

MDF Powder Coating

POWDER APPLICATION

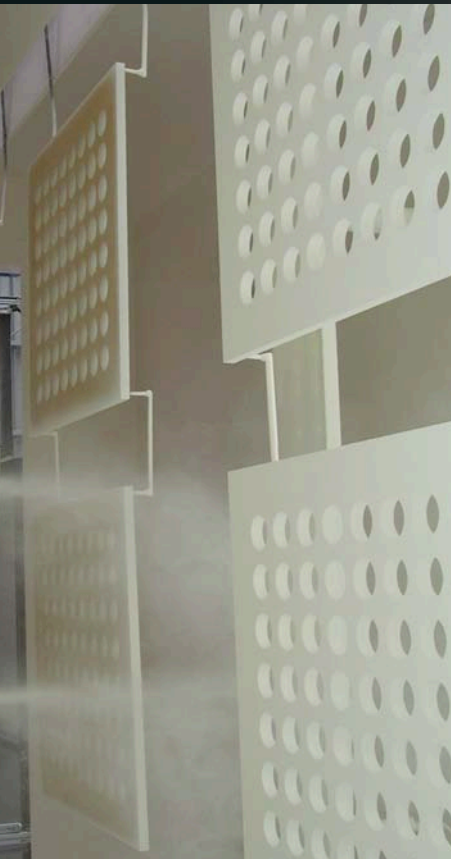


Environmentally friendly
Coating of 3-D structures
Jointless surfaces

MDF POWDER COATING - Clean and efficient

The major improvements in the development of modern application technology as well as conductive MDF plates and coating powders with very low melting points now make it possible to coat temperature-sensitive MDF parts. Therefore today more and more surfaces like furniture for kitchens, offices, bathrooms, children's rooms or shops are predestined for electrostatic powder coating.

WAGNER offers a wide product range for MDF coating as well as an extensive know-how which guarantees you the best, fastest, most secure and most efficient processes for your application.



ADVANTAGES OF MDF POWDER COATING

- Cost and energy-effectiveness
- Resistant surfaces
- Fast color changes
- Solvent free (VOC and other environmental regulations compliant)
- Design choices (3-D structures, cubic shapes, cutouts, etc.)
- Seamless all-around coating
- Ready immediately for further processing of coated parts

THE COATING

Two-layer quality

For quality reasons, a two-layer composition without any interim sanding loop is the standard for modern MDF powder coating. The first layer serves as a primer, the second layer as the final top coat. The primer application is an essential quality parameter to guarantee long term, free of cracks surface stability.

Seamless surfaces

In comparison to conventional processes with polyethylene foil or melamine paper, MDF powder coating provides a seamless surface, as molded in one cast.

Office furniture



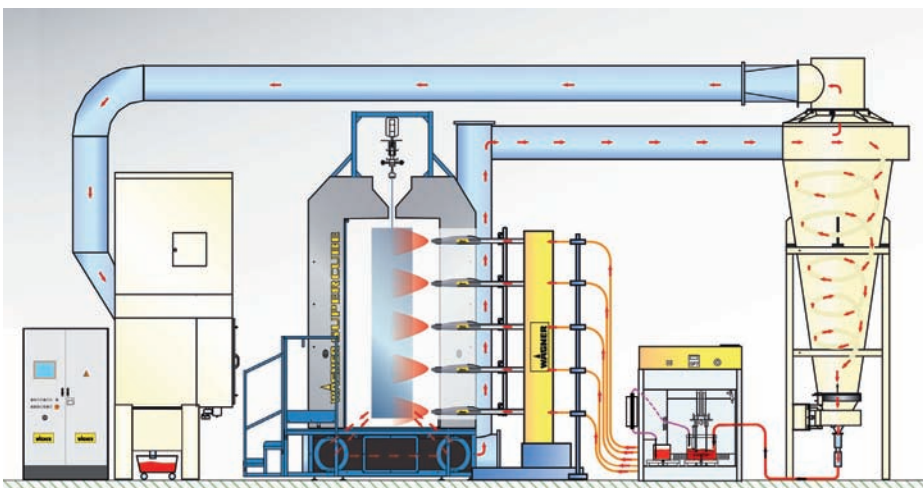
Information desk



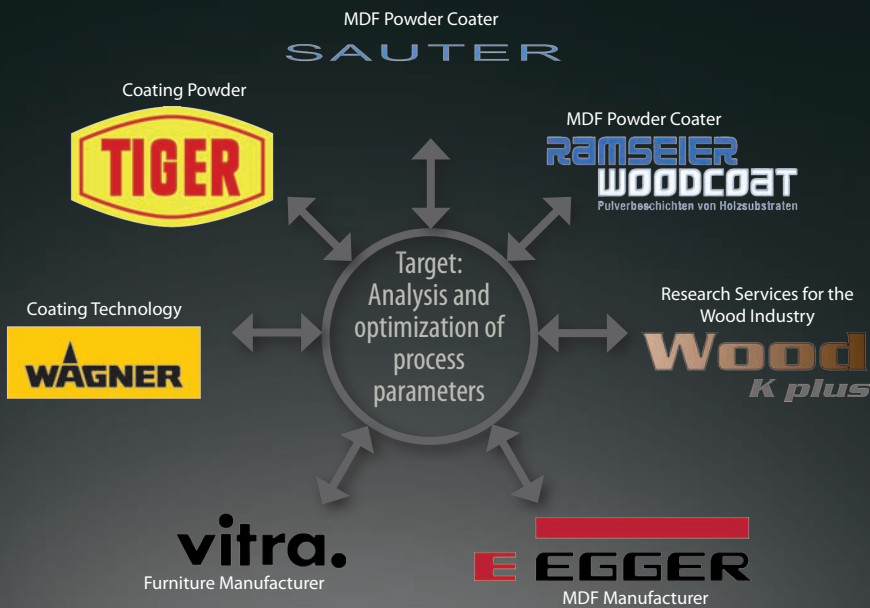
Structured surfaces



MDF POWDER COATING PLANT



- Powder center to feed the powder spray guns
- Reciprocator equipped with automatic electrostatic powder spray guns
- Regulated counter electrodes for field and powder wrap control
- Plastic powder booth for easy cleaning and fast color changes
- Cyclone for powder recovery with ultrasonic sieving and fresh powder supply
- End filter
- PC control with part recognition for powder spray guns and reciprocators



The MDF research team

Concentrated competence

Increasing the possibilities of powder coating wood based substrates by analysing, developing and process optimizing are the prime targets of the partners in the Wood K plus research team.

WAGNER - Group

WAGNER is the market leading manufacturer of high tech systems and components for the application of paints and powders to surfaces.

We globally develop, produce and distribute innovative products and solutions based on trendsetting technologies that meet the highest quality standards - all close to you. With our worldwide sales and service network, the WAGNER Group is one of the foremost suppliers in the surface finishing field.



The Wagner headquarters in Markdorf, Germany, near Lake Constance. Globally active and knowledgeable in sophisticated technologies for surface finishing.



J. Wagner AG
Industrial Solutions
CH-9450 Altstätten/SG
Tel. +41 (0) 71/7 57 22 11
Fax +41 (0) 71/7 57 23 23

J. Wagner GmbH
Industrial Solutions
D-88677 Markdorf
Tel. +49 (0) 75 44/5 05-0
Fax +49 (0) 75 44/5 05-1200

www.wagner-group.com