



YOUR PARTNER FOR METERING
AND MIXING TECHNOLOGY

LIQUID SILICONE RUBBER



WHO WE ARE – AND WHAT WE STAND FOR

Joined materials – metals, glass, plastics and composites can be found everywhere in our world, countless products are made out of them. Bonding technologies have more and more replaced traditional joining processes during recent years, and Reinhardt-Technik has adopted to this trend early.

What started in 1962 with a team of ambitious engineers has grown over half a century to a leading global supplier of dosing and mixing plants with a proven record of innovative solutions in the market place.

Processing liquid performance materials for bonding, sealing, moulding and surface treatment applications combined with system integration and process control are our well recognized core competences.

As a technology leader in the field of adhesive and sealant processing solutions we belong to the J. Wagner GmbH since 2012.

Wagner is a leading manufacturer of surface technology, with more than 1,400 employees globally and headquarters in Markdorf near Lake Constance.

- › **Customer orientation**
- › **Partnership**
- › **Innovative products**
- › **Individual solutions**
- › **Automation**
- › **Reliable applications**
- › **Global service**

Liquid Silicone Rubber is a material almost everybody has come in touch with nowadays.

LSR is found in many products making our life easier and more comfortable like baby pacifiers, shower heads, TV remote controls, diver goggles as well as in many functional textiles.

Even more often it is used in technical products like gaskets, isolators, membranes, technical fabrics, in various medical devices or meanwhile also in "highly transparent" products like lighting components.

The preferred choice to produce LSR products is injection molding, as this process offers the highest levels of automation and the greatest freedom of product design.

The injection molding process for Liquid Silicone Rubber is very similar like for thermoplastic polymers.

The main difference is the feeding and mixing of the two component material at ambient temperatures.

Ever increasing demands for productivity and quality ask for reliable processing equipment and quality control.

EASY OPERATION OF COMPLEX PROCESSES PAIRED WITH COMMITTED CUSTOMER SERVICE

Reinhardt Technik is a preferred supplier of metering and mixing equipment to various industries for decades.

Our experience, engineering know-how and service has made us a partner for many injection molders as well as injection molding machinery manufacturers as we understand the requirements and provide the most beneficial solutions:

- **constant quality by providing consistent mixing accuracy**
- **reliable production by controlling the relevant process parameters**
- **significant cost savings by perfect utilization of the material**

Learn more about our products & solutions.....



LSR ELA

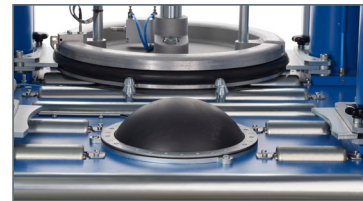
MAXIMUM
99,5%
MATERIAL UTILIZATION



- great level of operator comfort
- higher efficiency
- significant cost savings



Automatic aeration system for fast, safe and clean drum exchange.



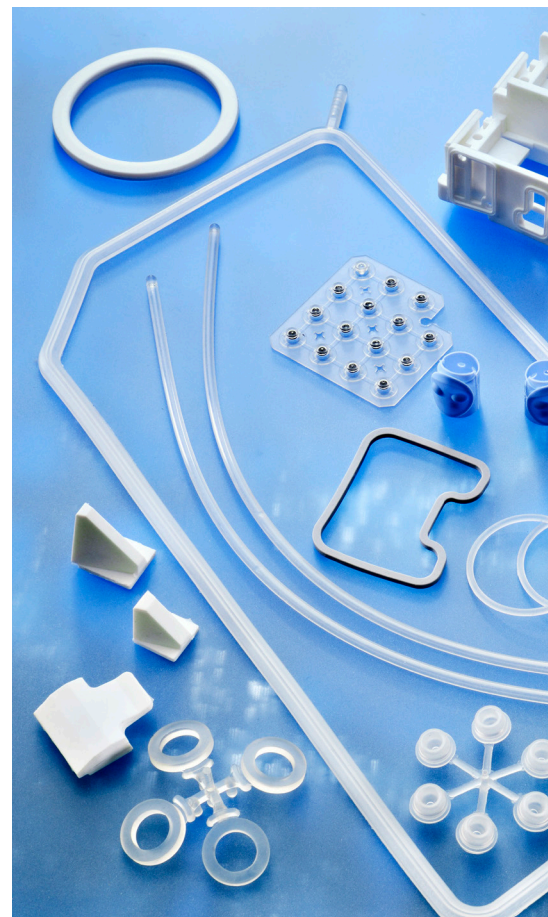
Optional pneumatic drum support. Helps to save additional 50% of residual material.

The LSR 200 ELA and LSR 20 ELA represent the latest generation of 1:1 mixing and metering plants for Liquid Silicone Rubber.

This product line comes with top-notch features which provide great operator comfort, higher efficiency and significant cost savings.

The individual smart control of the servo driven metering pumps enables a simultaneous unloading of both drums. In combination with the optimal platen design and a pneumatic drum bottom support, the LSR ELAs provide a maximum material utilization of more than 99,5%.

In other words, the residual quantity in the both empty drums is less than 0,5%, this represents an additional material saving of approx. 50% compared to other electrical driven dosing pumps or even 90% of conventional pumps.



LSR Conti Mix

POWERFUL METER MIX PLANT FOR HIGH VOLUME CONTINUOUS LSR PROCESSING



LSR 20 LC

ECONOMIC AND COMPACT METER MIX PLANT FOR LSR PROCESSING





BENEFITS

- Innovative solutions help to save material, increase productivity and enhance sustainability
- Robust 1K and 2K processing equipment for reliable operation in demanding production environments
- Easy handling due to operator friendly and ergonomic design
- Optimized design and functionally based on close cooperation with material manufactures
- Standardized product portfolio provides on the spot service and spare parts availability

AUXILIARY EQUIPMENT

DRUMLIFTER

Comfortable and easy handling of 200L drums.



DRUM SUPPORT

Helps to save additional 50% of residual material.



COLOUR FEEDER



MATERIAL PRESSURE CONTAINER FOR COLOURS



COLOUR INJECTION

Optionally for one or two colours



YOUR GLOBAL PARTNER IN METERING AND MIXING TECHNOLOGY

- **Processing and application of single and multi component adhesive and sealants**
- **Ambient and temperature conditioned equipment**
- **Complete systems for manual or fully automatic processes**
- **Innovative process control and verification**

