

# Get Rolling!

**HANNECARD**

specialty graphics



# Passion for Performance.

When it comes to a printing job, the options are few : the printing quality needs to be outstanding, costs as low as possible and short turnaround times.

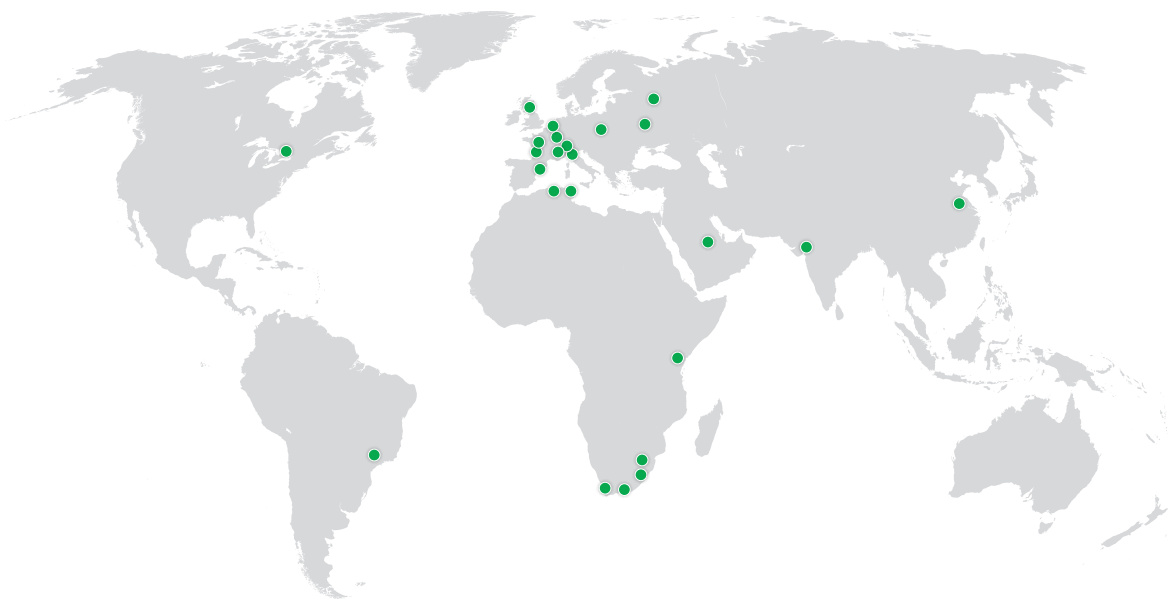
Whatever printing technology is used, elastomer covered rollers practically always play an important role in the dosage and the transfer of the ink and often even in the transfer of the printing image.

Although Hannecard has been supplying solutions for offset printing since the early days of its establishment, we have chosen to be a technical and geographical leader in three specific printing fields:

- Rotogravure and ESA rotogravure
- Flexography
- Label and narrow web printing

Hannecard has a long-lasting reputation with regard to quality, performance and efficiency of its solutions for the print media industry.

Being driven by our passion for performance, we aim to offer you innovative and reliable coverings and concepts for guaranteed results in printing quality, lifetime, constant properties and of course, total cost of ownership.





# More Than

In combination with all possible printing techniques, a complex set of requirements is created for the covered rolls involved in the process.

Hannecard has not only chosen to develop reliable solutions for all these applications, we also want to make life easy for our customers.

## A heart for rubber

Hannecard relies on proper development centres and laboratories. Practically all rubber formulations are mixed in-house, offering not only full control, but also a better management of cost and delivery time. Our formulations are unique and as such also our roller coverings.

## Innovation - the key word

It is clear that making good roller coverings is no longer enough to satisfy a demanding business such as the printing industry.

That is why Hannecard puts a considerable effort in the development of new covering qualities. Next to our two laboratories in Europe, a team of technicians is also involved in the search for new and optimized roller concepts.

Thanks to our development efforts in other domains like the paper, textile, metals and plastic film industry, Hannecard offers more than a thousand rubber, polyurethane and composite formulations in order to find the best performing solution for every application.

# Just A Supplier

## The Hannecard Advantage :

- Performance-driven, total solutions
- Continuous development
- Own laboratories and mixing facilities
- Complete roller management and engineering services
- Sustainable policy
- Proximity, support and optimum service

### The complete package

The rollers we receive are not just re-coated. With respect to the needs of the printing industry, the rollers are thoroughly examined to assure an optimal functioning. When needed, the rollers are repaired, revised and dynamically balanced. Most of these operations are performed in-house, guarantee low cost and short turn-around times.

Furthermore, we pay attention to handling, packaging and transport to assure the highest quality right till the end.

### Quality excellence

All our production facilities in Europe meet the ISO 9001 requirements. Next to the intensive control of our raw materials and compounds, Hannecard certifies the conformity of its products by means of detailed inspection reports.

### So many applications, just one supplier

Printing is not only about printing. No product would be finished without winding, slitting, conveying, folding, varnishing, coating or laminating.

Also for these applications, Hannecard offers high performing, sometimes unique solutions, as well as the complete service package.







# 3 Specialty 1 Reliable

Hannecard offers roller coverings for all industrial processes. Our experience in the field and constant efforts at innovation, ensure you always get the best possible covering.

## Rotogravure

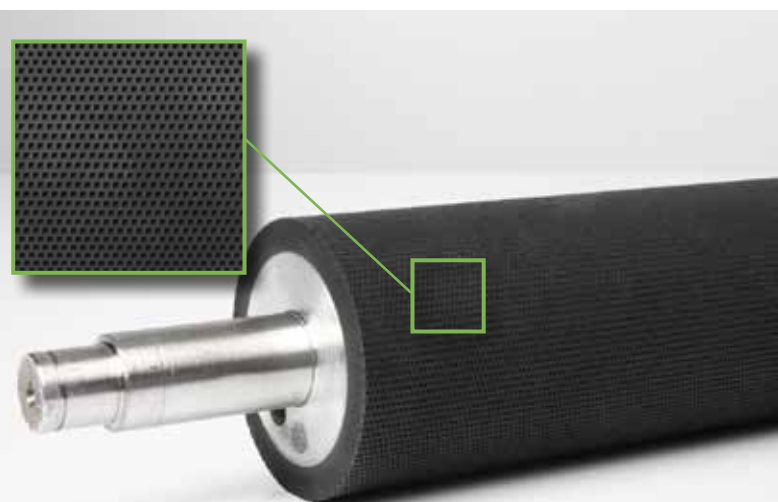
The success of rotogravure printing is undoubtedly to be attributed to some elementary advantages like fast production speed, outstanding print quality, versatility and an absolute consistency.

Long-run printing jobs, high production speeds and sometimes poor web quality make it a very complex and demanding printing process

That's exactly why Hannecard has been amongst the first companies to develop polyurethane solutions for gravure printing, next to the more classic rubber coverings. Today, Hannecard offers world leading technologies and possibilities for pressure rolls for all types of rotogravure printing (decorative, flooring, packaging, magazine, publication...).

All these rubber and polyurethane solutions can be applied to a composite sleeve core, for both classic carrier mandrels and Nipco systems.

For printers who are using gravure units that are equipped with elastomer covered inking rollers, we have developed our *DoseRight* covering range, which can be finished with various laser engraving shapes.



# Printing Fields, Partner



## Are You Missing A Dot?

Nowadays, a growing number of rotogravure printing presses are equipped with ESA technology because of the system's major contribution to the quality of the printed web : it enables you to avoid the appearance of missing dots in the printed image and improves the ink transfer to the web. Needless to say that this enlarges the importance of the pressure roller.

That evolution has challenged us to develop an exceptional range of high-end products for top load, side load as well as direct (core) load systems. Both the *Performa* rubber range and the *HanneResist* polyurethane coverings dispose of important features like longer lifetimes and remarkably constant physical, dynamical and electrical properties through time.





## Flexography

For many reasons, flexography is still the most used printing technology for flexible and board packaging.

Being often in competition with other printing techniques, the ongoing search to improve the printing resolution with flexography has led to the development of new rubber solutions for the different roller and sleeve positions.

For systems using a fountain roller, Hannecard offers coverings that are characterized by excellent transfer properties, a stable behavior in time and high lifetimes. Next to the standard rubber coverings, Hannecard is one of the few companies worldwide that offer polyurethane solutions for water based inks. Our *Hanneflex* range not only guarantees a more stable ink transfer but the lifetime can be up to 6 times higher than with conventional rubber coverings!

Thanks to the more stable dynamic behavior over photopolymer plates, the use of rubber also creates advantages for the plate cylinder. Our *FlexoGraf-L* is especially developed for plate cylinder and sleeve covering, both smooth and with laser engraving.

## Label & Narrow Web Printing

It is again thanks to the combination of different high end elastomers that Hannecard has achieved a leader position for roller covering on narrow web printing machines. The wide variety of narrow web substrates, from labels over tubes to boxes and cans, requests multiple printing set-ups, as well as different inks and techniques as offset, flexo and screen printing.

Due to the high production speeds, the use of UV-dried inks is very common, often in combination with water or oily inks. Also high abrasion occurs on the inking rollers.

That's why Hannecard offers unique covering qualities as MultiPrint-XP to enhance lifetime and to obtain a more stable printing result.

Specifically for label printing, where rotation screen printing is applied, Hannecard offers *LabelPress-XP*, a high performance polyurethane covering for impression rollers combined with a remarkable grinding precision (up to 5 microns !) which can only be obtained in a climate controlled grinding and inspection room.









# We make it easy

## Recent Innovations

### Performa ESA-sleeves

Increased security for alternative printing with ESA system switched on and off. The special "Performa" sleeve concept evacuates static load build up in a secure way, while keeping the needed ESA capacity and as such the highest printing quality.

### Hanneresist-DL

Unique polyurethane based covering compliant with the direct load ESA systems for decorative and packaging printing, allowing the combination of the superior mechanical and dynamical properties of PU with the easy operations mode of ESA direct load systems.

### Lotus

Teflon® based anti-stick and heat-resistant covering solution for converting applications.

Teflon is a registered trademark of DuPont™

## Sleeves Make It Easy!

Composite sleeves have become important in a lot of printing and converting processes. They make it possible to reduce changeover times drastically, for both flexo plate cylinders and pressure rollers on gravure printing and lamination machines.

As most sleeves are combined with elastomer coverings, Hannecard has chosen to develop and manufacture these products internally.

Our sleeve range can be obtained in cylindrical or tapered version, classic as well as the unique and world-wide patented fully conductive variant.

## Complete Performance

Printing is only a part of the entire converting process. Particularly for packaging, the complexity of the products has increased enormously and production steps such as laminating, embossing, coating, gluing, varnishing, winding and cutting are required.

Next to its roll covering solutions, Hannecard also offers turnkey solutions as *Lotus*, *MultiGraf* and *MicroGraf*. As such, you can rely on us for the complete converting process, including all printing and transforming operations.





# Past, present, future



## Hannecard goes back a long way...

It all started at the end of the 19th century, when rollers were covered with ebonite and the first natural rubber versions made their entrance.

With the invention of synthetic rubbers, Hannecard took a major leap forward. Subsequently, the introduction of polyurethane coverings allowed us to build a solid reputation for the covering of graphic and industrial rollers, as well as for elastomeric specialties (*extrusion, moulding, and surface protection*).

In order to meet the specific needs of each industrial domain, we created four separate units :

- **Industrial rollers** : roller coverings for the packaging, textile, aluminium, steel, flooring, adhesives, converting, wood, glass, chemical, food and other industries
- **Specialty Graphics** : sleeves and roller coverings for flexography, rotogravure and narrow web printing, in addition to the classic solutions for offset printing
- **Hannecard Paper** : roller coverings for pulp and paper production
- **Elastomer specialties** : customised extruded and moulded goods in rubber and polyurethane

Over the last 25 years, Hannecard has experienced exceptional growth. The geographical expansion and the consolidation of our activities have lead to an international group with more than 20 production and service sites, partners and licensees.

There is no doubt that we owe our success to the hundreds of employees who share each day the same devotion and passion for their job. *The Passion for Performance.*

*Passion For **Performance.***