



Brilliance and Sustainability – The Drivers of Success



Welcome to our Sustainability Approach

Do beauty and sustainability exclude each other? Certainly not! That's our firm belief. In fact, given today's highly sophisticated and discerning consumer and business markets, we consider sustainability to be the flipside of brilliance. Together, they are the driver of success – yours and ours.

ECKART is an internationally leading supplier for the graphic arts industry. It is our mission to provide our customers with effect pigments and metallic inks that support their demands and expectations in every respect. Our highly innovative pigments and inks provide extremely brilliant effects and an unrivalled metal shine

for packaging, labels, publications, and other advertisings. Thanks to their efficiency, they constitute a highly sustainable alternative to metalized substrates as well as hot or cold foil stamping. They are easy to process and suited to all state-of-the-art printing technologies, e.g. offset, flexo, gravure, screen, and digital printing. Most importantly, they adhere to the continuously evolving regulatory demands, which the printing industry is confronted with globally.

Discover our sustainability approach in detail on the following pages and find out, why we are your prime partner for enduring success.

Reliable Partnership for Your Pole Position

With ECKART at your side, you are well-equipped to master exciting new challenges. Based on our long-standing experience in the printing industry, we are able to detect new market trends early and provide innovations that put our customers in a pole position within their industry.

We act as your co-engineering partner for new metallic products, initiating new markets and applications. Our innovation team provides its expertise and creativity to assist you with the development of new formulations that combine outstanding optical properties with a wide applicability. Last but not least, our innovations are always in step with new technological or regulatory trends. Our market experts subsequently offer co-marketing support addressed at brand owners, designers, and other market players.

Our new silverdollar pigments, SILVERSHINE 809 and SILVERSHINE 811, are based on an improved milling technology. As a result, the pigment pastes stand out thanks to superior brilliance plus excellent hiding power. Designed for solvent-based printing inks, the silverdollars are suited for a wide range of applications, e.g. flexo and gravure printing.

As LED curing technologies become ever more popular, we decided to extend our popular UNIPAK portfolio with an innovative ink series: UNIPAK LED 485 is specially designed for LED curing technologies, but can be employed in UV curing processes, too. With its gold and silver shades according to Pantone, the new ink series is suited for offset and can be applied to board, paper, metals and in-mould applications.



Safe and Sustainable Products

Gold and silver in all variations are a hot trend for food packaging, yet carry a major challenge: You need to meet strict requirements regarding consumer health.

With our extensive pigment portfolio for food packaging you are always on the safe side. Moreover, outstanding optical properties are guaranteed.

Our formulations are based on our specially developed innovative wet milling process according to FPG standards (Food Packaging Grade). It employs alcohol as a solvent instead of white spirit. Consequently, our pigments surpass low migration standards, as they do not contain any harmful substance at all. Products fulfill all requirements for indirect food contact as defined by Swiss Ordinance and the European Printing Industry Association (EUPIA regulations). With the letters FPG as part of their name, all products are easy to identify.

Our latest FPG innovations provide unrivalled metallic effects for food packaging printed in conventional as well as in LED curing offset processes. Additionally, they adhere to GMP standards (Good Manufacturing Practice).

Our new stable one-component ink series METALSTAR FPG 712 is certified for sheet-fed offset printing. In comparison to previous inks, its three gold shades (rich, pale, rich pale) and its silver tone thrill users with their superior optical properties.

To extend our UV and LED curing pigment portfolio for offset applications, we designed the METALSTAR UV/LED FPG 725 Gold ink series. Products are available in five Pantone shades.





Transparent and Trustworthy

Due to continually evolving regulatory demands, the printing ink industry currently undergoes significant changes globally. In particular, it is confronted with a number of challenges regarding the substances employed in inks. These range from reclassification to market shortages to changes caused by REACH registration.

With ECKART at your side, you are able to meet these diverse demands well before other market players. Not only do we provide you with direct, comprehensive, and transparent regulatory information. We also make sure to develop timely alternatives that meet the regulatory demand in question, without compromising on the optical standards you rightfully expect from us. In sum, our support assures long-term product safety.

Thanks to this strategy, we were able to quickly react to the completely unexpected reclassification of a phosphoric acid ester as reprotoxic. The substance had been widely used to stabilize aluminum pigments in our water-based product portfolio for Flexo and Gravure applications. Today, we offer the new product series HYDROXAL V with better optical and technical characteristics which fulfill all regulatory requirements.

Our UV portfolio was also subject to changes due to the reclassification of a photo-initiator (Irgacure 369). Our new formulations, ROTOSTAR UV 166 and METALSTAR UV 285, are free of critical materials. Their gold and silver shades offer optical properties absolutely comparable with their predecessors.

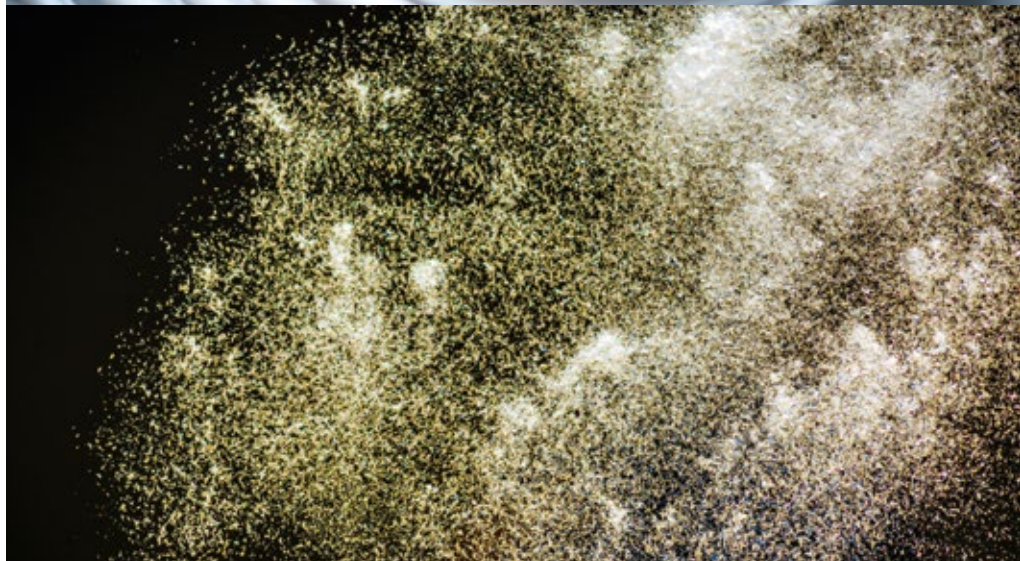
Depend on Us for Smooth and Efficient Collaboration

Sustainable and profitable growth needs dependable suppliers. As an experienced partner to the graphic arts industry, ECKART stands for smooth and efficient collaboration, designed to let you focus on your core business.

Our extensive portfolio includes aqueous-, solvent-, oil-based, and UV/LED curing systems. Depending on the needs of our customers, our metallic pigments are available as powders, pastes, or dust-free pellets. We also offer an impressive range of metallic dispersions and press-ready printing inks. Additionally, our portfolio contains pearlescent pigments based on artificial mica and glass flakes as well as products for rainbow-effects. Effect fan decks, technical brochures, and flyers show our multivarious product range.

To optimally assist our customers, we offer our services globally. This includes technical application consulting in every region. Moreover, we provide expert development support for new products and their subsequent marketing. Brand owners and designers benefit from illoom, our new communication tool available on our website. It acts as a one-stop shop for development support, consulting, feasibility analysis and production.







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