

ECO-RIM

HIGHER ACCURACY
HIGH PRESSURE
RIM MACHINE

The Eco-RIM machine is the result of 20 years of field experience. It is primarily developed to offer an alternative to low pressure machines by eliminating solvent flush and providing higher accuracy metering. The Eco-RIM is designed to allow easy operation and maintenance and is suitable for laboratory use as well as high volume production.



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HI-TECH
ENGINEERING, INC.

PRIMARY APPLICATIONS:

- Low Density Rigid Systems:**
- Refrigeration
 - Panel Lines
 - Insulation
- High Density Rigid Systems:**
- Wood simulations—moldings, etc.
 - Structural components
- Flexible Foam Systems:**
- Furniture & Automotive Seating
 - Headrests, Armrests
- Cold Cure Elastomers:**
- Coatings
 - Industrial high wear applications
- Specialty Systems:**
- Gaskets—filters, electrical enclosures
 - Toys
 - Athletic component parts
 - Electronic encapsulation

Machine Type	ECO-RIM 10	ECO-RIM 30	ECO-RIM 50	ECO-RIM 100	ECO-RIM 200
Flow Rate Lbs/Min	2-10	6-30	10-50	20-100	40-200
Ratio Range	1:1 to 5:1	1:1 to 5:1	1:1 to 5:1	1:1 to 5:1	1:1 to 5:1
Tank Size (Gallons)	5 Gallon	10 Gallon	20 Gallon	30 Gallon	60 Gallon
Hydraulic Power Unit for MixHead	20 Gallon	20 Gallon	20 Gallon	20 Gallon	20 Gallon
Mix Head	HP8-2P-250	HP10-2P-250	HP12-2P-250	HP16-2P-250	HP20-4P-250
Open Pour	HP8-2P-450	HP10-2P-450	HP12-2P-450	HP16-2P-450	HP20-2P-450
L-Head	LMH-5/8-2P	LMH-6/10-2P	LMH-8/12-2P	LMH-10/14-2P	LMH-12/19-2P
Control	SLC-500	SLC-500	SLC-500	SLC-500	SLC-500
Pour Timer	9-Digital	9-Digital	9-Digital	9-Digital	9-Digital
Power	480V/3/60	480V/3/60	480V/3/60	480V/3/60	480V/3/60

MACHINE FEATURES:

- Optional Temperature Control
- Variable Frequency Pump Drives
- Easily Interfaced with Peripheral Devices
 - Robots, Mold Clamps, Turntables, and Conveyors
- Jacketed Tanks
- High Precision High Pressure Chemical Metering Pumps
- High Pressure Impingement Mixing Head

OPTIONS:

- Hot and Cold Water Systems— for tank temperature control
- Remote Control Pour Box—Basic
- Remote Control Pour Box—with 1-99 pour timer selection
- Automatic Level Control with Automatic Tank Fill
- Double Impingement Mixing Head— for difficult to mix foam systems
- Mixing Head Boom—6-12 Ft extension with 180-degree swivel
- Switching Stations for Multiple Head Operation (one station required for each mixing head)
- Ethernet interface for remote recipe loading, data storage, and remote program controls and changes
- Electric Agitators for Tanks
- Larger Tanks, 110 PSI working, Jacketed
- Tool Balance
- Air Dryer—Electric Self Regenerative
- Flow Meters—for closed loop metering
- Mag. Couplings—for lower maintenance

