



# Your expectations **our solutions!**

## Coating, bonding & sealing for domestic appliances

Perfect surfaces.

Individual configuration.

High efficiency & reliability.





# We accept challenges.

WAGNER GROUP: strong brands – strong performance



**We offer devices, equipment, and systems for all industrial surface coating, sealing and bonding applications. Our innovative products and solutions stand out due to their quality, efficiency and productivity.**

As a market leading manufacturer of high tech systems, we offer components for the application of liquid and powder lacquers and paints to surfaces. As one of the few providers in this market we offer a complete product and technology range for the complete process sequence, starting with feeding the product, followed by mixing, moving and controlling to finishing the optimal application to the surface. Efficient use of resources, maximum quality and cost-effectiveness is our maxim - in every case!

## WAGNER Development center

The modernly equipped WAGNER Development Center sets new standards for the development of products and solutions for the surface coating industry - be it for the first idea or the series production start. The WAGNER Development Center also ensures compliance with all national and international standards and regulation as part of the product development.

## WAGNER Technology center

At our Markdorf site, WAGNER has a unique technology center with a floor space of more than 1,400 m<sup>2</sup> for liquid and powder coating. Our competence center for enamel coating (WAGNER S.p.A.) is located in Valmadrera/Italy.

As well as using the center for our own product development and for training purposes, it is also available to product manufacturers and coaters, for them to work with WAGNER to develop process parameters and system configurations for optimum coating results.

## WAGNER Service

Always near you - the WAGNER service network. WAGNER offers its customers a global service. At our locations you will always find the right contact person with an answer to all technical questions. We recommend regularly undertaking preventative checks and maintenance on your system. Various qualified and certified services (e.g. maintenance contracts, operational reliability checks) are available for this purpose.

## WAGNER Distribution support

WAGNER has a large network of qualified distributors around the world. Depending on their specialization, they provide not just components and spare parts but also solutions and various user advice services. For information about your nearest WAGNER dealer, please visit our website: [www.wagner-group.com](http://www.wagner-group.com)



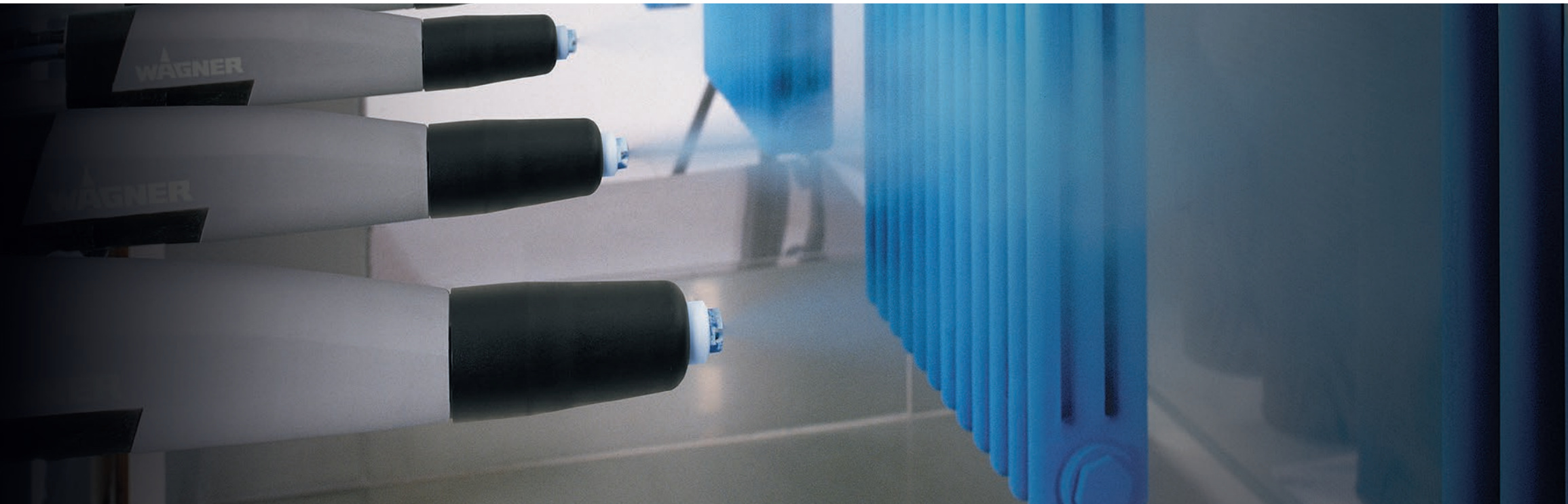


# Experience fascinating surfaces

Domestic appliance parts must fulfil the highest requirements in terms of quality and safety. WAGNER offers ideal coating, bonding and sealing solutions, guaranteeing optimum results, not only in terms of the visual aspect, but also concerning protective aspects.



The WAGNER Group provides solutions that are individually tailored to meet the demands of domestic appliance suppliers for high-quality surfaces and reliable production processes. Our coating, bonding and sealing products can be applied to a wide range of plastic, glass and metal components, electronic elements and decorative parts. Our reliable after-sales service guarantees long product service lives and high profitability for your business.



## Powder coating

We supply a wide range of custom-built solutions for powder and enamel coating applications. These solutions stand out through their versatility, quick color changes, ability to be cleaned easily and environmentally-friendly powder recovery systems.

### Application areas:

- Built-in ovens (enamel powder)
- Gas stove grids (enamel powder)
- Flat parts for cookers
- Microwaves
- Internal & external water heater components (enamel powder)
- Stove pipes (enamel powder)
- Heating & cooling elements (organic powder)
- Washing machines, dryers & dishwashers

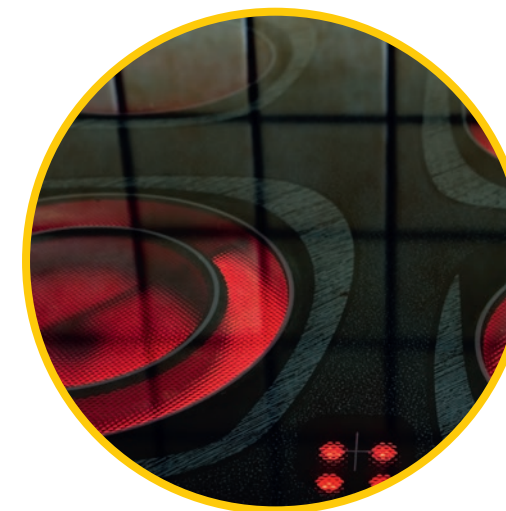


## Liquid coating

WAGNER provides components and solutions for the manual and automatic application of liquid enamel, solvent and water-based coatings. Our main objectives are to produce reliable surfaces which are protected from corrosion.

### Application areas:

- Plastic components
- Cook tops (liquid enamel)
- Grids (liquid enamel)
- Burners (liquid enamel)



## Bonding, sealing and encapsulation

Our bonding and sealing solutions not only enable combinations of new materials and improved quality, but also offer the opportunity to down-size and reduce the weight of products in a simplified production process.

### Application areas:

- Ovens
- Microwaves
- Washing machines
- Dryers
- Freezers
- Refrigerators
- Dishwashers



# Solutions for large appliances

Large appliances require perfect surfaces. Manufacturers face strong demands in terms of aesthetically-pleasing designs and long service lives for their products. The excellent coating and bonding solutions offered by WAGNER guarantee optimum results in these areas.



## Grids & burners

Grids can be coated with powder and liquid enamel, and burners with liquid enamel.



## Ovens

Possible coating areas include internal parts of cavities (which are coated with powder enamel) and external parts of ovens (which are coated with organic paint). Some of our other relevant processes include bonding glass ceramic hobs and glazing on glass doors.

## Refrigerators

In general, flat panels are coated with organic powder paint, and adhesives are used for accessories and injected foam. Our strengths include: bonding and sealing the casings, applying insulation foam, adding decorative panels and bonding handle attachments.



## Ovens

Heat-proof and mechanical elements are coated with enamel, decorative elements (which come in a variety of colors) are mostly coated with organic powder, and certain accessories are coated with liquid paint. Adhesives and sealing processes are used to bond the components to the metal frame.

## Washing machines & dryers

External panels (coated with organic powder paint), top covers (with liquid coating). Bonding applications include tops & door panels, bonding of condensers and the attachment of counterweights & insulating elements.



## WAGNER automatic application of powder

WAGNER's automatic guns deliver superior surface results and high transfer rates. They follow the work piece geometry fully automatically and with utmost precision.



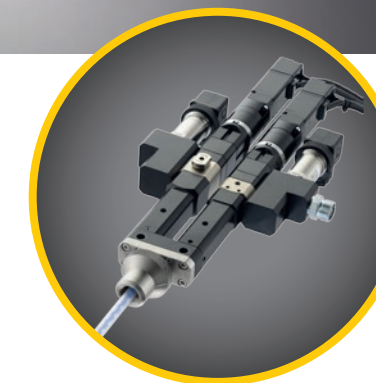
## WAGNER low-pressure application technology

WAGNER offers manual and automatic Airspray guns, with or without electrostatic support. They achieve the highest surface qualities and finest atomization.



## WAGNER CoatMaster

The CoatMaster system enables the coating thicknesses achieved to be measured continuously before curing. If the target thickness is exceeded or not achieved, the amount of powder is adjusted automatically.



## REINHARDT TECHNIK ContiPro

The ContiPro system is a two-component metering applicator for use in bonding, sealing and encapsulation. It is ideal for processing the smallest volumes of material with the highest degree of accuracy and reproducibility.



# Solutions for heating and cooling

WAGNER's high-quality technology guarantees controlled coating thicknesses. WAGNER's application technology and adhesive solutions provide customers with complete support for their production lines.

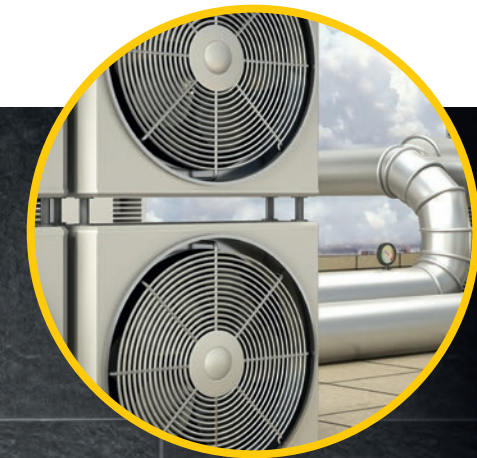
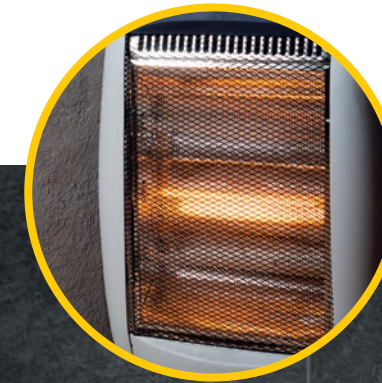


## Accessories

Most accessories are liquid coated as they contain plastic components.

## Radiators

Organic powder paint produces decorative results and is available in many different colours.



## Heating and cooling equipment

Outdoor products such as exhaust pipes and ventilators require UV protection. Decorative elements (potentially made up of many colors) are generally coated with organic powder, and certain accessories are coated with liquid paint. Adhesives and sealing processes are used to bond the components to the metal frame.



## WAGNER Booth technology

Ranging from basic booth systems for entry-level applications and small operations to fully automated powder coating units combined with pre- and post-coating systems, we have the ideal solution for quick color changes and efficient powder use.



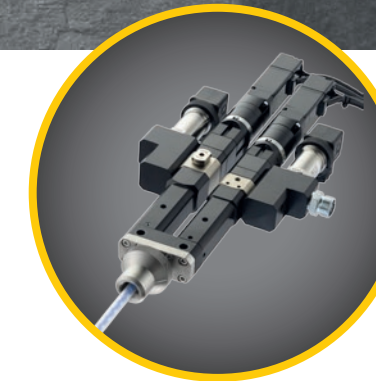
## WAGNER Powder centers

At the heart of the powder supply, the powder center ensures that the required quantity of powder is fed from the original container to each application device.



## WAGNER low-pressure application technology

WAGNER offers manual and automatic Airspray guns, with or without electrostatic support. They achieve the highest surface qualities, finest atomization and smallest droplet sizes.



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# Water heater solutions

Fully automatic applications provide strong protection against water corrosion. Enamel powder is used to create robust inner coatings, whereas the outside is coated with organic powder for decorative purposes (generally in white).



## Insulation

Bonding of insulation foam and accessories.

## Outdoor parts

Outdoor parts are coated with organic powder for aesthetic purposes, mostly in one color (white).

## Corrosion protection

Fully automatic applications for water heaters with powder enamel to protect against water corrosion.

## Plastic accessories

As the powder curing process is not possible for plastic work pieces, liquid coating with low film thicknesses is used.



## WAGNER Movement systems

The WAGNER product range for movement technologies covers all areas that are important for achieving excellent coating results. The product range offers various systems with solutions for all coating applications.



## WAGNER powder automatic application

WAGNER's automatic guns deliver superior surface results and high transfer rates. They follow the work piece geometry fully automatically with utmost precision.



## WAGNER 2K systems

With the mixing and dosing units, TwinControl, FlexControl Smart, 2K COMFORT and Cobra 2K, WAGNER offers a powerful product family that perfectly fulfils the requirements of many industrial applications.



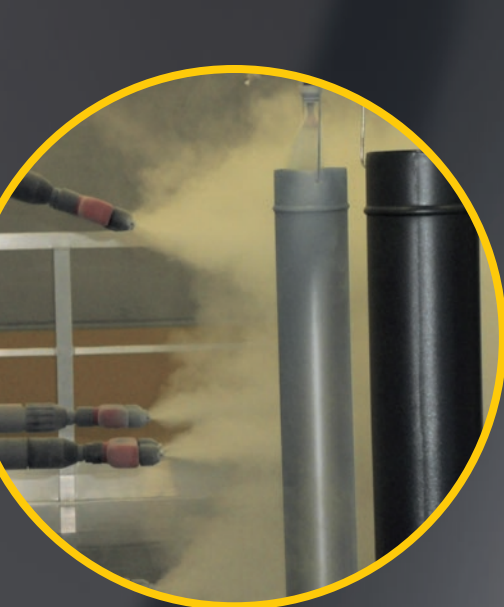
## REINHARDT TECHNIK ContiPro

The ContiPro system is a two-component metering applicator for use in bonding, sealing and encapsulation. It is ideal for processing the smallest volumes of material with the highest degree of accuracy and reproducibility.



# Solutions for fume exhaust pipes

Tubes can be protected from high temperatures inside and out, with enamel powder coating.  
Sometimes the outside is colored with enamel powder for aesthetic reasons.  
The hoods are usually coated to offer an alternative to stainless steel.



## Stove pipes

Coated with enamel powder to provide heat protection and ensure durability.



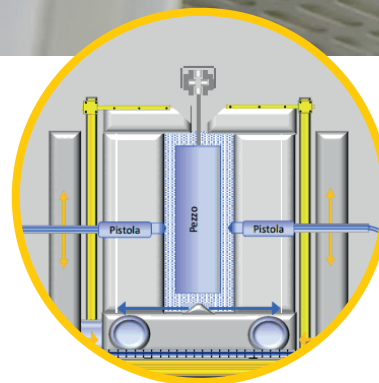
## Extractor hoods

Hoods are coated with liquid or powder to match the color of the other kitchen components or for aesthetic purposes.



## WAGNER Powder Center

The enamel powder center enables quick color changes on enamel installations and offers a high level of flexibility in terms of colors and products.



## WAGNER SuperCube

The SuperCube enables a perfect combination of unused and recovered powder thanks to our suction technology and PVC booth.



## REINHARDT TECHNIK eZbotic

The eZbotic is a standardised automated processing cell which can be configured with various metering and mixing systems so that it is always optimally set for individual application requirements. Its flexibility enables it to be used in many different bonding, sealing and casting applications.



## WAGNER GA 5000

The GA 5000 automatic electrostatic gun is the ideal solution to meet automation requirements in the coatings industry. It significantly economises the materials used compared to conventional application methods. In combination with the new EPG 5000 control unit, material usage is reduced due to an optimized application.



# Solutions for barbecues

Enamel powder coating is required to protect the barbecue's main body from high temperatures (inside & out). Sometimes the outside is colored with enamel powder for aesthetic reasons.



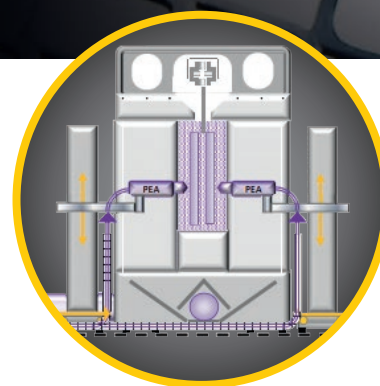
## Heat resistance

Colored enamel powder coating protects the barbecue itself from high temperatures. Two coating layers are applied to the work piece, either with the standard procedure of curing after each coating step, or by means of our Coat-2-Coat technology which cuts out one curing step.



## Housing design

Coloured liquid enamel applications are used when the particular process requires powder coating on top of liquid paint to produce a light colour finish.



## Enamel booths

Perfect suction with our recovery system enables the optimum combination of powder, a clean environment and easy access to the booth.



## 3-axis robot

With the 3-axis robot you can achieve perfect results using all 3 axes during the application.

- Less emissions
- Less burn problems



## Air Treatment Group

With the ATG it is possible to control the level of humidity and the temperature of the air in contact with the enamel to improve the application results.



## WALTHER PILOT WA 700-AR

The Walther Pilot automatic spray gun, WA 700-AR, has been specially designed for spraying highly abrasive materials. Depending on the application required, the spray gun is available with internal or external controls. A wide range of nozzles is available to cater for a variety of different applications.



# Solutions for small appliances

The quality of WAGNER's equipment enables high performance and flexibility in production, fast color changes and a high level of application for decorative purposes.



## Sealing & bonding

Bonding and sealing of the water box and steam chamber with 1K or 2K silicones.

## Liquid coating

Liquid coating applications for high gloss results and mechanical resistance.

## Electric kitchenware

Coffee machines, mixers, irons, etc. – everything can be coated with liquid and organic powder.



## WAGNER Powder application

WAGNER's powder guns achieve greater efficiency and perfection with both manual and automatic coatings.



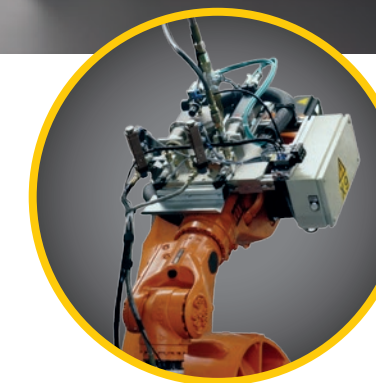
## C.A. Technologies Automatic airspray guns

Automatic guns from C.A.T. combine the highest transfer efficiency with superior atomization quality. These automatic guns offer multi-application capabilities and enable different forms of atomization. A wide range of attachments is also available.



## WALTHER PILOT Pressure tanks

With our pressure tanks, materials are conveyed free of pulsations which produces excellent spraying results. Unlike conventional air atomizing guns, the time-consuming refilling of gravity feed and pressure cups is no longer necessary.



## REINHARDT ContiFlow Robot

The ContiFlow Robot is a modular and flexible concept for individualised automated systems. The meter mix components can be integrated into many different machine or system concepts. With this robot, you can benefit from a perfectly integrated solution for all your metering and mixing applications.



„With WAGNER solutions, we can achieve cost-effective production processes.“



WAGNER supplies machines, equipment and systems for all areas of industrial surface coating, sealing and bonding. Our innovative products and solutions stand for quality, efficiency and productivity.

**Your advantages:**

- Complete product range for applications in liquid as well as powder coating, sealing and bonding
- High-quality, durable products and systems
- Customized solutions for individual requirements, including tailor-made interface management
- Extensive training and support services
- Worldwide availability with our international locations and sales network



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