

Service portfolio
EBBINGHAUS VERBUND

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Ebbinghaus Verbund

Services for your surfaces. Joining forces for the benefit of customers. Since 1923, Ebbinghaus has been synonymous with high-quality organic coatings for metallic surfaces across a range of industries. Our services range from marketing innovative coatings to controlling and quality assurance, to business concepts and operating models.

In our own laboratories, we are constantly refining existing procedures and researching new surface solutions. Ebbinghaus Verbund Management- und Dienstleistungs GmbH in Solingen is a parent company in which firms such as Ebbinghaus Styria Coating GmbH in Graz and Oftec Oberflächentechnik GmbH & Co. in Hagenbach carry out their work.

Oftec Oberflächentechnik

The Oftec plant in Hagenbach, which opened its doors in 1998, is state-of-the-art in the field of surface protection. We offer one of the most modern and efficient painting plants in Europe, combined with more than 96 years of expertise in coatings. Just-in-time processing, batch separation, lot tracking, assigned storage and customer orientation – these are more than just slogans for Oftec. At the centre of its innovative concept are meticulous order processing, series production with consistent quality and environmental protection. It ensures these standards with cutting edge production processes, highly qualified staff and collaboration with high-powered partners. Among the unique features of this plant are driverless transport vehicles, workstations designed around ergonomic and physiological insights, an eco-friendly water circulation system and the latest systems for air purification and materials recovery. High-performance logistics ensures the shortest cycle times and precise adherence to timelines.

Ebbinghaus Styria

With the establishment of Ebbinghaus Styria Coating GmbH (ESC) in Graz in 2004, a contract coating business was developed in Austria to serve both the regional and national markets. With its diverse range of more than 5,000 articles and colour combinations, the plant is a veritable “surfacing factory” which is also capable of meeting a broad spectrum of logistical requirements. Coatings and logistics services, such as picking and special packaging are carried out on an area of more than 6,000 m². To better meet transportation, labelling and storage requirements, the latest IT systems communicate via EDI with customers to enable quick and accurate data transfer. The company developed its LTG (varnishing transport rack) specifically for the requirements of contract coating to achieve logistics synergies between Ebbinghaus Styria Coating and its customers.



Ebbinghaus Verbund GmbH,
42697 Solingen (Germany)

Operator models

Technical centre

Installed application systems for basic research and testing new coating systems.

Metallography

Microscopy

Grinding

Corrosion test

Cross cut

Salt spray test ISO 9227

Constant condensation water atmosphere ISO 6270-2 CH:2005-09

Alternating climate tests (VDA 233-102, ISO 11997-1 cycle B;

VW PV 1210:2016-02 and many more)

Research and development

Certifications for all locations:

ISO 9001:2015

ISO 14001:2015

ISO 50001:2011

Conformance IATF 16949:2016

Most common standards which all facilities comply with when applying coatings:

BMW GS 90011, LASW 1-3

MAN M3018 Abs. 3.3

Opel GME 00201 A

Mercedes-Benz DBL 7390.50, DBL 7391.50, DBL 9400.00,
DBL 7381, DBL 7392

VW 137 50, b100, b110, x630, x633, x634

ELV (End of Life Vehicles)

RoHS (Restriction of the use of certain hazardous substances in electrical and electronic equipment)

WEEE (Waste Electrical and Electronic equipment)

Oftec Oberflächentechnik GmbH & Co. KG, 76767 Hagenbach (Germany)

EPD dip coating plant with zinc phosphate, small

Max. part size: 2,400/800/1,400 mm (L/W/H)

Max. part weight: 700 kg

Max. part carrier load capacity: 700 kg/22 m²

Recirculated air temperature (furnace): 220 °C

Layer thicknesses: 8 - 13 µm/20 ± 5 µm/> 35 µm

EPD dip coating plant zinc phosphate, large

Max. part size: 2,400/1,500/1,400 mm (L/W/H)

Max. part weight: 1,500 kg

Max. part carrier load capacity: 1,500 kg/44 m²

Recirculated air temperature (furnace): 220 °C

Layer thicknesses: 8 - 13 µm/20 ± 5 µm/> 35 µm

Blasting machine

Max. part size: 2,200/2,000/2,000 mm (L/W/H)

Max. part weight: 800 kg

Powder coating plant

Max. part size: 2,400/1,500/1,400 mm (L/W/H)

Max. part weight: 1,500 kg



Ebbinghaus Styria Coating GmbH, 8055 Graz (Austria)

CDC coating

Maximum part size: 2,970 mm x 1,500 mm x 900 mm
Maximum weight: 750 kg / daily capacity > 200 t
Single component coating by means of dip coating in the colour black, RAL 9005

Wet coating

Maximum part size: 1,800 mm x 1,100 mm x 800 mm
Maximum unit weight: 45 kg
Single component coating by means of wet coating with solvent-based systems, dilute paints as well as high solids and multi-component systems.

PVC coating

Maximum part size: 1,700 mm x 1,000 mm x 800 mm
Maximum unit weight: 45 kg
Seam sealing, underbody coating

Powder coating

Maximum part size: 1,200 mm x 1,000 mm x 800 mm
Maximum unit weight: 20 kg
Single component coating by means of powder paints in polyester, acrylate as well as by means of mixed powder systems.

Wire mesh belt shot blast machine with metallic blasting materials

Maximum part size: 1,500 mm x 1,200 mm x 300 mm
Maximum unit weight: 150 kg
Cleaning oxidation from parts and smoothing laser edges.

Chamber shot blast machine with metallic blasting materials

Maximum part size: 1,400 mm x 800 mm x 800 mm
Maximum unit weight: 150 kg
Cleaning oxidation from parts and smoothing laser edges.



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