

# Elegance meets sustainability

Surface finishing solutions for advanced automotive interiors

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General Metal Finishing

Decorative coatings

atotech.com



# Chrome finishes as design and technology choice

The design of car interiors is constantly evolving. What was once thought of as a simple, functional driving space is increasingly being transformed into an advanced, multifunctional environment that embodies comfort, safety, and luxury. For decades chrome finishes have inspired designers to develop new features for vehicle interiors, while consumers have appreciated the high-end, luxurious electroplated finishes and the cool feel of metalized, plastic parts.

## Inspiring car design

Electroplated decorative finishes have been part of most modern, luxurious, and individual car designs for many years. Their versatility and variability in color, brightness, and reflectivity harmonize perfectly with innovative materials and light effects. Our product range of surface finishing supports a myriad of car designs. We help designers break away from standard solutions. When cooperatively working on design concepts with patterns that smoothly blend with the various other features forming a homogeneous gradient, we can support designers in finding the right nuances for creating visual comfort and aesthetics.

## Unmatched technical features meeting the highest sustainability standards

Atotech high-quality chrome plating solutions offer excellent surface quality, such as a homogeneous appearance without “orange peel” on a wide range of plastics. They feature a high degree of durability and corrosion resistance for both interior and exterior applications. Our portfolio includes processes for plastic pretreatment, a broad range of bright and satin nickel processes enabling a variety of elegant gloss and satin effects, and trivalent chrome processes in a wide range of colors that offer designers a great choice of design options. Pioneering sustainable surface finishing for decades, we offer a complete Cr(VI)-free chromium plating sequence with our Cr(VI)-free plating pretreatment process Covertron® and our TriChrome® series of chrome finishes supporting the sustainability agendas of automotive manufacturers while meeting future environmental requirements in mass production already today.



# TriChrome® family – setting design benchmarks

TriChrome® processes form excellent surface finishing results on plastic-based and metal-based applications. Designers gain the greatest freedom of choice when combining TriChrome® with our satin nickel processes.

TriChrome® finishes combined with satin nickel layers foster sophisticated ambient interior light concepts creating intended atmospheres and mood. With preset reflection properties, the decorative surfaces can gently distribute the light, form constraints to light propagation, redirect luminance, or compose shadows through light absorption for an improved sense of spaciousness but also a feeling of safety.



## Perfect hues for modern design

TriChrome® Ice is our closest hue to the clean, specular surface of a hexavalent chromium finish. TriChrome® Ice comes as a radiant shiny or silky satin variation. The sparkling blue hue accents pure and contemporary designs. For accessories, TriChrome® Ice and TriChrome® Plus, both frame a perfect contrast to darker ambient colors like exquisite dark brown and black, but also to other color shades from the designer's palette.



## The concept of elegance and finesse

Concepts combining elegance and finesse are preponderantly characterized by darker shades. The Atotech palette of grey hues ranging from the brighter TriChrome® Smoke 2 over TriChrome® Shadow to TriChrome® Titan, provides those darker shades which offer an ambiance of sovereignty and magnitude.



## Timeless designs

As part of the classic color collection TriChrome® Graphite, an elegant color, gives surfaces a touch of timelessness. The dark, warm, grey hue creates a mysterious ambience and a moody backdrop with dramatic flair perfect for maximalist designs.



## Captivate with classic elegance

TriChrome® Phantom is a pleasant shade that exhibits a nice rich look with a shimmering sensation in the sun. The nuance is a classic and elegant finish that blends with non-metallic surfaces into a homogeneous gradient.

# MKS offers a full range of sustainable functional and decorative surface treatments

## Automotive interior



Reliable, high-quality processes, equipment, and chemistry for the entire spectrum of functional and decorative surface treatments, which meet the needs and demands of the automotive industry.

## Global presence



Sales and service for our Atotech products in more than 40 countries enable us to provide efficient customer support worldwide. Many of our products are approved by numerous OEMs worldwide.

## Best local service



Our unique global TechCenter network allows us to offer an unmatched spectrum of services, from pilot production, chemical and materials science investigations to comprehensive training for customers and business partners.

## Leading technologies



We collaborate heavily with the entire value chain to seek new paths and set benchmarks for the development of innovative surface finishing processes.

## Production know-how



We provide customers with complete factory design concepts. Our production systems guarantee the highest level of quality and efficiency in wastewater treatment solutions, all at a reduced cost.

## Sustainable solutions



We use less hazardous chemicals whenever possible, eliminate waste water to the greatest extent possible, as well as reduce our carbon footprint.

