

OUR COMPANY

OUR INNOVATIONS

Hillebrand

Coating Technologies



Each of our employees is fully respected as a personality and partner in the production process.

All of our employees can show where his strengths lie and what he contributes to our joint success. This results in the readiness to make their own considerations and accept personal responsibility. Half of our more than 130 employees has been with the company for more than 10 years. They come from different countries, have brought diverse requirements with them and all pull together.

The emphasis of our production is on the automobile industry, the construction industry, the electrical industry and in mechanical engineering.

The following table provides you with an idea of our range of services:

Hillebrand Coating Technologies is one of the leading companies in the field of Cathodic Dip Painting (KTL) and premium powder coatings. Hillebrand provides standard solutions or tailor-made system solutions for all customer requirements. The surface refinement range includes both classic powder coating and the liquid paint range on a nano basis.

The integration of the **TriboCoating®**-multifunction layers extends the Hillebrand range with active slip coatings for dry lubrication, corrosion protection and anti adhesion layers.

In addition to the coating of components, Hillebrand also offers a comprehensive range of services both before and after coating. These also include the fabrication and assembling of components. This results in a generation of optimizations along the value chain. In addition to the SAP-managed inventory management and direct shipping to the OEM, you receive all of the performances direct from Hillebrand. Contact us direct.



TriboCoating North

Rudolf Hillebrand GmbH & Co. KG
Oberflächentechnik
Westerhaar 60
D-58739 Wickede/Ruhr
Telefon (+49) 02377 / 801-0
Telefax (+49) 02377 / 535
E-Mail info@tribocoating.de
Internet www.tribocoating.de

TriboCoating South

TriboTech AG
Galgenried 18
CH-6370 Stans
Telefon (+41) 41-612 23 23
Telefax (+41) 41-610 79 48
E-Mail info@tribocoating.ch
Internet www.tribocoating.ch

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Material	PROCESS											
	Pre-treatment				Coating							
	Mechanical	Chemical	HST	Endurion®	MPC®	CPC®	PPC®	Powder Paints	NFC	MLC	Tribo Coating®	Wet Paint
Aluminium	●	●			●			●	●	●	●	
Iron	●	●	●	●	●			●	●	●	●	
Fe-galv.	●	●	●		●	●		●	●	●	●	
Al-die cast	●	●			●	●		●	●		●	
Zn-die cast	●	●			●	●		●	●		●	
Mg-die cast	●	●			●	●		●	●		●	
Cast Fe	●	●	●	●	●	●		●	●		●	
Plastics (PA66)		●					●	●	●		●	
Plastics (ABS)		●										●
Plastics (EPDM)											●	
Plastics (POM)		●										●

SERVICES: fabrication, assembly, special packaging, etc.

www.hillebrand.de

CPC®

Innovative Surface Technology on Cast Metal



How does one obtain an optimal paint adhesion and an optically perfect surface when coating cast parts, especially mirror bases and recessed grips for the automobile industry?

Conventional powder coating does not meet this requirement as paint damage is caused during application as a result of the coarse porosity of the material.

We are able to offer a fundamental solution to this with our special CPC® technology. Die cast aluminium, magnesium and zinc are initially degreased and then subjected to a pre-treatment which is free from chromium-VI, resulting in all of the parting agents and soiling being released from cast parts, the parts not being steeped however. The cast parts are now optimally prepared for the subsequent coating. The cast parts are finally provided with a special hybrid powder coating which compensates the formation of bubbles, degasification and other surface flaws. The result is a powder paint coating which is as smooth as glass, well levelled and anchored to the die cast.

Coat layer of 60-120 µm without an edge build-up with a single coat increases the stone throw and corrosion resistance of the coated part by a long way.

With CPC® from Hillebrand, it is possible to produce large numbers of both high gloss and dull matt surfaces.

CPC® (Casting Powder Coating) coatings are multi-coloured protective coatings on metals providing a high level of resistance to scratching and corrosion resistance.

Especially valve bonnets, recessed grips and mirror bases for the automobile industry are provided with hybrid powder coatings. The well levelling of the rough cast surface provides the basis for the optically discriminating original vehicle paints in the course of the continued paint build-up.

CPC® is used in almost all industrial fields. In addition to the automobile industry, it is especially used in housing and plant construction, by the awning and sunshade industry, the lighting industry and for lock furniture in the construction industry.



CPC®-coated material
(automobile mirror base)



CPC®-coated material
(Cast solar housing, weight 15 kg)







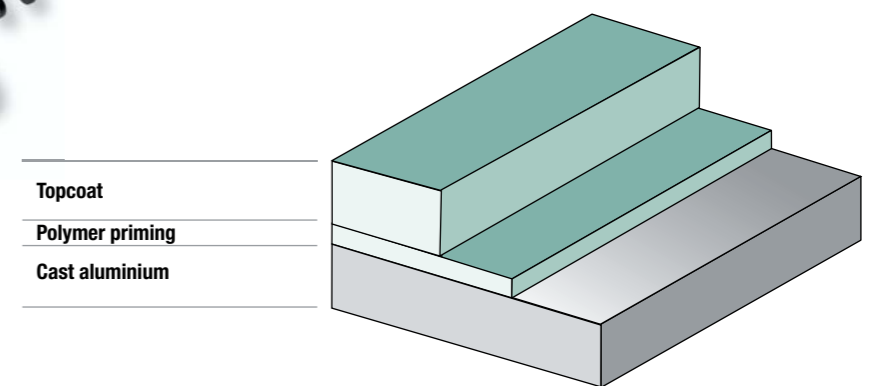
CPC®-coated material
(recessed grips)

CPC® from Hillebrand is always the best solution to high technical and optical demands.



CPC®-coated material
(Interior parts)

-  **Smooth Surfaces**
-  **Good Adhesion**
-  **High Corrosion Protection**
-  **High Impact Resistance**
-  **Colour Variety**
-  **Good Coatability**
-  **Weather Resistance**



CPC®-coating of cast aluminium