engineered metering, mixing and dispensing machine that will process reactive materials high and low in viscosity, with long or very short pot life. This includes resins or epoxies unfilled or filled with solids as abrasive as silicon carbide.

The MKXV is four feet wide and six feet high and can be equipped to process two primary heated components and up to three colors. This design enables you to use the MKXV with TPS's line of Degassers, Tanks, Melters or even your company's existing vessels. This modular design helps to achieve your manufacturing goals with minimal initial investment.



### **General Specifications**

- Output pressures to 125 psi
- Close tolerance simple mechanical assemblies
- Precision ZENITH® METERING pumps
- Individual direct electric heat (No "Hot Boxes")
- Wide variety of mixer configurations
- ¼ to 50 lbs per minute throughput
- PLC machine controls & touch screen data entry
- Simple maintenance
- Entire system is melted and ready in 50 minutes
- 6 month – 1 year warranty
- Spare Parts stocked for next day delivery
- Lifetime technical support and training



### **MKXV Features**

- Pump sizes from 0.132 cc to 100 cc per revolution.
- Pumps are easily removable for maintenance and can be interchanged to alter throughputs.
- Available pumps can process resins filled with friction modifiers such as rubber particles, silicon carbide etc.
- Temperature range from ambient to 150° C.
- 15,000 RPM mixer motor with variable speed spindle motor.
- Solid State differential pressure sensors to monitor pump inlet and discharge conditions.
- 1 HP DC pump drive motor with variable speed control.
- Ratio (i.e. gear changes) in under 3 minutes.
- Durable easy to clean 6061-T6 aluminum frame components.
- TPS heated material transfer lines utilize a teflon tube with stainless steel mesh overbraid and can be provided in any length.
- 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

### **Power Requirements**

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

### **Options**

Contact TPS

*Financing options available*

