

DG200 MODULAR E-LINE

*Double or Multiple Component
Dispensing, Mixing and Casting Machine*



LINDEN

Linden Industries, Inc.
137 Ascot Parkway, Cuyahoga Falls, Ohio 44223
Telephone: 330-928-4064 • Fax: 330-928-1854
Email: info@lindenindustries.com . Web: www.lindenindustries.com

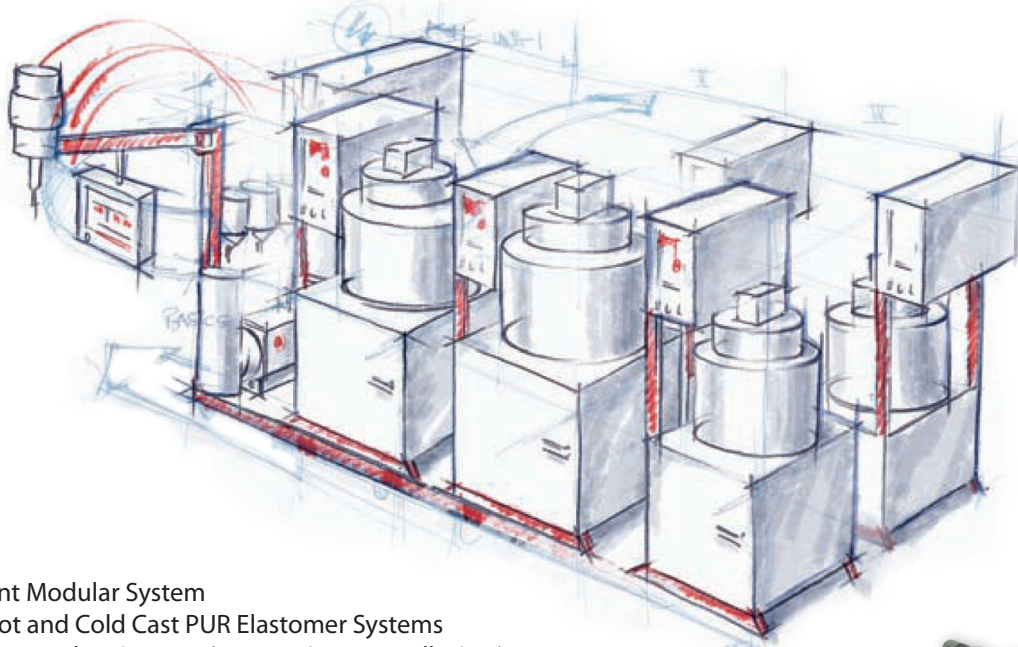

POLYTEC GROUP

MARKET LEADERSHIP THROUGH MACHINERY INNOVATION



DG 200

This professional machine series for up to six-component lines is made of highest-quality components and allows tailor-made solutions for almost any application and requirement. The DG 200 machine is designed to meet your individual needs, whether they are tank sizes of up to 1500 liters or output rates of up to 100 kg/min. The freely programmable PLC system with optional process visualization and report logging guarantees the highest levels of product quality and process security. The modular design allows up to six-component lines. Dosing pumps are also available for filled and abrasive systems.



Features:

- 2 to 6 Component Modular System for Processing Hot and Cold Cast PUR Elastomer Systems
- Throughputs up to 100 liter/minute (1,666 cc/sec, or 3.6 lbs/sec)
- Heating Capability for all Machine Components up to 150° C (302° F)
- Material Tank Volume up to 1500 liters (400 Gal), Pressure or Vacuum Capable
- Agitators with Special Design blades
- Metering Pumps for Filled, Abrasive Chemical Systems
- Flow Metering and Automatic Flow Control of the Individual Component Metering Streams
- PLC Controls
- Micro Metering Units for Colors, Catalysts, etc.
- Integrated Vacuum System for Degassing of Tank Contents



Technical Data

Output: from 0.05 up to 100 kg/min.
 Tank-Size: 16 - 1500 liters (4 - 400 Gal)
 Temperature: up to 150°C (302 F)
 Power Supply: 480 V, 60 Hz, 3 ph
 Power Consumption: from 25 kW
 Air Supply: 6 bars (90 PSI)

Options

- Flow rate measurement
- Color and additive dispensing
- Disc degasser
- Service modem
- Process visualization
- Cooled systems possible



Mixing Head

- Low Pressure Mixing Head with Dynamic Mixer
- Recirculation of the Individual Components
- Integrated Valves for Adjusting Recirculation and Pour Pressures
- Individually Electrically Heated Component Valves
- VFD Controlled Mixer Speed with Digital RPM Indication

Heating Enclosures

- Insulated, Electrically Heated Enclosures for Metering Systems
- Variable Temperature Control up to max. 150° C (302° F)
- Optimized and High Efficiency Temperature Control via Two Different Heating Systems
- No Cold Spots

Micro Metering Units

- Micro Metering Units for Colors, Catalysts, etc.
- Variable Flow Rates
- High Precision Valves for Direct Injection into the Mixing Head

PLC Control

- Siemens PLC with Windows CE operating system
- Graphical display
- Ergonomic Designed Touch Screen Pad
- Alarm Messages in Plain Text
- Operator Friendly Control
- Programmable Mix Ratios, Flow Rates, Shot Sizes and Recipes
- Data Collection of System Parameters



4-component machine with color/additive dosing



Process visualization



Coreolis flow rate measurement



Color or additive dosing

DG2000 MODULAR E-LINE

LINDEN

Linden Industries, Inc.
Polyurethane Processing Equipment

137 Ascot Parkway, Cuyahoga Falls, Ohio 44223
Telephone: 330-928-4064 • Fax: 330-928-1854
Email: info@lindenindustries.com . Web: www.lindenindustries.com



POLYTEC GROUP

Available from a Knowledgeable and Friendly Service Group