

**Keep Rolling!**

**HANNECARD**

industrial rollers

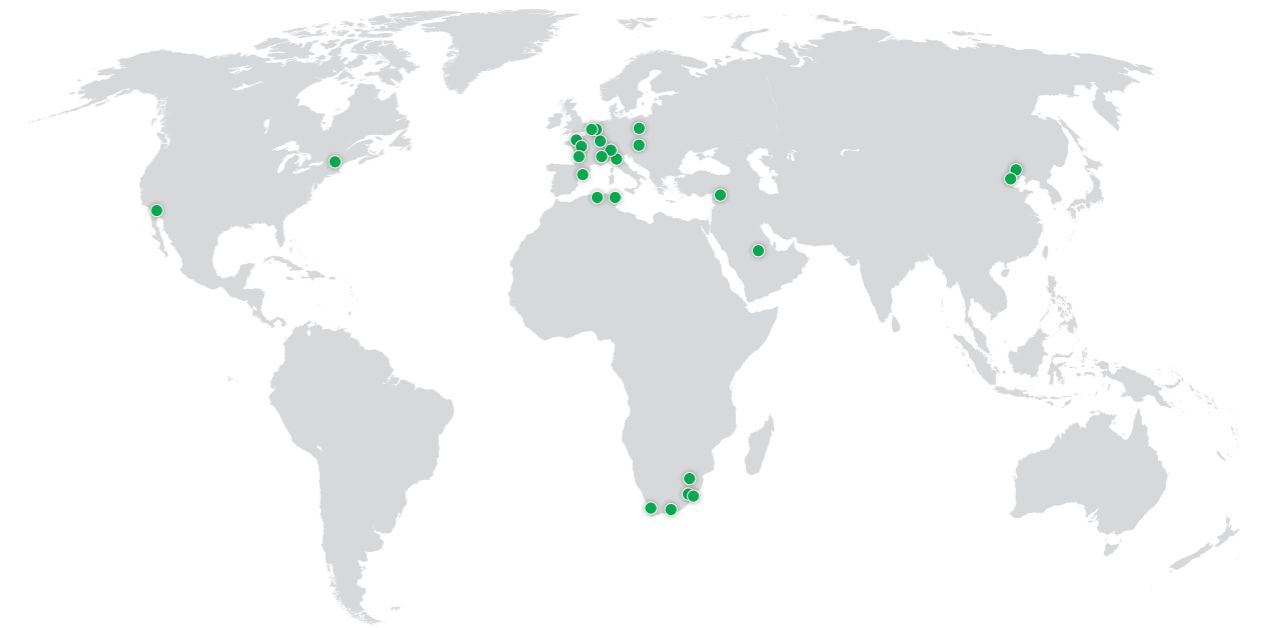


## Passion for Performance.

Roller coverings are indispensable to the industrial world. They are used within a wide variety of sectors both as consumables and as critical process items. This double function requires an intelligent approach...and a sustainable enterprise: Hannecard.

Our ambition is to improve your company's performance by offering reliable total solutions and a unique range of roller coverings. No other company can provide so many rubber, polyurethane and composite compounds. We add value to your production process.

Speed, flexibility and high-level service. You can rely on Hannecard to meet your needs, wherever you are. Excellence and passion are key words at every step, from order to delivery. Hannecard's quality approach is reflected not only in our ISO 9001:2000 certification but even more importantly in our ever-growing number of loyal customers.





# More Than 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

Aiming for maximum productivity, you are looking for reliable partners, which is why Hannecard offers more than just roller covering: we build strong partnerships, based on guaranteed results.

### The right option for every roller

Each industrial application has its own individual requirements. Our comprehensive range of coverings, comprising natural rubber, all synthetic rubber types, polyurethanes, silicones and composite materials, allows us to evaluate all the options and make the right choices.

### Save time and money

Rely on us to manage your covered rollers. To complement our long-life solutions we offer full technical support including upgrade services. Perfect rollers are a guaranteed step towards increasing the efficiency of your production lines.

### Don't worry about maintenance

Place all your rollers in the capable hands of our service engineers; whether for (dis)assembly, inspection, repair or dynamic balancing. Once your rollers are turning smoothly again, they are returned in top condition - protected and packed with great care.

### Ready for the future

Today, roller covering is about more than just cover replacement. We invest heavily in research and our three integrated laboratories are continually developing new covering qualities to enable you to take the lead over your competitors.

### Always a Hannecard in your area

With more than ten production units in Europe, as well as various joint-ventures and licensees worldwide, Hannecard is never far away. Each site adheres to the same quality standards:

- optimum service and support from a commercial and technical team
- strategic, centrally developed solutions
- specific coverings with innovative technologies like Glue&Grind®
- fast and affordable transport, thanks to a well-established logistics network.



Before



After



## Recent Innovations

### Printam

Based on our composite technology, Printam offers a long lasting and total core protection for squeeze, foulard and sink rollers in demanding chemical and corrosive environments

### HandyCoat

The quick exchange system for coater wheels used in the production of beverage cans. HandyCoat offers an increased production efficiency and reduced downtimes

### EasySleeve-CO

EasySleeve-CO is a conductive sleeve with embedded fiberglass, carbon fiber and conductive resin - the perfect solution for eliminating sparkover and reduce fire risk

### Lotus

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

Teflon is a registered trademark of DuPont™

## Front runner in research and development

The right resources, modern equipment and an open mind enable our three laboratories to develop new rubber, polyurethane and composite compounds to meet the fast-changing needs of our customers. A specialised team looks into the broader functioning of rollers and wheels, leading to total concept solutions that create value, both for you and us.

### Hannecard innovates

- **Technologies** developed by Hannecard that are spreading all over the world: *Printam®*, *HandyCoat®*, *EasySleeve*, light weight rollers,...
- **Unique solutions** based on the combination of different materials: *Lotus*, *Velvet*, *Edelweiss*, *Diamantal*, *Titan*, *Sirius*...
- **High performance and special formulations:** *Monkal*, *Everlast*, *BupFoil*, *MultiGraf*...

### Hand in hand to performance improvement

Our challenge is to reduce your total cost, while improving the performance and lifetime on your production lines. Hannecard offers the unique opportunity to enter into a close partnership, based on continuous improvement with guaranteed results.

### The processes of the future

Equipment manufacturing companies and engineering offices all over the world rely on Hannecard for the supply of new technologies and complete rollers on new machines, driven by their knowledge of our extensive offering and the will to innovate.

## We lend you our ears

By constantly listening to your needs and adapting our offering accordingly, Hannecard has become synonymous with continuous improvement. Our technicians and sales engineers are trained to ask you all the necessary questions to understand and meet your requirements.

### Discover our range:

**S-Range:** standard coverings that meet the needs of the application

**XP-Range:** coverings with improved lifetime and performance

**Special solutions:** coverings for exceptional production conditions

**Concept solutions:** complete review of the roller application

### Use our expertise

Our technical teams can analyse your rollers and make a full assessment of the nature, aspect and condition of your current coverings. We will gladly optimise the layer thickness, hardness and surface finish to obtain the best possible results.

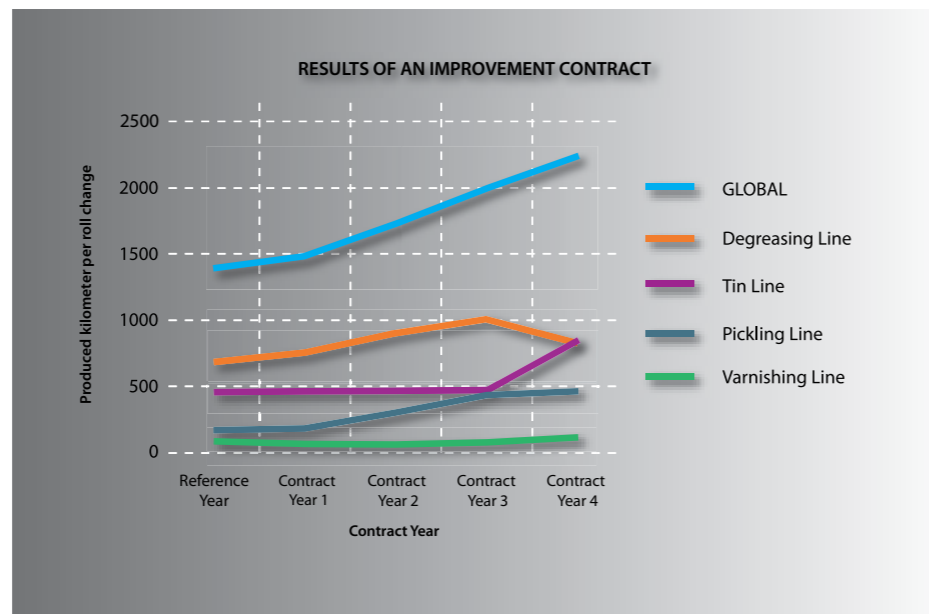
We also provide useful tips on how to store, handle, clean and grind your rollers. Small details that can make a huge difference for your application.



HandyCoat



Results of an Improvement Contract



Printam



Precision measuring





# So many industries, so many rollers



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

## Packaging

Corrugated board and cardboard, food, beverage and spray cans, flexible packaging, paper bags... Hannecard has the right technology and covering for every kind of packaging. Some examples:

- **EasySleeve:** cylindrical or tapered composite sleeves, standard or full conductive for printing, coating and laminating of flexible materials and adhesive products. The unique composite structure guarantees hundreds of sleeve changes without quality loss.
- **HandyCoat:** a unique and patented rapid change system for applying base and finish coats on beverage cans, in combination with our Monkal polyurethane technology.
- *MultiGraf, MultiPrint, MultiCoat, PressoGraf* and other high-quality coverings for the production of all kinds of packaging.

## Converting

The widely used term “converting” refers to processes like lamination, embossing, gluing, coating and printing, and applies, amongst others, to critical products such as hygiene paper and film, tape and adhesives, flexible packaging, wood laminate, PVC and technical textiles.

The production conditions are often stringent and include high temperatures, line speed and working pressures, as well as demanding chemical and environmental conditions.

Hannecard has developed exceptional solutions including *Lotus, Edelweiss, Vulcan* and *MultiGraf*, increasing the limits of elastic coverings and enabling new possibilities.

## Film and foil

Hannecard is equipped to manage rollers of up to 12 metres long and 32 tonnes. Our coverings and solutions are adapted to high speed and high precision operations. Our possibilities include light-weight aluminium and carbon fibre rollers, dynamic balancing and high-precision grinding and finishing.

High-end coverings and concepts are at hand for processes like stretching, corona and flame treatment, film separation, coating, winding and slitting.



## Textile

The diversity of textile products and processes is huge, as is the number of different roller types. Hannecard has got it all covered. We provide solutions for tissue weaving, washing, mercerizing, bleaching, dyeing and coating as well as for products such as non-woven, tufted carpet, technical textiles and watertight tissue.

Our extensive covering range features *Resistex*: the global solution for textile wet finishing.

## Paper and cardboard

Paper production is a critical and demanding business, where covered rollers have to meet complex requirements. Hannecard has responded to the industry's specific needs, by creating a separate unit, specialised in the covering of rollers with rubber, polyurethane and composite materials for the production of pulp and paper: *Kalker Paper*.

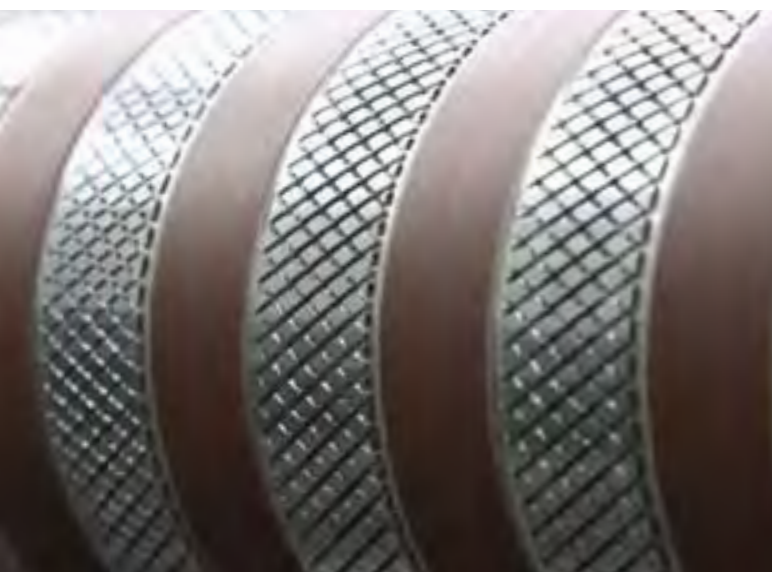
Our rubber and polyurethane solutions also apply to the finishing and converting of paper and board products: packaging, envelope production, cutting, folding, printing, embossing etc.

## Wood

From tree to finished product, Hannecard proposes coverings with a lifetime guarantee. The exceptional hardness range, from shore 00 to shore D, offers coverings adapted to every type of application.

For the coating, varnishing and oiling of wooden surfaces, Hannecard proposes *WoodFoam* - a full-range of cellular rubber coverings with different density levels - as well as coverings from 10 to 65 shore A (both in rubber and polyurethane) such as *MultiCoat* and *Monkal*.

The roller surface can be smooth, but also grooved and engraved finishes (by laser or mechanically) are possible. Also, for laminating with either cold glue or hot-melt technology, specific coverings are at hand.



## Some figures

### Roller covering capacity

- up to 2.600 mm diameter
- up to 12.000 mm length
- up to 32.000 kg weight

### Dynamic balancing

- up to 2.000 mm diameter
- up to 10.000 mm length

- ISO 9001:2000 certified
- More than 3.000 loyal customers
- Yearly more than 30.000 roller covering jobs
- More than 1.000 rubber, polyurethane and composite formulations
- Yearly about 50 new formulations

## Metal

Covered rollers play an important role, primarily in the transformation of coils, but also in other applications. Processes like pickling, rolling, electrolytic and organic coating, galvanising and annealing require the utmost in performance from every roller in operation.

Hannecard has been a leading supplier to the steel, stainless steel, aluminium and non-ferrous industries for many decades. Its high-performance, longlife coverings enjoy worldwide recognition.

*PRINTAM®, Monkal, Velvet, Everlast, Titan:* our solutions offer your company the potential to drastically improve productivity.

## Other sectors

At Hannecard you'll find the right range for hundreds of applications in the industry, for covering, grinding and maintaining rollers: flat glass washing and calendering, processing meat and food products, tanning leather, transporting ore, ...





# More Information

# Past, present, future



## Corporate Website

The digital platform par excellence to learn all about Hannecard, its products range, latest news flashes, contact data and technical information. Brochures, leaflets and data sheets are available in multiple languages.



## Documentation and product leaflets

Each application requires specific coverings. That's why Hannecard displays its solutions for every industrial domain by means of specific and detailed leaflets. Also general technical information and data sheets are available to help you make the right choice.



## Customer support

Day after day, our skilled sales and technical staff is at your disposal to offer guidance and full support. Don't hesitate to contact your nearby Hannecard division or partner and allow us to help you with any question you may have.

## 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 various industries
- **Specialty Graphics** sleeves and roller coverings for flexography, rotogravure and narrow web printing, in addition to the classic solutions for offset printing
- **Kalker 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 led 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.***