

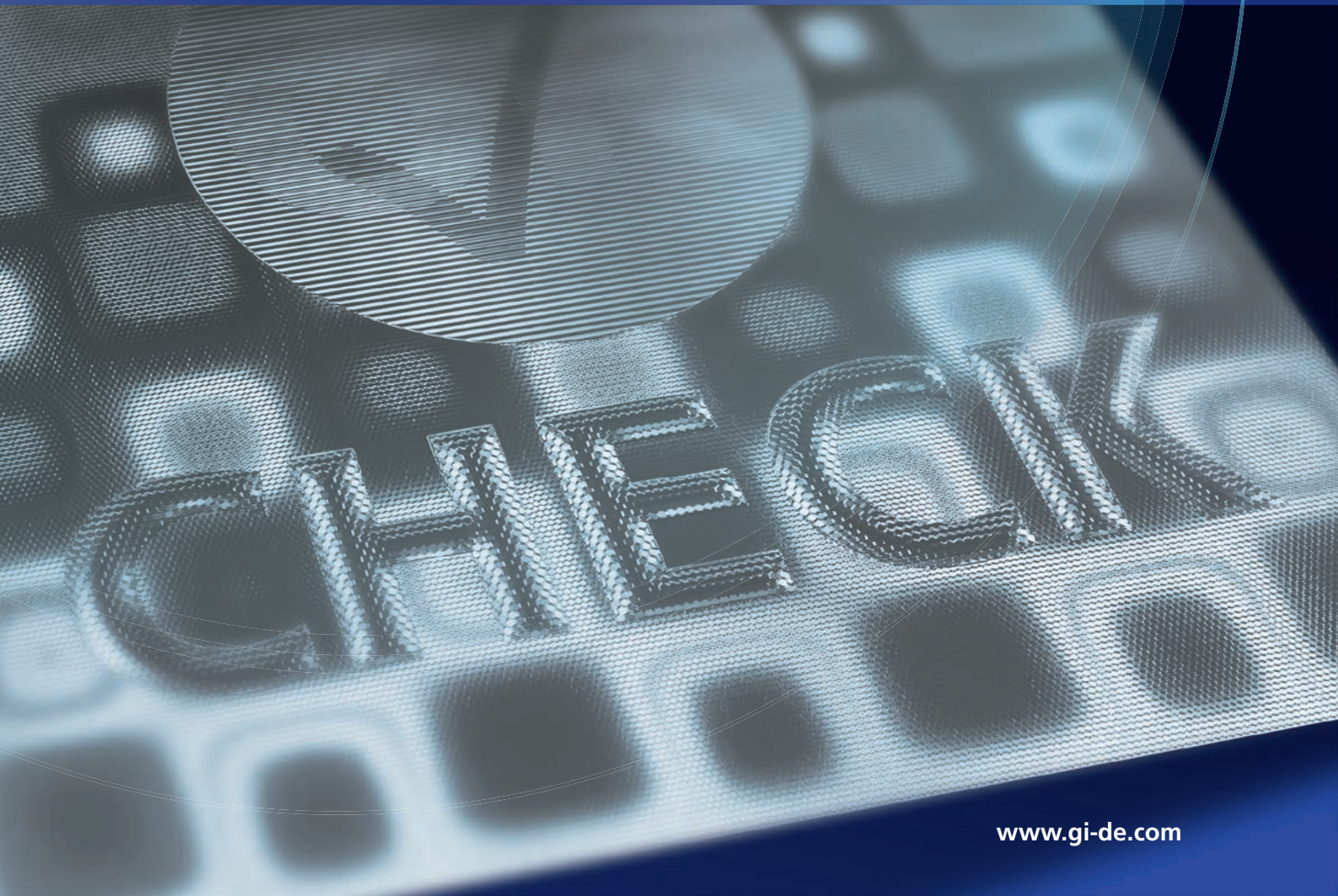


Giesecke+Devrient

# QUICK AND CLEAR AUTHENTICATION.

**SIGN<sup>®</sup>**

The Smart Protection  
for Products and Brands



[www.gi-de.com](http://www.gi-de.com)

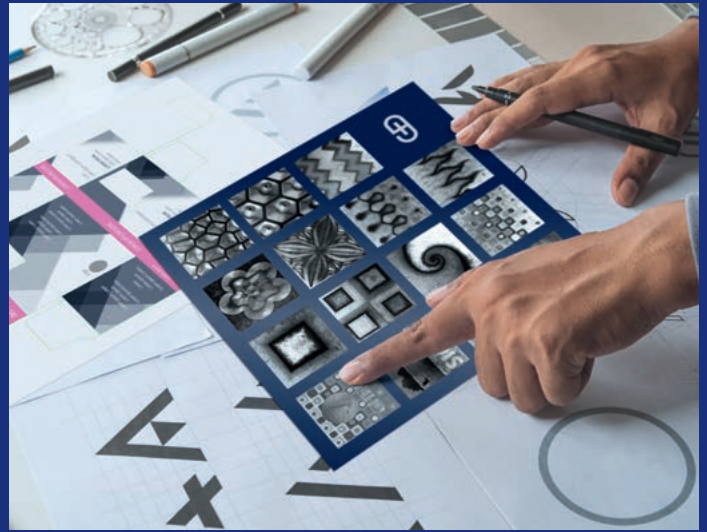
# Secure, Unique and Attractive

Trademark and product piracy affect virtually every industry. Everything that is lucrative and desirable is counterfeited. Products such as pharmaceuticals, cigarettes, luxury goods, OEM products and many more are under particular threat. To protect them, many manufacturers are turning to label-based security solutions. However, these are often expensive to produce and cannot always be smoothly integrated into the process and supply chain – disadvantages that are unacceptable in the face of increasing cost and competitive pressure.

In contrast, SIGN®, our authentication solution, combines cost efficiency with security, simple authenticity verification with seamless integration into the supply chain. SIGN® makes your products resistant to tampering, counterfeiting, and substitution while providing you with maximum security, appeal, and cost control.







# +1000

million packages have already been equipped with G+D solutions for product authentication

## Top-level Security through State-of-the-Art Micro-optics Technology

SIGN® is an innovative, micro-optical technology that is implemented using embossing processes and is at home in the high-security area of banknote production. The technology has proven itself worldwide as an effective barrier against counterfeits of high-security products such as banknotes, passports, and other documents.

Authenticity can be checked immediately on the basis of unique security features. Don't you wish the same for your products?

The high-precision manufacture of the necessary components draws on our many years of experience in the production of banknote security features. Our solutions are patented and used exclusively in security applications.



# Protect your Brand

SIGN® surprises, communicates, and inspires confidence with smart added value. It allows a high degree of design flexibility and interacts with the packaging design environment. In addition to the possibility of checking the authenticity of the product quickly, safely and without aids, SIGN® generates maximum attention at the point of sale.

Simply tilting the feature creates memorable, dynamic, and attractive effects that arouse your customers' interest and strengthen their trust in the product.

Every link in the supply chain – from the brand owner via the various distribution channels to the end customer – can check the authenticity of your products quickly and easily. No additional equipment is needed, as the effects are clearly visible to the naked eye.

More than 1000 million packages for a wide range of different customers have already been equipped with security solutions from G+D.



# SIGN®: the Smart Security Feature with Image Change and Dynamic Effects

The SIGN® effects are designed using special software from G+D, implemented with high-precision embossing tools, and are easy to integrate into your standard processes. G+D is happy to support you with a broad and reliable partner network and in-house application technology.

## Standout features of SIGN®:

- Impressive and unique dynamic effects based on micro-optics technology that are impossible to copy
- Standard designs are avoided – all features are tailor-made and customized
- Highly reflective, metallic-look surface



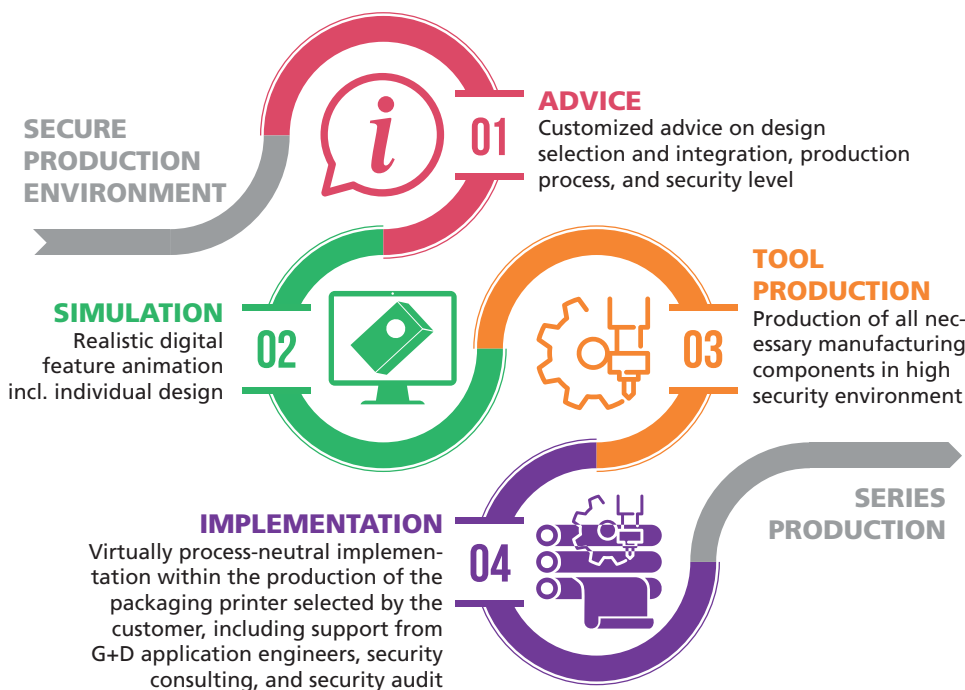
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## Creating Confidence



Giesecke+Devrient (G+D) is an international security technology group. As a partner to organizations operating to the highest standards, G+D's solutions create trust and secure essential values. The company's innovative technologies protect physical and digital payments, human and machine connectivity, the identity of people and objects, and digital infrastructures and confidential data.

Trust in our experience: For almost 170 years, we have been producing banknotes that are counterfeit-proof and durable – even in the most demanding climatic and circulation conditions. As one of the leading private banknote manufacturers, we have produced currencies for more than 100 countries. Our integrated approach makes it possible to combine beauty and security in each of the six billion banknotes we print every year. G+D's experts ensure that the banknotes produced by G+D can easily combine anti-counterfeiting security with automation capacity, durability, and aesthetics. We bring together innovative high-tech processes, outstanding craftsmanship, and decades of experience.





# Your Benefits at a Glance

» Security and attractiveness combined

» Design freedom and customized effects

» Integration into existing processes

» Easy to combine with other security printing technologies and functions

» Cost benefits due to direct inline application

» And last but not least: a global leader in the high-security industry as a partner with a secure production environment and in-house application technology

## Substantial Cost Benefits









**Giesecke+Devrient**  
Creating Confidence

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