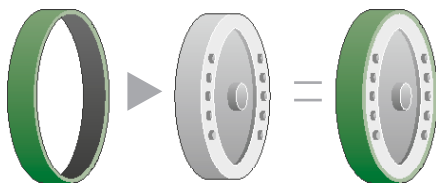


Patented system
EU : PCT EP2005/010302 / US : 8,075,465.B2

HANDYCOAT® TOLERANCES

- External diameter: 0,15 mm
- Width : 1 mm
- Run out : 0,075 mm
- Lateral run out : 0,25 mm
- Roughness : 0,7 to 0,9 Ra µm
- Dynamic balancing : G 6,3
- Hardness cover : ± 5 shore A



HandySleeve® + HandyBase® = HandyCoat®



THE BREAKTHROUGH IN BEVERAGE CAN COATING

Discover Hannecard's HandyCoat® and find out how to perform a quick, easy and safe changeover of your coating wheels !

The concept

HandyCoat® is the umbrella term for Hannecard's innovative and patented solution for base and overvarnish coaters, developed as a sound and flexible alternative for current coating systems. These systems are often characterised by being labor-intensive time stuffers when it comes to changeover. With the HandyCoat system, the coater covering is separated from the coater core. The soft covering is cast on a glass fibre sleeve (HandySleeve®) that can be easily, quickly and safely mounted and demounted on a coater core (HandyBase®), specifically designed for that purpose.

Thanks to its well-thought design, a full tie-up and vibration free connection of both parts is guaranteed, resulting in an impeccable output quality.

Accelerate changeovers and save precious time

Accelerate your changeovers and reduce machine idle time: the HandyCoat®-system allows for one operator to replace the coating wheel in maximum 5 minutes whereas in the conventional process it takes up to 30 minutes for two operators to replace the cumbersome wheel.

Also consider this: as the wheelbase remains untouched, time-consuming realignment is no longer needed. This way, you save time and as an added advantage you greatly reduce the number of wasted cans during the realignment job.

As the sleeve is a stock item available of the shelf, you only have to take shipping time into account.

Cut back your costs

Using HandyCoat also provides you with several ways to cut back costs. Usually a considerable capital is tied up in a huge set of spare cores in order to anticipate recovering cycles. Thanks to the use of covered sleeves, this capital can now be

applied for other purposes.

A second way to save money is to cut down maintenance costs. As shafts are not unscrewed with every regrinding or recovering operation, you can now noticeably slow down wearing and so extend working life. In other words: using HandyCoat® helps you to cut down maintaining costs!

The use of sleeves also decreases expensive export and re-import formalities. As the covered sleeves are a one-way product, there will be less administration and follow up.

And finally, most coating lines are equipped with a shiftable coater mechanism which makes it possible for the covering to be reground.

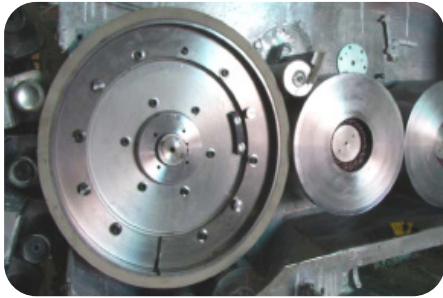
Improve your ergonomics

Thanks to the small handling weight during changeovers, you can now considerably reduce the risk for injuries with operators and restrain absence from work. For example: the changeover weight of a 33 cl can coating wheel is reduced from 23 kilograms (in case of a 'Three Pin'-equipment) to an 8 kilograms weighing HandySleeve®.

Covering types

Usually, the sleeve covering nature is chosen depending on the kind of coating you apply. Hannecard offers coverings in polyurethane and rubber, suitable for every application.

However, we strongly recommend **Monkal®**. Monkal® is a unique covering quality that is **particularly developed for paint and varnish applications**. The chemical formulation of this polyurethane guarantees a very good resistance to paint and varnishes and ensures that the performance characteristics of the covering remain constant throughout its active life. Your Hannecard contact person will gladly assist you to find a solution that is tailored to your application.



MONKAL®: THE RECOMMENDED COVERING TYPE
for base coaters and overvarnish wheels

Technical characteristics

- Hardness: 40-60 shore A
- Colour: Cream
- Thickness: 15 to 30 mm

Key Features

- Very good resistance to paints and varnishes
- Very good resistance to cleaning solvents
- Perfect coating quality thanks to silky appearance after grinding and high surface energy
- Multiple regrindings possible
- Very good wettability

THE HANDYCOAT® ADVANTAGES



Efficiency : All beverage can height sizes can be coated on the same wheel thanks to the HandyCoat® "spacers" (distance rings).



Time saving :

Fast changeovers : it takes 1 operator only 5 minutes to change a covering, wheel or crown, which is about 6 times faster than a regular changeover

No realignment of the wheel or crown needed after changeover, which means: less wasted cans and a **higher production capacity** resulting in **more profitability!**



Improved ergonomics : up to 400% weight reduction for the operators, which makes it **much safer** than classical applicator rollers.



Cost saving :

Reduced machine idle time.

Lowered maintenance cost of cores as the shaft has a longer working life (reduced wearing as they are not unscrewed with every regrinding operation). Lower transport costs, since the wheels or crowns do not need to be send back for recovering.

Reduced paint/varnish consumption

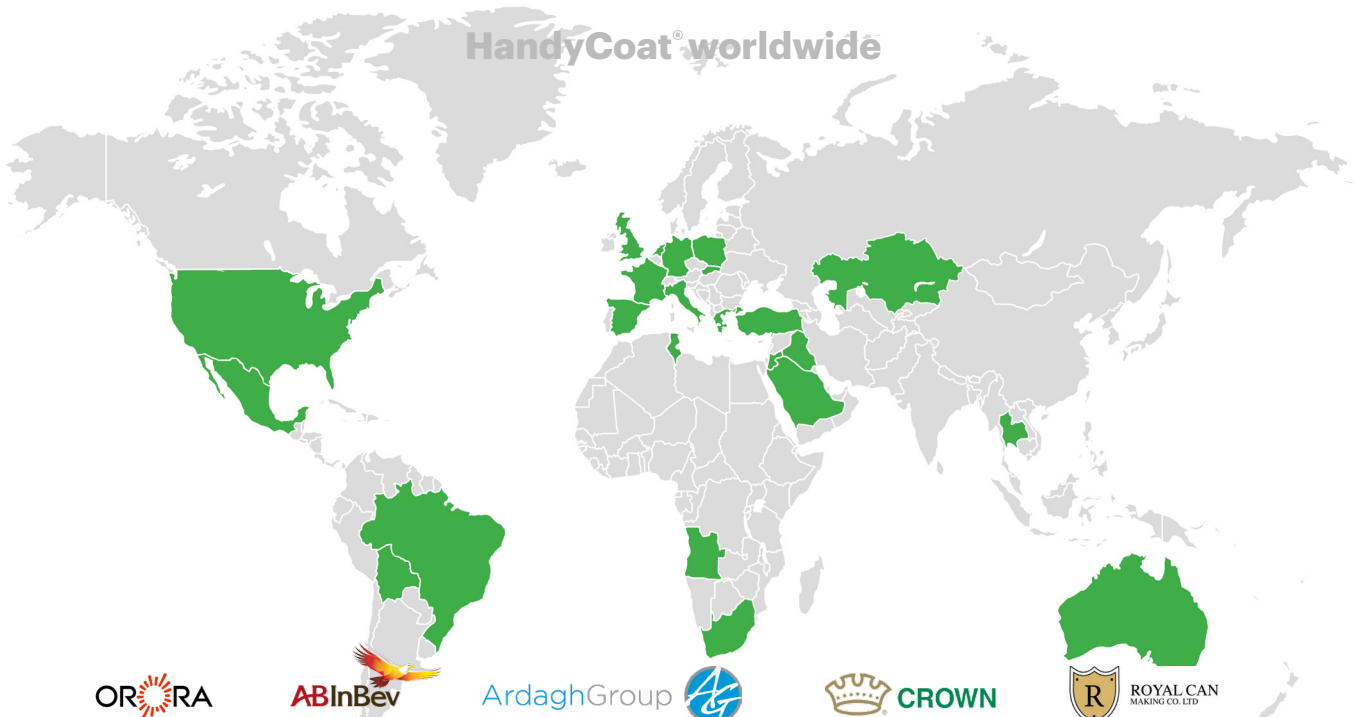


+25% longer lifetime of the coverings : as a result of more precise running conditions.



General Pay Back Period of 6 to 18 months, depending on coater/decorator and the can type.

HandyCoat® worldwide



ORORA

ABInBev

ArdaghGroup

CROWN

ROYAL CAN MAKING CO. LTD

Ball

CARNAUDMETALBOX
ENGINEERING

Nampak
packaging excellence

CP
CANPACK

NEED MORE INFORMATION? Please contact your local Hannecard partner or visit our HandyCoat® website at: <http://www.handycoat.eu>

HANNECARD
YOUR ROLLER EXPERT