

Polyurethane Foam Processing Equipment

High-Pressure and Low-Pressure Mixing
and Metering for PUR



Gusmer-Decker Solutions for Your Application Needs

Expertise and Experience

Gusmer-Decker has over 40 years of technology, engineering and manufacturing expertise in providing low and high-pressure processing equipment for a full range of materials. OEMs and fabricators around the world turn to Gusmer-Decker for extensive knowledge in the building products, after-market components, DCPD and automotive NVH markets. Our comprehensive knowledge and experience with in-plant polyurethane equipment and processes

assures you an in-depth understanding of material processing and manufacturing requirements for virtually any spray, pour or injection foam application.

Manufactured and built with pride in the USA, Gusmer-Decker products are backed by a commitment to service and technical support. Because the products are U.S.-based, you can count on faster service, quick turnaround times for replacement parts and short lead times for delivery.

The right equipment will speed your production, reduce downtime and determine whether you can make the desired part successfully. By depending on the Gusmer-Decker product line, you can be assured of optimum performance and productivity.

Choosing the right machine and auxiliary equipment is a crucial first step. Contact your sales representative to get started today.



GUSMER-DECKER RL

A circulating system for elastomers, flexible and rigid foam, integral skin and other products requiring low-pressure static or dynamic mixing.

Product highlights

- Hot water or solvent purge for simple maintenance / cleanup
- High-precision rotary pumps designed to deliver consistent results
- User-friendly controls
- Variable ratio from 1:4 to 4:1
- Flow rates of 2-200 lb/min (0.9 – 91 kg/min)
- Typical applications: air filters, shoe soles, arm rests, in-line skate wheels

GUSMER-DECKER RD

High-pressure, variable ratio equipment suited for processing filler and high viscosity materials; polyurethanes, polyurea, composites, elastomers, DCPD, filled and abrasive materials, and other multi-component RIM, RRIM and SRIM systems. The RD is an excellent system for creating very large parts.

Product highlights

- Unique Continuous Delivery Cylinder (CDC) piston pumps provide continuous flow to the mixing head, allowing production of very large parts with virtually unlimited shot size
- Can be configured to process two separate systems through two separate mixing heads with only one metering unit
- Easy-to-use programmable logic controllers for machine operation and interfacing with auxiliary equipment
- Variable ratio from 1:5 to 5:1
- Maintains flow rates up to 140 lb/min (64 kg/min)
- Typical applications: bridge decks, sound insulation, carpet underlays, bumper fascia, heavy equipment floor mats, structural foam backing for bathtubs, sinks and shower stalls





GUSMER-DECKER RC

Advanced features and a configurable platform offer flexibility for any application. High-pressure machine designed for rigid and flexible in-plant foam applications.

Product highlights

- Easy-to-operate entry- to mid-level metering machine requiring minimal maintenance
- Capable of processing material through two separate systems through two separate mixing heads with one metering unit
- Twenty-three configurable options - customizable to meet your unique application needs
- Leading technology with highly-efficient pumps and user-friendly controls
- Flow rates up to 200 lb/min (91 kg/min)
- Variable ratio from 1:5 to 5:1
- Typical applications: credit cards, residential refrigerators, vending machines, interior panels



GUSMER-DECKER RX

Best system for elastomeric, SRIM and rigid and flexible foam applications where customized communications with peripheral equipment is required (e.g. turn tables, presses, robots, conveyors, mold carriers).

Product highlights

- Easy-to-expand electrical panel
- System of choice for processors demanding optimum performance and flexibility
- Modular design enables easy installation of auxiliary components such as: temperature control units, color dosing units, multiple-stations
- Configurable metering pump sizing options to accommodate different ratios and outputs
- High-pressure machine supporting output of up to 800 lb/min (363 kg/min)
- Variable ratio from 1:5 to 5:1
- Typical applications: building panels, pipe insulation, prosthetics, molded armrests and headrests, sporting helmets, walk-in coolers

GUSMER-DECKER RB

A high-pressure system designed specifically for automotive body cavity sealing and NVH applications.

Product highlights

- One button AutoStart feature
- Small footprint
- Open-frame construction
- Accurate/reliable continuous delivery metering pumps
- Recirculation with small, lightweight, yet robust mixing head
- Integrated supply system
- Mass-style flow meters for operational performance and accurate shot size control
- Variable ratio capability
- Meets rigorous standards of automotive car body on-line applications
- Stand-alone integrated unit includes 35 ft. hose, GX-15 mixing head (a direct impingement, high velocity, high-pressure mixing head)
- Typical applications: automotive NVH with 24:1 systems



Add Gusmer-Decker Mixing Heads for the Total Solution



L-Style

Ideal for open pour requiring low-exit velocity or off ratio and hard-to-mix chemical systems.



Double L-Style

Same as L-Style, but provides more precise control of multiple polyols. Allows operator to switch formulations in seconds.



S-Style

Available in a wide range of mixing chamber diameters to fit your specific application. Also available in a long-stroke model for better laminar flow.



GX-15

Lightweight, ergonomic design. Fluids continuously recirculate through mixing rod slots to ensure accurate conditioning and eliminate cold shots at start-up.



ParaDyne™

Uses disposable static/dynamic mixers and unique snuff back to prevent drips. Ideal for foams and elastomers that require up to 50 cc/sec flow rates.

Contact us today!

Call today for product information at 800-367-4767, or visit us online at www.gusmer-decker.com.

Graco UpTime Protection Plan

Protect Your Investment. Maximize Your Uptime.

Since costs associated with downtime can be significant, setting up a proactive service plan is a must. With Graco's UpTime Protection Plan, you maximize equipment uptime and ROI – with flexible service packages backed by experienced people that give you peace of mind.

- Maximize machine availability and uptime
- Protect your equipment investment from premature wear
- Fast response when you need it most
- Minimize unexpected repair expenses
- Extend mean time between failures
- Gain peace of mind through reliable service solutions
- Reduce cost of ownership
- Provide consistent operator training
- Access excellence in service expertise through our experienced service team



Six Great Safeguards for Success

A Selection of Flexible Packages to Ensure Productivity.



UpTime Installation

- Installation management
- Seamless integration
- Process validation
- System testing
- Calibration
- Operator training



UpTime Parts

- Service parts at a fixed price
- Parts inventory assessment
- Expert parts evaluation



UpTime On-Call

- Priority response to your service needs
- On-call service is just a phone call away
- Graco certified technicians are strategically located



UpTime Maintenance

- Scheduled maintenance
- System inspection
- Repair of worn parts
- Calibration
- Refresher training
- Check of spare parts/inventory



UpTime Training

- Training by certified instructors
- Operational and maintenance training
- At your location or at Graco
- One- or two-day training



UpTime Extended Warranty

- Two- or three-year extended plans available