



YOUR PARTNER FOR METERING AND  
MIXING TECHNOLOGY

**DOMESTIC APPLIANCES**



## WHO WE ARE – AND WHAT WE STAND FOR

Joined materials – metals, glass, plastics and composites – is omnipresent in our world, countless products are manufactured from them. Bonding technologies have become more and more replaced traditional joining processes during recent decades, and Reinhardt-Technik is recognized as a pioneer of this trend.

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

Our well received core competences are the processing of liquid performance materials for applications of adhesives and sealants, dispensing technology and surface treatment – combined with full systems integration and process control.

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

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

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

# DOMESTIC APPLIANCES

Appliances are not seen anymore as only helpers in daily household tasks, but are considered as integral part of domestic kitchen furnishings.

Manufacturers have been faced with many new challenges like new designs, low noise emissions, energy efficiency and manufacturing methods. New materials, more specifically, new material combinations have been in focus during the latest decades.

In addition, due challenging economic conditions in global markets paired with increasing consumer expectations concerning product quality, functionality and affordable prices have made manufactures to streamline their production and reduce overall costs.

Optimizing assembly methods and minimizing material consumption have proved to be viable paths to reduce manufacturing cost without sacrificing product quality.

Bonding and sealing applications have already replaced many traditional joining processes since all the benefits of adhesives and sealants speak for themselves:

- **Possible downsizing and weight reduction**
- **Increased quality**  
(e.g. sound and vibration dampening)
- **New material combinations possible**  
(e.g. composite materials)
- **Simplified production processes**

Adhesives and sealants need to be very accurately processed and precisely applied in order to ensure an optimum bond and sealing.

Constatly increasing demands for higher productivity and quality require reliable processing equipment and an appropriate quality control.

Reinhardt-Technik is therefore your preferred supplier of adhesive and sealant processing equipment in the automotive industry.

We offer a wide range of products to process liquid materials in different applications taking the manufacturing environment and local requirements into account.

From simple manual applications to complete solutions with fully automated robot cells with integrated process control – complemented by outstanding service and spare parts availability.

Reinhardt-Technik is also a partner of major adhesive manufacturers, helping to optimize processes and find new solutions for the market – for the benefit of our customers.

Learn more about manufacturing applications and get convinced about our products and system solutions - Made in Germany.





# KEY APPLICATIONS



1

## Oven

Bonding of glass ceramic hobs

2

## Ovens and microwaves

- Inner and outer glasses
- Attachment of control panel
- Sealing of backpanels
- Brackets, profiles

3

## Washing machine and dryers

- Bonding of top panel
- Bonding and sealing of door panels
- Attachment of insulating elements
- Attachment of counterweights
- Bonding of heat condensator
- Sealing of backpanel



4

## Freezer and reffridgerators

- Housing bonding and sealing
- Isolation foam
- Decor panel bonding
- Handle attachment

5

## Automation by Reinhardt-Tec



## Conti Flow Robot

Configurable gear metering system



## Conti Flow Vario

Precision gear metering system



## ContiPro

Progressive cavity metering system





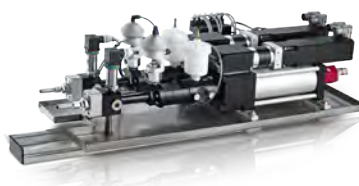
## eMotionMix

Configurable dynamic mixing system



## Vecdos eTwin

Precision shot meter system



## eZbotic

Standardized robot cell



# PRODUCT-SOLUTION-MATRIX

APPLICATION		MATERIALS	SOLUTION
	<ul style="list-style-type: none"> <li>- Bonding of top panel</li> <li>- Bonding and sealing of door panels</li> <li>- Attachment of insulating elements</li> <li>- Attachment of counterweights</li> <li>- Bonding of heat condensator</li> </ul>	1K Polyurethanes 2K Polyurethanes	<ul style="list-style-type: none"> <li>■ Conti Flow Robot</li> <li>■ Conti Flow Vario</li> <li>■ Vecdos eTwin</li> <li>■ Vecdos eOne</li> </ul>
	<ul style="list-style-type: none"> <li>- Glass ceramic hobs</li> <li>- Inner and outer glasses</li> <li>- Attachment of control panel</li> <li>- Brackets, profiles</li> </ul>	1K Silicones 2K Silicones	<ul style="list-style-type: none"> <li>■ Conti Flow Robot</li> <li>■ Conti Flow Vario</li> <li>■ Vecdos eTwin</li> <li>■ Vecdos eOne</li> </ul>
	<ul style="list-style-type: none"> <li>- Panel bonding</li> <li>- Water pump and steam generator sealing</li> <li>- Encapsulating of control device</li> </ul>	1K Silicones 2K Silicones	<ul style="list-style-type: none"> <li>■ Conti Flow Robot</li> <li>■ Conti Flow Vario</li> <li>■ Vecdos eTwin</li> <li>■ Vecdos eOne</li> <li>■ ContiPro</li> </ul>
	<ul style="list-style-type: none"> <li>- Housing bonding and sealing</li> <li>- Isolation foam</li> <li>- Decor panel bonding</li> <li>- Handle attachment</li> </ul>	1K Silicones 2K Silicones 2K PU-Foams (Isolation) 1K Polyurethanes 2K Polyurethanes 1K Epoxies	<ul style="list-style-type: none"> <li>■ Conti Flow Robot</li> <li>■ Conti Flow Vario</li> <li>■ Vecdos eTwin</li> <li>■ Vecdos eOne</li> </ul>
	<ul style="list-style-type: none"> <li>- Bonding and sealing waterbox as well as steam chamber</li> </ul>	1K Silicones 2K Silicones	<ul style="list-style-type: none"> <li>■ Conti Flow Robot</li> <li>■ Conti Flow Vario</li> <li>■ Vecdos eTwin</li> <li>■ Vecdos eOne</li> </ul>

## BENEFITS

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

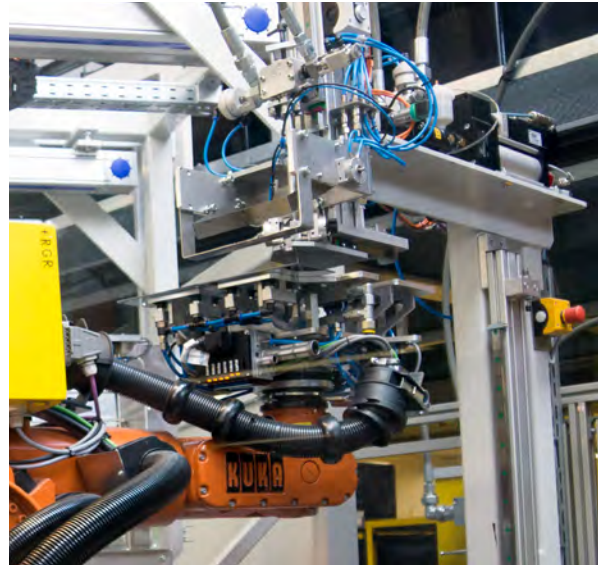


# AUTOMATION

The challenges of our customers continuously drive our ongoing innovations and technology developments.

New applications call for new ideas.

Beside our standard product lines we provide customized solutions for various bonding and sealing applications – from product adoptions up to fully integrated robot assembly cells.





## YOUR GLOBAL PARTNER IN **DOMESTIC APPLIANCES**

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

