



YOUR PARTNER FOR METERING  
AND MIXING TECHNOLOGY

**DOMESTIC APPLIANCES**



# 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**

# ABOUT THE INDUSTRY

Appliances are not anymore only helpers in daily household tasks but are considered as integral part of domestic kitchen furnishings. Demand for low noise emissions, energy efficiency and aesthetics have asked for smart product developments.

Manufacturers have been faced with many new challenges with new designs and manufacturing methods.

New materials, more specifically, new material combinations have been in focus during the latest decades.

Also, due challenging economic conditions in global markets paired with increasing consumer expectations in regard to 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.

Traditional joining methods have been replaced by adhesive bonding. Manual gasketing or sealing of

components have been optimized through fully automatic application of adhesive or sealing materials.

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

Reinhardt Technik is a preferred supplier of adhesive and sealant processing equipment to the domestic appliance industry.

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

Starting from simple manual applications to complete solutions with fully automated robot cells with integrated process control – plus service and parts availability

Reinhardt Technik is a partner to many 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 our products & solutions.....



# KEY APPLICATIONS

2

## Ovens & Microwaves

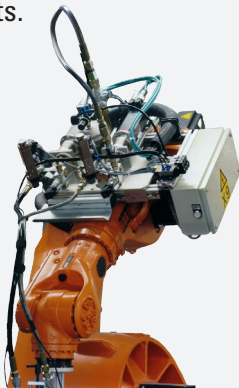
- Inner- and outer glasses
- Attachment of control panel
- Sealing of backpanels
- Brackets, profiles



# PRODUCTS

## Conti Flow Robot

The meter mix components can be integrated in many different machine or system concepts.



## Conti Flow Vario

The new Conti Flow Vario is a compact and variable table-top unit for manual or semi-automatic production processes.



1

### Ovens

Bonding of glass ceramic hobs

1



3

### Washing Machine & Dryers

Sealing of backpanel

3



5

### Automation by Reinhardt-Technik

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### Freezer & Refrigerators

- Housing bonding & Sealing
- Isolation foam
- Decor Panel bonding
- Handle attachment

3

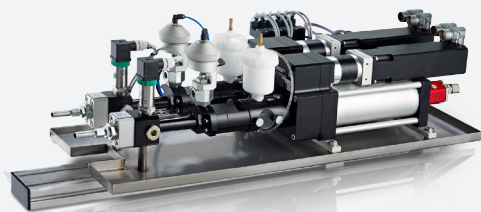
### Washing machine & Dryers

- Bonding of top panel
- Bonding & sealing of door panels
- Attachment of Insulating elements
- Attachment of counterweights
- Bonding of heat condenser



## Vecdos™ eTwin

The volumetric metering units are modular and flexible in combinations for different mixing ratios.



## ContiPro™

ContiPro is ideal for processing abrasive materials or sensitive materials with functional fillers.



# SOLUTION MATRIX

	APPLICATION	MATERIALS	SOLUTION
	<ul style="list-style-type: none"> <li>- Bonding of top panel</li> <li>- Bonding &amp; sealing of door panels</li> <li>- Attachment of Insulating elements</li> <li>- Attachment of counterweights</li> <li>- Bonding of heat condensator</li> </ul>	<ul style="list-style-type: none"> <li>1K Polyurethan</li> <li>2K Polyurethan</li> </ul>	<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>	<ul style="list-style-type: none"> <li>1K Silicones</li> <li>2K Silicones</li> </ul>	<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>	<ul style="list-style-type: none"> <li>1K Silicones</li> <li>2K Silicones</li> </ul>	<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 &amp; Sealing</li> <li>- Isolation foam</li> <li>- Decor Panel bonding</li> <li>- Handle attachment</li> </ul>	<ul style="list-style-type: none"> <li>1K Silicones</li> <li>2K Silicones</li> <li>2K PU Foam (Isolation)</li> <li>1K Polyurethan</li> <li>2K Polyurethan</li> <li>1K Epoxy adhesive</li> </ul>	<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 &amp; steam chamber</li> </ul>	<ul style="list-style-type: none"> <li>1K Silicones</li> <li>2K Silicones</li> </ul>	<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 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

# FURTHER INNOVATIVE PRODUCTS

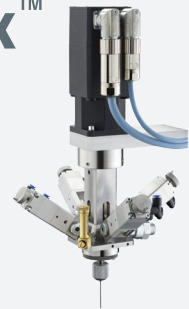
## eZbotic™

Standardized automated processing cell comes with various metering systems.



## eMotionMix™

High performance dynamic mixer provide constant homogenization qualities in sensitive applications.



## RT-Feeder 20

Robust and powerful ram-feeder units for unloading of medium to high viscous materials out of 20L drums.



## RT-Feeder 200

Robust and powerful ram-feeder units for unloading of medium to high viscous materials out of 200L drums.



# AUTOMATION

Reinhardt Technik is a technology solutions provider. In addition to the metering and mixing equipment, we also offer the complete automation system in the exact required specification.

Our know-how in assembly automation comprises:

- Pre-treatment (plasma, flaming, priming,...)
- Application of one-, two- or more component adhesives and sealants
- Various robot and handlings systems
- Plant design
- Curing processes
- Process control /Process visualization
- Data logging and documentation
- Quality assurance
- Remote service



## YOUR GLOBAL PARTNER IN DOMESTIC APPLIANCES

- **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**

