

Innovative adhesive solutions for cards & passports

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Developed with the know-how of the Bonding Engineers

Whether paying in the restaurant with your credit card, withdrawing some cash from an ATM, showing your passport at border controls, checking-in at the airport or gaining access to sensitive areas of the company – hardly any of this is possible in today's modern world without cards and passports.

So it is all the more important that they are forgery-proof, visually attractive and above all robust enough to withstand the rigors of everyday use.

As one of the world's leading companies in the field of adhesive solutions, Lohmann has developed products that not only meet the requirements for cards and passports, but even exceed them.



Cards and passports play a central role in our daily life. With its innovative adhesive solutions, Lohmann supports these sophisticated products and is the ideal partner for your applications.

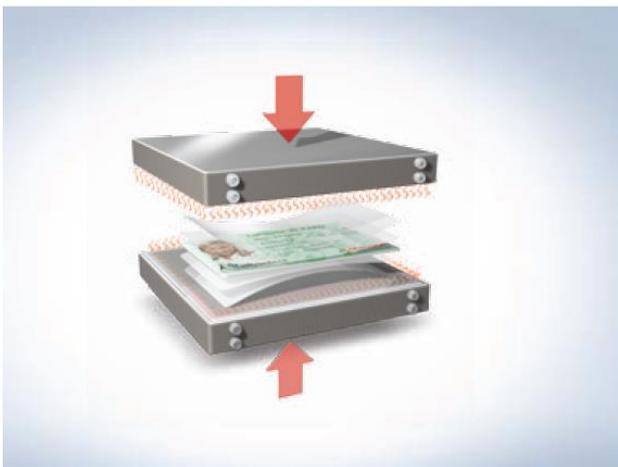
More than just a coating

Lohmann adhesive solutions make cards and passports durable, attractive, counterfeit-proof – and promote more efficient processes

No modern cards or new passports without employing adhesive solutions. However, the requirements have increased dramatically in recent years due to the wide range of applications. More and more technical features, such as RFID chips or different types of card materials, now have to be integrated.

With its products, Lohmann provides solutions based on heat activated adhesives that develop their bonding power through the application of heat, pressure and time. An approach that has many advantages.

Your laminating process continues as before under pressure and at temperatures of 70 °C to 190 °C.



Research & development plays a major role at Lohmann.



Essential for the manufacture of high-end adhesive solutions: cutting-edge coating plants.



More than just a coating

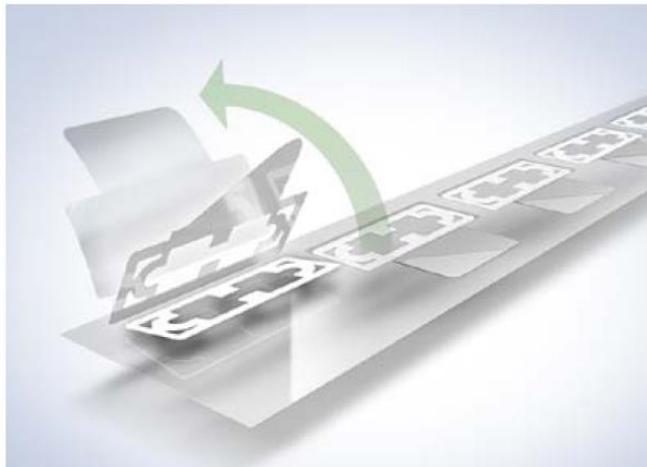
Advantage 1

Cards to date have generally been made from a single material, whereas they are now increasingly being made from a combination of materials, e.g. PVC, PET and PC. This is the only way of satisfying the high demands placed on card performance. If microchips are integrated for reasons of security or convenience, then production costs also increase – as does the desire to increase the lifetime of cards. These are challenges that Lohmann products overcome without any problem.

Extensive testing verifies the high adhesive bonding in applications for cards and passports.



Lohmann has its own die-cutting centres for microfine die-cutting.



Advantage 2

Today, more than ever, cards and passports need to be presentable in more ways than one.

Many manufacturers strive for brighter colors and greater design flexibility.

Our products are guaranteed to meet your requirements.

Cooperation with development partners comes naturally to Lohmann.



More than just a coating

Advantage 3

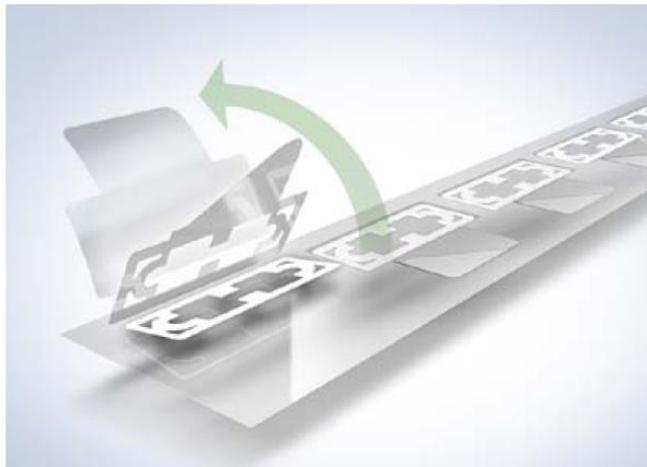
In light of increasingly sophisticated counterfeiting methods, the topic of security for cards and passports is taking on more and more significance. The solution is the same: Lohmann's innovative adhesive coatings.

The subsequent cross-linking of the adhesive film after lamination creates an irreversible bond between the materials being processed.

Extensive testing verifies the high adhesive bonding in applications for cards and passports.



Lohmann has its own die-cutting centres for microfine die-cutting.



Advantage 4

The adhesive performance is not the only impressive feature of Lohmann's adhesive solutions: they also allow production processes to be made more efficient.

Good results and a high level of protection against forgery are achieved even at low, material-friendly laminating temperatures.

This also manifests itself in lower reject levels.

Cooperation with development partners comes naturally to Lohmann.



High-tech adhesive expertise from a single source

The ideal foundation for perfect solutions

The experience amassed during the 160 years of Lohmann's existence has gone into the development of its adhesive solutions. Know-how that you in the cards & passports sector will also benefit from.

Ranging from specification work and individual product development through to innovative adhesive design and implementation in your production process.

Your benefit:

Lohmann offers everything from a single source. Worldwide.

