

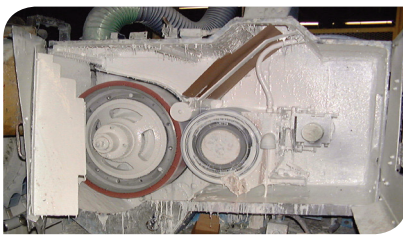


# ROLLER COVERINGS FOR THE PRODUCTION OF METAL BEVERAGE & SPRAY CANS

Beverage and spray cans are produced out of covered steel or aluminium slugs.

To ensure a high-quality coating, elastomer covered rollers and wheels are used. Furthermore, spray cans can be (offset) printed to enhance the decorating and labelling.

Hannecard offers precise and unique solutions for lacquering, varnishing and printing on cans.



## 1. LACQUERING AND VARNISHING ON CANS

Base varnishing and overvarnishing can result in different needs as to the covering choice, depending on the type and thickness of the coating and on the size of the wheels or rollers

Type	Solution	Characteristics and advantages
Rubber	<b>MultiCoat-SB</b> 35-65 Shore A	<ul style="list-style-type: none"> <li>Global quality for solvent based varnishing (MEC, acetates, cetones etc.)</li> <li>High dimensional stability</li> <li>High purity and homogeneity</li> </ul>
Rubber	<b>Meteor-CH</b> 60 Shore A	<ul style="list-style-type: none"> <li>Specific solution for solvent based varnishing containing aromatic products (xylene, benzene, toluene)</li> </ul>
Polyurethane	<b>Monkal-4</b> 40-65 Shore A	<ul style="list-style-type: none"> <li>Global quality for solvent and water based coating and varnishing</li> <li>Excellent abrasion and cut-in resistance</li> <li>Very high wettability (surface energy)</li> <li>Improved lifetime</li> </ul>

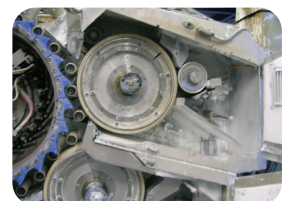
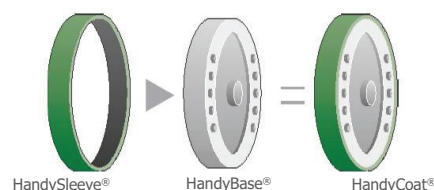
### HandyCoat® - ADVANTAGES

- Very easy change over
- Reduced change-over time
- Reduced set-up time
- Reduced waste at each change-over
- Important cost saving
- Weight reduced by 3-4 times
- Ergonomically friendly, less injuries
- Reduced delivery time, sleeves can be kept on stock
- Easy manipulation for regrinding
- No need for spare wheels, reduced investment cost, saving of storage place

### HandyCoat®

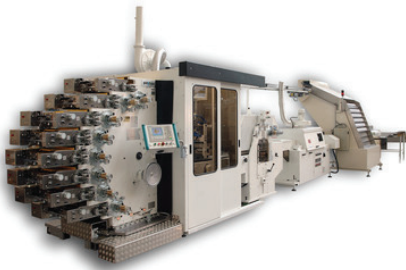
Our patented quick-exchange system for the base coating and the over-varnishing of beverage cans.

The unique combination of HandyBase® and HandySleeve® makes production changes easier than ever, reducing cost and waste and enhancing product quality.



## THE HANNECARD ADVANTAGES

- Standard, as well as high performance solutions for all applications
- Pure and homogenous covering qualities with high wettability for coating
- Easy regrinding
- Complete product range for all printing techniques
- Follow-up and technical support
- Fast and complete service



## RELATED DOCUMENTS

Solutions - 'Label & Narrow Web Printing'

Product information - 'HandyCoat®'

## 2. BOTTOM RIM COATER

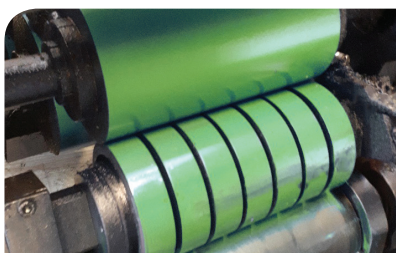
The bottom rim coater roller transfers a protective varnish onto the bottom of the can. The varnish ensures a smooth surface on the bottom of the can.

Type	Solution	Characteristics and advantages
Polyurethane	<b>Monkal-5</b> 15-65 Shore A	<ul style="list-style-type: none"> <li>• Very high abrasion resistance</li> <li>• Excellent dimensional and groove stability</li> <li>• Recommended for long production runs</li> </ul>

## 3. PRINTING ON CANS

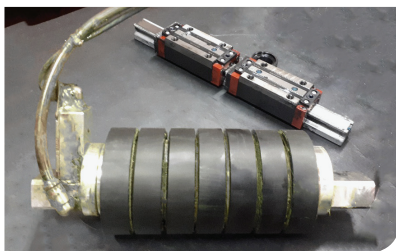
For printing on spray (aerosol) cans, mostly dry (waterless) offset is used by means of adapted offset machines. Due to the high speed and the mechanical aggression, inking rollers suffer from rapid degradation. Therefore, Hannecard has developed higher performing solutions :

Type	Solution	Characteristics and advantages
Rubber	<b>MultiPrint-I</b> <b>MultiPrint-M</b> 25-45 Shore A	<ul style="list-style-type: none"> <li>• Suited for classic offset printing with greasy inks</li> <li>• Outstanding ink and water transfer properties</li> </ul>
Rubber	<b>Multiprint-SP</b> 35 and 45 Shore A	<ul style="list-style-type: none"> <li>• Suited for printing with dry UV inks</li> <li>• Excellent transfer and wettability properties</li> <li>• Very good mechanical properties</li> <li>• Excellent resistance against chemical cleaning products</li> </ul>
Rubber	<b>MultiPrint-XP</b> 45-55 Shore A	<ul style="list-style-type: none"> <li>• Suited for combined printing with classic inks and UV inks</li> <li>• Remarkable abrasion and cut-in resistance</li> <li>• Recommended for enhancing the lifetime on plate inking rollers</li> </ul>
Polyurethane	<b>MultiPrint-XL</b> 45-50 Shore A	<ul style="list-style-type: none"> <li>• Suited for waterless offset (printing on cans)</li> <li>• Improved abrasion resistance</li> </ul>



## 4. CIC ROLLERS

These backfilled inking rollers create a coating contrast on the beverage can. The thickness of the ink on the can varies as a result of the functioning of the rollers. The rings covered with the MultiCoat rubber or HanneFlex polyurethane quality are expanded by air pressure. Each ring can be expanded separately to determine the thickness of the ink. The rings are positioned on a metal bar, provided with the air holes to create the air pressure for the expansion of the rings. The rings are individually covered with the rubber or polyurethane quality to ensure an excellent coating result.



Type	Solution	Characteristics and advantages
Rubber	<b>MultiCoat-SB</b> 35-75 Shore A	<ul style="list-style-type: none"> <li>• High purity and homogeneity</li> <li>• Excellent wettability</li> <li>• Excellent resistance to acid solutions</li> <li>• Excellent resistance to polar solvents</li> </ul>
Polyurethane	<b>HanneFlex</b> 60, 65 Shore A	<ul style="list-style-type: none"> <li>• Exceptional cut resistance</li> <li>• Excellent abrasion resistance</li> <li>• Outstanding crush resistance</li> </ul>