



Innovative surface technology
for industrial applications.

Wood & MDF



Welcome to WAGNER.

We bring color, protection and function to surfaces.

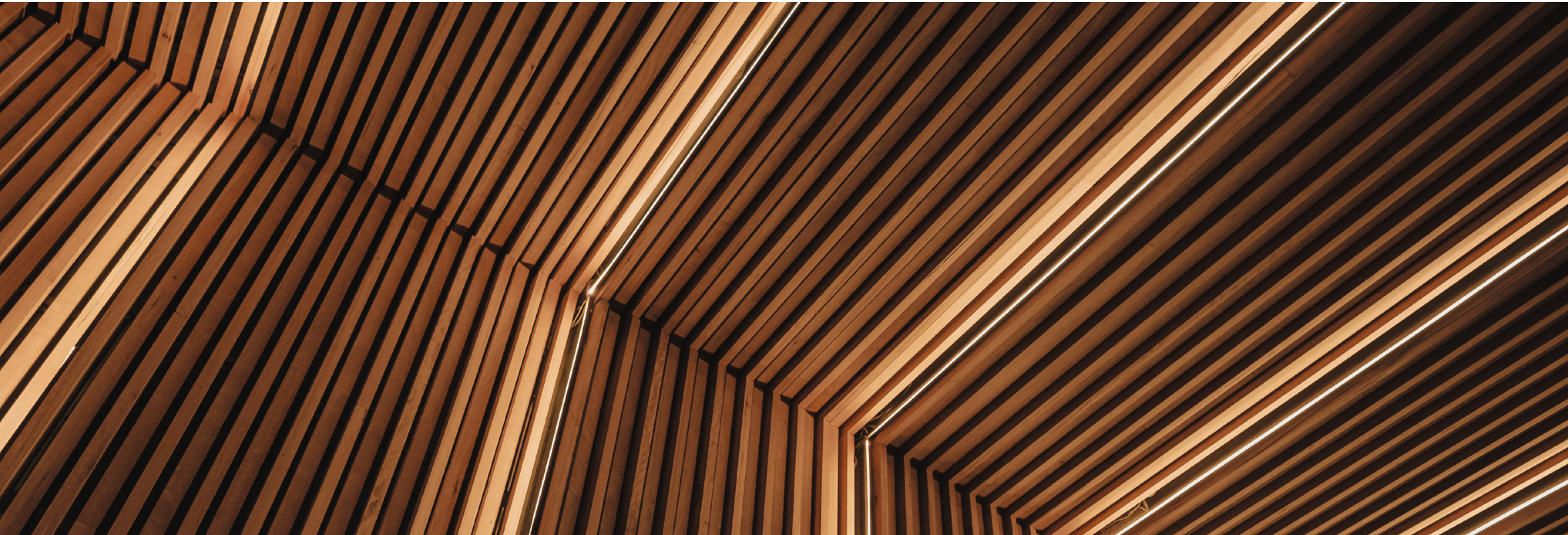
J. Wagner GmbH is one of the world's leading manufacturers of equipment and systems for the finishing of surfaces with powder coating and liquid lacquers, paints and other liquid materials. The Industrial Solutions division with its brands WAGNER, WALTHER PILOT, Reinhardt-Technik and C.A. Technologies stands for high quality, efficiency and productivity in all areas of industrial applications.

Whether in the automotive, wood and MDF, Protective Coating, household appliance or agriculture, construction and transport sector - we offer you the entire technology range and individual solutions for your application.

Which challenge can we support you with?



With us you will reach your goals.



Research & Development

We bring ideas to life in our modern research and development center at our Swiss location in Altstätten. We evaluate new technologies and accompany product ideas from development to series production. We can draw on our team's perfect mix of many years of experience and shared expertise, all of which enable WAGNER to develop high-quality, innovative products and solutions.

Engineered Systems

Our engineers not only advise and supply you with reliable standard products from our extensive portfolio. We will also be pleased to support you in the development of a system solution individually designed for your specific application. Even for demanding processes, we develop complete coating systems with perfectly matched components that reliably meet your requirements – regardless of the industrial sector in which you are active.

Worldwide Service

You want to keep your process reliability at a constantly high level through regular maintenance and planned service calls? You need information about repairs, spare and wear parts or updates of your equipment? The experts in our global WAGNER service network always offer you professional and personal support.

Technology Centers

Our technology centers at various locations in Europe, China and the USA offer you the opportunity, with the support of our experienced application specialists, to determine and test the right coating solution for the respective application under real production conditions. Even after the purchase of a WAGNER system, you will receive expert advice to help you continuously improve your production processes and achieve high-quality results.

Training & Education

The WAGNER Academy is the right partner for training and further education in the coating industry. You receive an all-round professional service – from open training courses with participants from different companies to individually tailored training courses on your own premises. In addition, the WAGNER Online Academy offers you a range of online learning content, with which you can also continue your own further training in your desired subject area.

Experience fascinating surfaces.

Not all wood is the same. In addition to naturally grown woods, there are also composites such as MDF, chipboard or multiplex, with different characteristics and processing requirements. Wooden objects can be large or small, loose or assembled, curved or flat, vertical or horizontal, with simple or complex shapes. We offer the right technology for every application - manual or automatic paint applications, paint supply, mixing and dosing units and much more. Products for sealing and bonding various wood parts are also part of our portfolio.



Powder Coating

WAGNER MDF powder coating technology enables total, consistent and seamless performance, so that the color shade reaches every spot. It is environmentally friendly and enables immediate further processing of the coated object.

Typical applications:

- Kitchen
- Bathroom furniture
- Children furniture
- Interior
- Accessories



Liquid Coating

Liquid coating is the most widely used type of lacquer application for wooden objects. It offers the ideal solution for achieving high-quality surfaces with an excellent gloss level.

Typical applications:

- Kitchen
- Windows & doors
- Seating furniture
- Stairs
- Timber



Bonding & Sealing

Bonding and sealing represents an important part of wood processing, where different object parts and materials are combined. Both manual and automatic applications of adhesives and sealants are possible.

Typical applications:

- Kitchen & furniture
- Windows & doors
- Interior
- Timber

Solutions for kitchen furniture

Kitchen furniture is often exposed to water, steam and high temperatures. Our solutions ensure that the surface is not affected by this and retains its high-quality appearance at all times. The primer, paint and high-gloss finish can be applied using both manual and automatic coating technology.

Kitchen fronts

MDF powder coating technology is the ideal solution for kitchen furniture, because it allows for an even application of varnish on all corners. The powder coating prevents the formation of cracks in the event of swelling of the MDF panel.

High-gloss surfaces

Very high quality surfaces can be achieved with our paint finishing solutions. With WAGNER equipment, you get high-quality primer coats and can reduce the cost of sandblasting before applying the topcoat.

Furniture components

We also offer a wide range of automatic and manual solutions for gluing furniture components, suitable for both sprayable and extrudable adhesives.



Automatic liquid coating

The GA 4000AC automatic AirCoat gun with optional internal or external control was designed for use in automated painting systems and achieves a very high application efficiency.



2K systems

With the TwinControl, 2K Smart and 2K COMFORT mixing and dosing units, WAGNER offers a powerful product family that fully meets different requirements for numerous industrial applications.



Pump technology

Whether paints, stains, release agents, primers, adhesives, chemicals, high or low viscosity, aqueous or with high solids content - WAGNER offers the right feeding pump for every medium and application. Our pumps are a compelling proposition with their low-icing air motors, high reliability, ease of maintenance, low wear, and low energy consumption.



Glue application

Handling adhesives often places special demands on spray guns. WALTHER PILOT offers both manual and automatic guns for applying solvents and water-based adhesives, as well as adhesives with a high solids content.

Solutions for windows & doors

Windows and doors, both interior and exterior, must meet many requirements: In addition to an attractive appearance, high weather resistance and reliable protection against external influences such as exhaust fumes, dirt or UV radiation play an important role outdoors.

Liquid coating

Whether you use water-based or solvent-based material, we offer you a suitable individual solution. Our electrostatic systems reduce your paint consumption and increase your productivity.

Windows

Silicone plays an important role in the processing of windows. We offer a wide range of pumps for manual and automatic application processes.



Automatic AirCoat guns

The combination of airless and airspray provides high atomization quality and reliable application efficiency. AirCoat produces excellent coating quality at significantly lower spray pressure than airless. The WAGNER automatic versions are ideally suited for use in flatbed machines and on robots.



High-pressure diaphragm pump

The WAGNER Cobra is the only pneumatic high-pressure diaphragm pump on the market. The pump has been specially designed for high reliability and strong performance. Perfectly suitable also for reactive materials.



Airspray guns

Almost all coating materials can be processed with airspray guns. These include not only paints and varnishes, but also adhesives, release agents, oils, etc. The electrostatic guns are available as versions for solvent and water-based paints. With them, you can achieve an efficient application efficiency with high surface quality at the same time.



Silicone application

The Ecostar evo manual 2K dosing and mixing system from Reinhardt-Technik delivers adjustable mixing ratios and helps reduce overall manufacturing costs by increasing labor efficiency.

Solutions for seating furniture

Chairs, armchairs and sofas come in all sizes and shapes. They can make a room inviting and comfortable. Water and solvent-based coating technologies play a major role in achieving a high-quality appearance. Many objects require the gluing of different types of cushions and fabrics to the wood structure.

Liquid coating

By using the electrostatic equipment for water-based or solvent-based paints in manual and automatic processes, you can save paint consumption and greatly improve productivity.

Bonding application

We offer a wide range of automatic and manual solutions for the bonding of seating furniture parts.



Electrostatic system for water-based coatings

WAGNER AquaCoat systems have been developed for the electrostatic processing of water-based coatings and release agents. They enable fine atomization and homogeneous wetting with minimal coating thicknesses.



Electrostatic guns

WAGNER electrostatic manual and automatic guns are a compelling proposition with their high reliability, process and work safety. Due to the external power supply with the WAGNER control units, the guns are very light, robust and vibration-free. Their operating design makes them as versatile as they are easy to handle.



Pressure tanks

With WALTHER PILOT pressure tanks, the material flow is absolutely pulsation-free, allowing excellent spraying results. The time-consuming refilling of guns and pressure tanks common to all other current air atomization guns is no longer necessary.



Adhesive processing

Handling adhesives often places special demands on spray guns. WALTHER PILOT offers both manual and automatic guns for applying solvents and water-based adhesives, as well as adhesives with a high solids content.

Solutions for interior & accessories

Floor coverings, wooden stairs, baseboards, small pieces of furniture - all these parts have to meet different requirements and withstand various external influences. WAGNER offers specific, customized solutions for liquid and powder coating as well as for adhesive and sealant applications.

Liquid coating

Regardless of the size or shape of the objects that need to be coated with varnish - we have the optimal solution for you.

Bonding application

You benefit from a wide range of automatic and manual solutions for bonding interior trim and accessories.



Manual & automatic powder coating

Our manual guns and systems stand out due to their easy operation, our automatic systems due to their high efficiency. This technology is the result of a process of continuous further development to achieve strong performance in a multitude of coating applications.



Airspray guns

Almost all coating materials can be processed with airspray guns. These include not only paints and varnishes, but also adhesives, release agents, oils, etc. The electrostatic guns are available as versions for solvent and water-based paints. With them, you can achieve an efficient application efficiency with high surface quality at the same time.



AirCoat applications

The combination of airless and airspray ensures high atomization quality and a reliable application efficiency. AirCoat produces excellent coating quality at significantly lower spray pressure than airless. Manual and automatic applications are possible.



Gear metering system

The ContiFlow Vario from Reinhardt-Technik is a compact and variable table top unit for manual and semi-automatic production processes.

Solutions for the construction industry

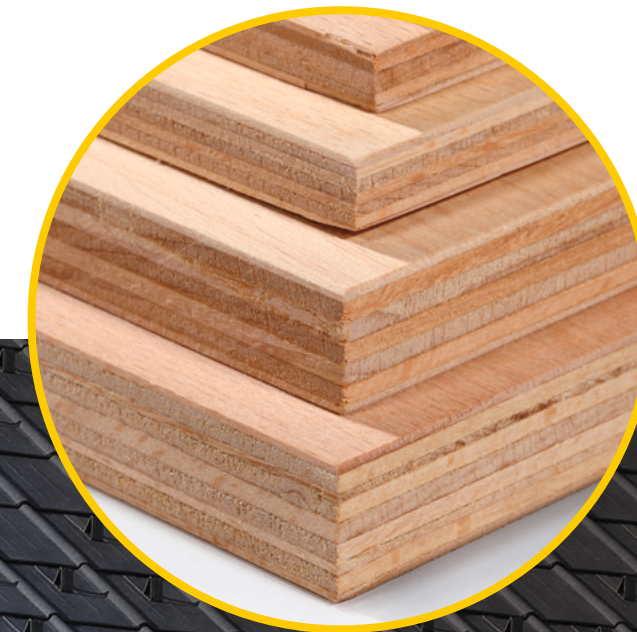
Construction wood can be used in its natural form or consist of different layers, such as multiplex panels. When used in the construction industry, this wood must be very resistant to weathering and provide reliable protection against UV radiation and fire.

Wooden facades

Coating exterior wood surfaces usually requires the use of highly viscous water-based materials. With our powerful pumps and high-quality spray guns, you are perfectly equipped.

Cladding

Inline processes with automatic high-speed application are the usual solution for cladding production. Our know-how complements the performance of your product.



Wood gluing

Our automatic and manual solutions offer a wide range of options for the application of sprayable or extrudable adhesives.



Airless applications

WAGNER airless guns meet all requirements for the use of highly filled and highly viscous coating materials. The quality of the components and materials used ensures high availability and low downtimes.



Automatic AirCoat guns

The combination of airless and airspray provides high atomization quality and reliable application efficiency. AirCoat produces excellent coating quality at significantly lower spray pressure than airless. The WAGNER automatic versions are ideally suited for use in flatbed machines and on robots.



High-pressure pump technology

The Puma 28-40 high-pressure piston pump is suitable for airless and AirCoat applications. It is ideally suited as a finishing or hardener pump for individual professional painting stations.



Gear metering system

The ContiFlow Vario from Reinhardt-Technik is a compact and variable tabletop unit for manual and semiautomatic production processes.

Solutions for MDF surfaces

WAGNER's technology for the electrostatic powder coating of MDF workpieces is ideal for furniture and interior design production. It enables seamless all-round coating with uniform, scratch-resistant surfaces that fit the MDF panel form-fittingly and can be processed immediately. The powder coating effectively protects furniture in wet areas such as bathrooms or kitchens against water damage in particular.

Reliable protection

Contact with or exposure to moisture in particular presents a challenge when processing MDF workpieces. With WAGNER's powder coating technology, the finishes on the edges are homogeneous and sealed around. The powder coating prevents cracking if the MDF swells, which is a decisive advantage especially for kitchen and bathroom furniture.

Robust surfaces

MDF powder coating gives the paint a robust surface finish. This is particularly useful where furniture is subject to heavy use. Joint-free surface applications make especially the sensitive areas such as edges or finishes very resistant. This property plays a major role especially in the production of children's, office or kitchen furniture.

Sustainable technology

MDF powder coating is an environmentally friendly alternative to traditional liquid coating, lamination or film coating. The amount of CO₂ emitted per m² of coated surface is up to three times lower when powder coatings are used than with conventional UV and water-based coatings. This type of coating also does not require any solvents at all. Excess powder is recovered and returned to the powder cycle.

Maximum design freedom

Whether simple or complex geometries with 3D structures, indentations or recesses – almost any workpiece shape can be coated reliably and seamlessly with MDF technology, so that the color tone reaches every spot. This design versatility offers furniture designers or interior designers, for example, a wide range of possibilities.



Automatic powder coating

WAGNER automatic guns are designed for very high coating performance, efficiency and service life. With the high-performance charging and atomization system, perfect surfaces are achieved with optimum material utilization.



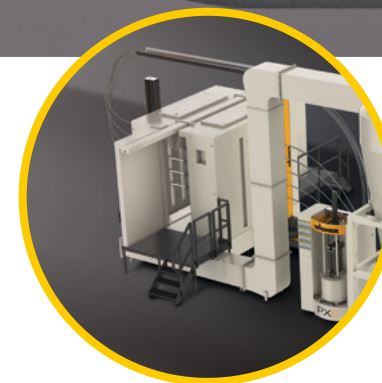
Powder centers

The powder center, as the heart of the powder supply, ensures that the required material quantity is conveyed to the guns. Whether you want to feed the powder from the original container or from other containers – we support you professionally and competently in the selection of the right feeding technology for your coating requirements.



Powder recovery

WAGNER recovery systems separate the powder/air mixture extracted from the booth and return the separated powder back into the powder circuit. You can choose between filter and cyclone recovery systems.



Booth technology

From systems for new and small businesses to fully automatic powder coating including pre- and/or post-coating, we always offer the right solution for fast color changes and efficient material utilization.



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