



ROLLER COVERINGS FOR THE GRAPHICAL INDUSTRY LABEL & NARROW WEB PRINTING

As a label printer or a machine developer, you are facing particular challenges in delivering high print quality, intricate complexity of designs, faster turnaround and new substrates that are making packaging labels more complicated.

YOUR REQUIREMENTS

- **Reliability & long lasting solutions** for all printing and production steps
- **High abrasion resistance**
- **Excellent transfer properties** for inking and varnishing rollers
- **High finishing tolerances** for impression rollers

The times when labels served only to tell what a product was, and nothing more, are definitely long gone. Labels have become an important feature of marketing strategies and labor intensive packaging designs.

This is particularly the case for very consumer oriented products like tubes, spray cans and cosmetic packaging, where the use of metallic colours, varnishes and embossed prints have been introduced as a key element to increased attractiveness.

For optimum print quality, all the steps of the printing process must be designed to work together in close harmony.

Covered rolls play a crucial role in ensuring that this is the case. Since Hannecard focuses specifically on developing high end printing solutions, we guarantee a range of roll coverings that responds to every possible quality request and that helps you to maximise your performance level.

LABEL PRINTING

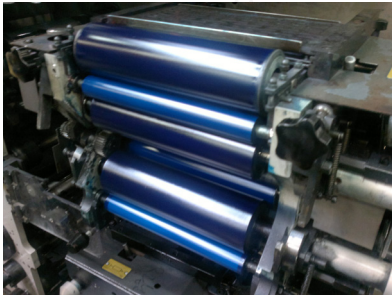
The combination of various printing and converting techniques has created a difficult set of conditions for the covered rollers. Also the frequent use of rotation screen printing makes label printing very peculiar as

it requires impression rollers with high dynamical properties and severe finish tolerances. Hannecard disposes of precision grinding and inspection tools and offers you unrivalled solutions for this critical application.

THE HANNECARD ADVANTAGE

- **Roller coverings suited for all printing, coating and converting techniques**
- **World-wide experience**, recognized by major OEM's
- Rubber and polyurethane solutions that guarantee the best **performance and reliability**
- All compounds with **high purity and homogeneity**
- **High precision grinding**
- **Special equipment** for the production, finishing and inspection of impression rollers
- **Constant development of new solutions and services** to meet customer needs

Print type	Roll type	Solution	Characteristics
Flexography	Fountain roll	FlexoGraf-SL Black, rubber 60, 65 & 70 shore A	<ul style="list-style-type: none"> • Suited for water based inks • Excellent ink transfer properties • High purity and homogeneity
		FlexoGraf-SB Black, rubber 70 shore A	<ul style="list-style-type: none"> • Suited for solvent based inks • Excellent ink transfer properties • High purity and homogeneity • High abrasion resistance
Offset	Inking, form and transfer roll	MultiPrint-I Black, rubber 30-55 shore A	<ul style="list-style-type: none"> • Suited for standard inks and for alternated use of standard and UV inks • Excellent ink transfer properties • High purity and homogeneity
		MultiPrint-SP Green, rubber 35-55 shore A	<ul style="list-style-type: none"> • Suited for UV inks • Excellent ink transfer properties • High purity and homogeneity
		MultiPrint-XP Black, rubber 45-55 shore A	<ul style="list-style-type: none"> • Suited for standard, UV, water based and metallic inks • Non-ageing • Suited for higher loads • Excellent abrasion resistance
	Dampening roll	MultiPrint-XL Dark Blue, PU 45-50 shore A	<ul style="list-style-type: none"> • Suited for standard, UV and newest low migration food quality inks • Excellent transfer properties • No migration to surface • Less sensitive to storage and temperature conditions • Improved abrasion resistance compared to MultiPrint-XP
	Dampening roll	MultiPrint-M Black, rubber 25-50 shore A	<ul style="list-style-type: none"> • High purity and homogeneity • Excellent transfer properties



Print type	Roll type	Solution	Characteristics
Rotation Screen printing	Impression roller	LabelPress-S Black, rubber 95 shore A	<ul style="list-style-type: none"> Grinding precision to 5 µm Excellent dimensional stability even with humidity and temperature fluctuations No swelling, reliable also during ink changes Excellent and stable paper transport
		LabelPress-XP Dark Blue, PU 95 shore A	<ul style="list-style-type: none"> Grinding precision to 5 µm Improved abrasion resistance and lifetime Excellent dimensional stability even with humidity and temperature fluctuations Constant properties even after long runs Extreme purity and zero default Non-marking surface
Lacquering unit	Coater Roller	MultiCoat-SB Green, rubber 35-65 shore A	<ul style="list-style-type: none"> Suited for solvent and water based lacquer and varnish High purity and homogeneity Excellent and constant transfer properties
Hot stamp & Embossing Unit	Hot stamp & Embossing roller	HotStamp-S Black, rubber 95 shore A	<ul style="list-style-type: none"> Very good rebound, fatigue properties and lifetime Stable to 150 °C, also with changing humidity conditions Very good abrasion resistance
		Hannetherm Black, PU 90 shoreA	<ul style="list-style-type: none"> Excellent recovery under deformation thanks to elastic behaviour Outstanding dynamical properties Stable properties upto 140°C Excellent mechanical properties

TUBE AND CAN PRINTING

Specialized machines are used to transform plastic and aluminium into an attractive packaging, often characterized by metallic prints and decorative varnishes.

Adapted and simplified offset machines are used to print the tubes and cans, often at dazzling speeds. For the same reason, UV dried inks are particularly recommended.

This reduces the options for the inking rollers, that suffer furthermore from rapid abrasion.

For the varnish positions, the solvent base will determine the options for the coater rollers. Possibilities exist in rubber and polyurethane as well as in fluoro-elastomers for specific cases.



Print type	Roll type	Solution	Characteristics
Offset	Inking roller	MultiPrint-I Black, rubber 30-50 shore A	<ul style="list-style-type: none"> Suited for standard inks and for alternated use of standard and uv inks Excellent ink transfer properties High purity and homogeneity
		MultiPrint-SP Green, rubber 35-55 shore A	<ul style="list-style-type: none"> Suited for uv-inks Excellent ink transfer properties High purity and homogeneity
		MultiPrint-XP Black, Rubber 45-55 shore A	<ul style="list-style-type: none"> Suited for standard inks and for alternated use of standard and uv inks Non-ageing Suited for higher loads Excellent abrasion resistance
	MultiPrint-XL Dark Blue, PU 45-50 shore A	<ul style="list-style-type: none"> Suited for standard, UV and newest low migration food quality inks Excellent transfer properties No migration to surface Less sensitive to storage and temperature conditions Improved abrasion resistance compared to MultiPrint-XP 	
	Dampening roller	MultiPrint-M Black, rubber 25-50 shore A	<ul style="list-style-type: none"> High purity and homogeneity Excellent transfer properties
Lacquering unit	Coater Roller	MultiCoat-SB Green, rubber 35-65 shore A	<ul style="list-style-type: none"> Suited for solvent and water based lacquer and varnish Excellent transfer properties High purity and homogeneity
		Monkal Cream, PU 40-65 shore A	<ul style="list-style-type: none"> Very high purity and homogeneity Very long lifetime Special surface finish for improved varnish transfer Easy to regrind
		Meteor 60-CH Black, fluoro- elastomer 60 shore A	<ul style="list-style-type: none"> Complete chemical stability to all varnishes and solvents High purity and homogeneity High abrasion resistance

MORE INFORMATION?

For more information, please contact your local Hannecard partner or visit our website at:
www.hannecard.com