

WAGNER

Irresistible good looks!



MDF powder coating

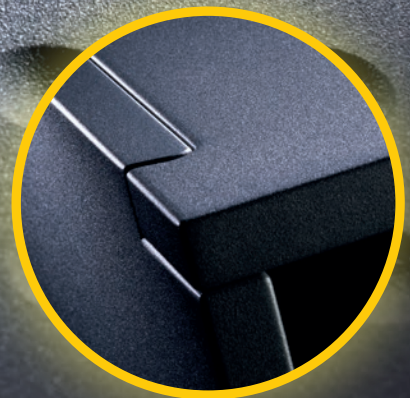
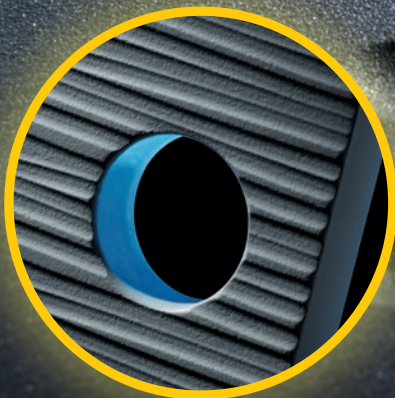
Modular concept.
Individual configuration.
Simple operation.

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The efficient solution for maximum surface

WAGNER MDF powder coating for maximum productivity.

- Reliable, fast, versatile
- Smooth surfaces and seamless transitions
- Durable, robust coating in 1- or 2-coat structures



e quality

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

WAGNER's advanced MDF powder coating technology is ideal for the construction of furniture and contract furnishings. The special WAGNER coating technology and the low melting point of the powder paints enable all-round coating superior to other processes. This produces robust surfaces that mold themselves perfectly to MDF panels. Subsequently, you can immediately work with the part. That saves an enormous amount of time in your production process.

- Cost and energy-efficient coating
- Excellent and clean surface quality
- Quick color changes
- Eco-friendly and solvent-free



Perfection down to the smallest detail

**WAGNER MDF surface coating for maximum freedom
in the design and development of furniture and contract furnishings.**

WAGNER MDF surface coating is a leap ahead for the design, development and planning of new furniture or contract furnishings. You have almost limitless options for shapes, surface structures, chamfers, recesses, cut-outs, and more. And the results are stunning. That's because the powder coating provides a wrap-around, seamless finish, achieving an even color on every surface. Giving furniture, interior decoration, and fitted furniture designers more scope than ever before. The range of colors lets your creativity flow. For perfect surfaces and perfect looks.



Optimal protection and sealing

WAGNER MDF powder coating technology applies a high-quality, moisture-resistant surface to furniture and fittings.

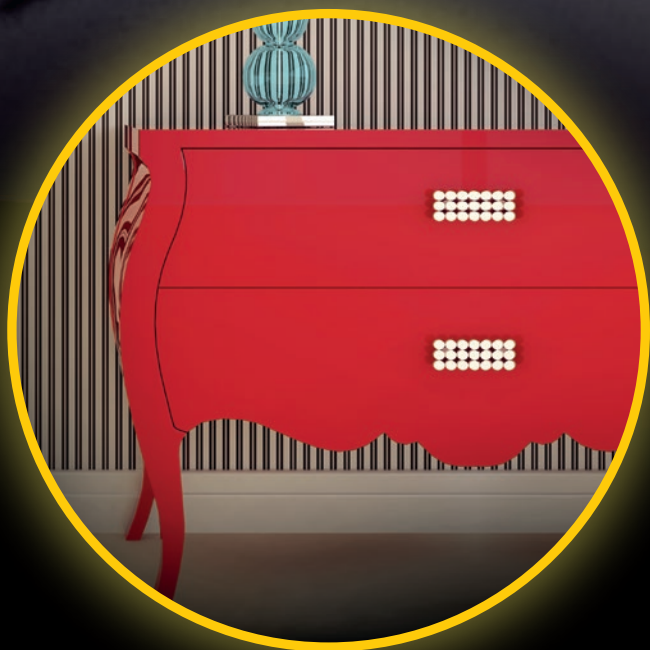
Contact with water or condensation represents a particular problem for workpieces made of MDF. That's where WAGNER powder coating technology provides the ideal solution. It seals all edges homogeneously and completely. The extra advantage is the flexibility of the powder coating. So no cracks form, even when the MDF panel swells up. That makes WAGNER MDF coating ideal for kitchen and bathroom furniture.



Tough enough to take the knocks

WAGNER MDF powder coating stands out because it makes furniture surfaces that shrug off the rough and tumble of daily life.

The paint application process ensures a durable, resistant finish. This is especially important wherever furniture and fittings are exposed to particularly high stresses. Seamless surface application makes critical areas such as edges and transitions extremely robust. What you get is a whole new dimension of toughness that is highly attractive for children's, office, and kitchen furniture as well as contract furnishings.



Powder for more sustainability

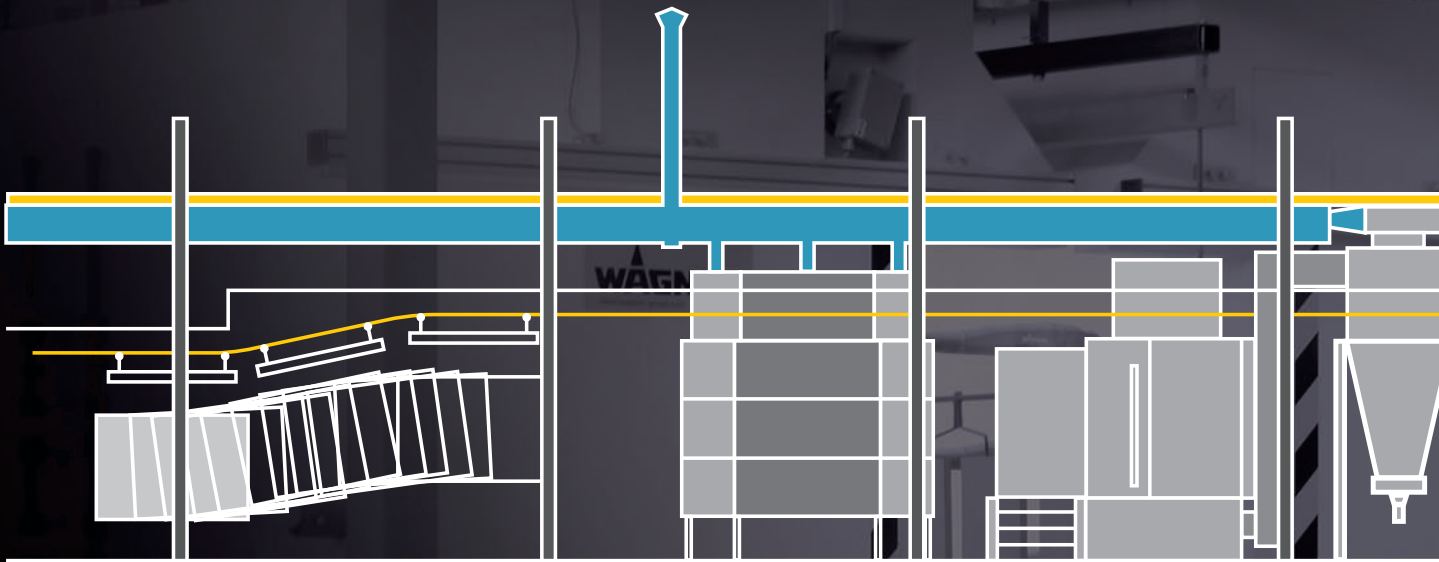
MDF powder coating also comes with unbeatable green credentials.

The process is an eco-friendly alternative to traditional wet painting, lamination, or foil coating because the quantity of CO₂ emitted per m² of coated surface is up to three times lower than with conventional UV- and water-based paints. What's more, this type of coating requires no solvents at all. WAGNER powder recovery systems capture excess powder and feed it back into the system. Combining ecology and economy.



As fast as it gets – the MDF powder coating

Rapid processing for significant time savings.



Charging and cleaning

It is essential during charging the gun to use vibration-free suspension systems. Vertical positioning, good earthing, and observance of a minimum spacing between the workpieces are just as important as subsequent cleaning with compressed air or by flaming. For guaranteed perfect coating results.

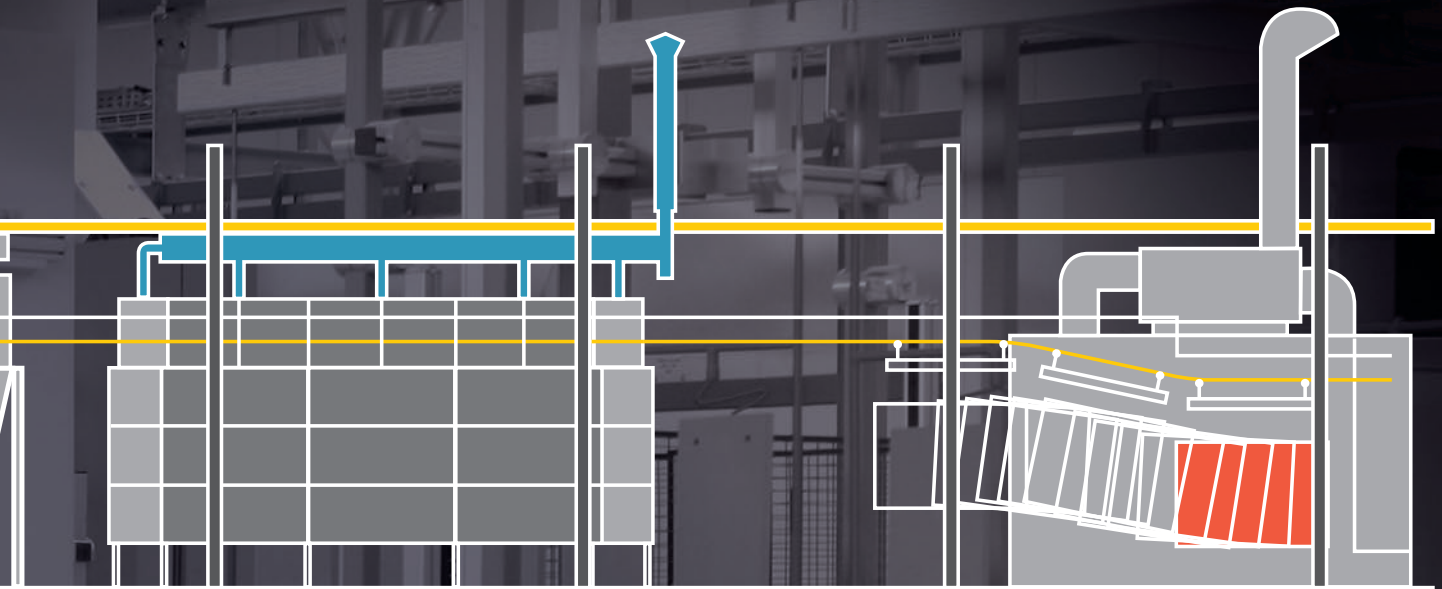
Activation

During activation, infrared radiation preheats the surface of the MDF workpieces to a temperature of 65 - 70 °C without heating the workpiece core. This process increases the electrical conductivity.

Coating

WAGNER Corona automatic guns coat the workpieces from both sides. The field controller ensures an even distribution of the powder coating on the workpieces and avoids the picture-frame effect.

g process



Curing

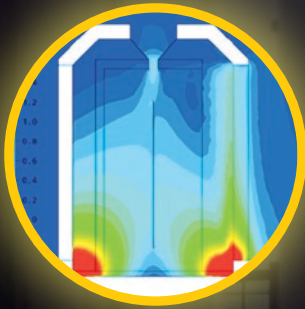
During this process stage, the powder is cured and hardened in an infrared stove. Curing takes approx. 3-5 minutes in a temperature range of 130 - 150 °C.

Cooling and discharging

The final step is cooling. Here, the coated workpieces go through either a natural or an active cooling process. Then the conveyor discharges them for further processing.

Everything you could want. Simple, fast, re

WAGNER MDF coating: so versatile for so many applications.
Individually configurable for the right solution every time.



Booths

WAGNER powder coating booths stand out for compact dimensions, top performance, and flexibility. Starting with affordable booth systems for beginners and small businesses right up to fully automatic powder coating combined with pre- and after coating – with WAGNER you find the ideal solution for any application.



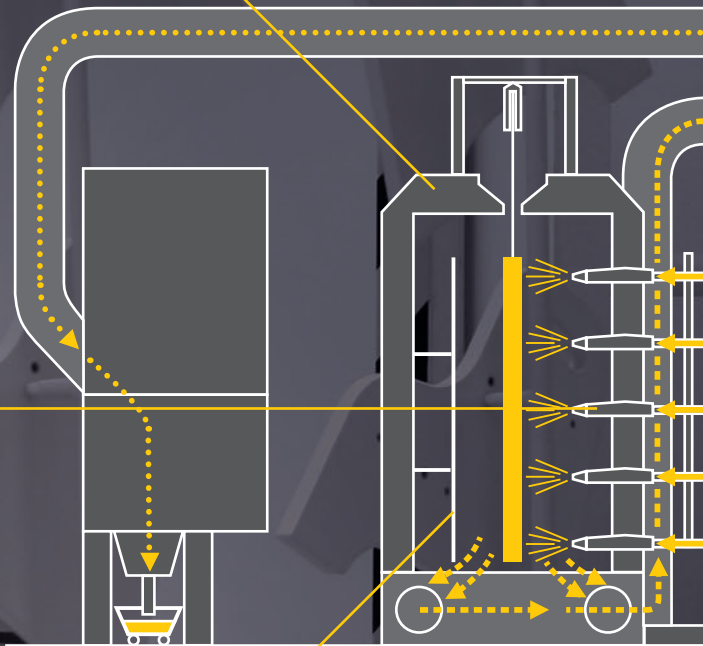
Application

WAGNER automatic guns are designed for maximum coating performance, efficiency, and service life. The high-performance charging and atomization system ensures flawless surfaces at optimal material consumption.

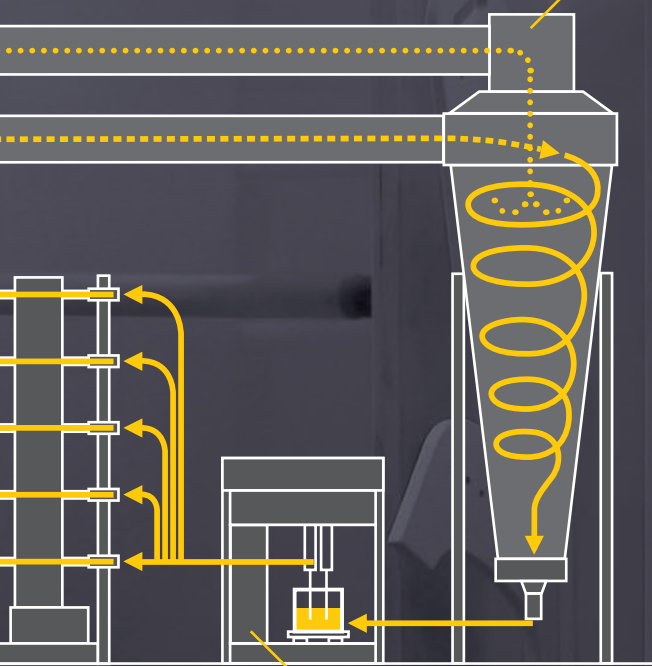


Field controller

The field controller controls the powder wrapover onto the rear side of the workpiece. It only coats the areas that need to be coated – with no waste. What's more, the field controller ensures an even distribution of the powder paint over the surface.



reliable, and efficient



Powder recovery

WAGNER recovery systems separate the powder/air mixture extracted from the booth and feed the isolated powder back into the powder system. Here WAGNER offers two different systems: filter recovery and cyclone recovery.



System control

WAGNER control systems control the entire powder coating line. Numerous interfaces mean the system can be integrated into the overall production process. The scope of functions ranges from simple gun control to complex motion technology. Different control and monitoring functions allow for reliable and reproducible coating operations.



Powder center

As the heart of the powder feeding system, the powder center makes sure the required quantity of powder is conveyed from the original package – whether a box or a container – to the place where it's needed (e.g. guns). Fast color changeovers enable an efficient coating process.



The perfect surface every time

WAGNER – your ideal partner for powder coating.

WAGNER ranks among the globally leading manufacturers of high-tech components and systems for the surface application of wet and powder coatings as well as paints and other liquid media. WAGNER boasts a full range of products and technology, from material feeders through mixing, dosing, movement, and control systems including material logistics, to surface application of the various media. Customers value WAGNER powder coating systems for their versatility, rapid color changeovers, easy cleaning, and eco-friendly material recovery.

The WAGNER Group has a global presence, with a workforce of approx. 1,450 people, 17 operative companies and around 300 WAGNER agencies worldwide. It operates seven R&D technology centers around the world. Equipped with the latest technology, these centers offer customers the opportunity to coat their products under real-life production conditions to find the most cost-effective plant configuration for them.



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