

## Technical details:

- A wide range of colours and special colours, including transparent and black
- Can be applied to hybrid materials
- Unsaturated colours or colour mixtures, e.g. red-blue mixtures, are also possible
- Highly decorative surfaces; defined gloss levels possible, from matt to shiny
- Wear- and scratch-resistant aluminium oxide layer with hardness up to 500 HV
- Colouring, appearance and haptics can be reproduced
- Workpieces free of damage and distortion
- Very high-quality anodised surfaces are achievable, including RoHS-compliance, cool touch, no visual imperfections, scratchproof, anodised aluminium-plastic hybrid parts.
- Liquid-tight composite of aluminium and plastic feasible
- The anodising process eliminates visual defects from the upstream mechanical production process and is for this reason deliberately performed at the end of the value-added chain.
- It is also possible to eliminate failures along the entire process chain of mechanical pre-production without additional handling.
- If all of the experts from various fields of specialisation join forces right at the beginning of a project in a spirit of partnership, extremely good economical solutions can be achieved.

## Your added value with the Holzapfel brand...

A broad range of surface processes to suit the widely varying specifications of your components



## ...and how YOU can benefit from it!

- Corrosion-resistant, decorative, functional and organic coating solutions for the automotive, mechanical engineering, medical, sanitary, electronics, optical, consumer goods, lifestyle and renewable energy industries
- Combination coatings in numerous variations available from one single supplier
- Consulting that always comes up with solutions "outside the box"

☒ Direct implementation instead of prolonged coordination: We provide you with the answers to ALL of your coating issues!

Developers and innovative driving force for all types of coating processes and surfaces



- Individually developed surfaces optimally adapted to suit the specifications of your components
- Future-oriented surface solutions that benefit from the experience and expertise gained in over 65 years of surface development

☒ We love to take on development projects that challenge our creative ability.

State-of-the-art systems engineering



- Large systems capacity
- Sufficient capacity for special dimensions of 2,300 mm x 4,000 mm and up to a weight of 750 kg
- Increased added value through additional assembly services

☒ ... and enough space to keep growing with your company's needs!

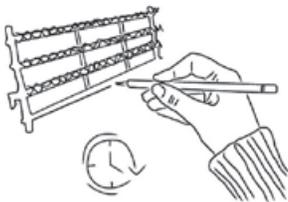
Coatings and processes in accordance with all common standards, such as those of the automotive industry



- Planning security for our customers is assured through detailed advance planning of each process stage
- Customers' coating requirements are met on a sustainable basis and much more

☒ Experience quality in every detail, from consulting and coating to packaging and shipment.

In-house frame development for fast, flexible development and manufacture of individual, component-specific frames



- Ability to react quickly to new products, short production start-up times
- Frames ensure cost-optimised assembly and coating processes

☒ More than 65 years of experience gained in the field of surfaces enable us to find creative solutions for all of your products.

Components management, logistics, packaging



- Coating as well as upstream and downstream value-added processes from one single source
- Fewer suppliers mean fewer processes to monitor and manage!
- One partner to contact

☒ We think ahead and manage processes on your behalf.

Lean management, CIP, value stream analysis



- Lean processes that concentrate on creating added value
- Transparency and outstanding quality by means of standards and continuous improvement processes
- KPI-based process management
- Detection of wastage by means of value stream analyses and elimination via continuous improvement processes

☒ We do not need encouragement when it comes to continuous improvement. At Holzapfel, CIP goes without saying and is an integral part of our company philosophy.

If the above-mentioned points have still not entirely convinced you, then please take a look at our customer reference projects at [www.holzapfel-group.com/referenzen](http://www.holzapfel-group.com/referenzen).