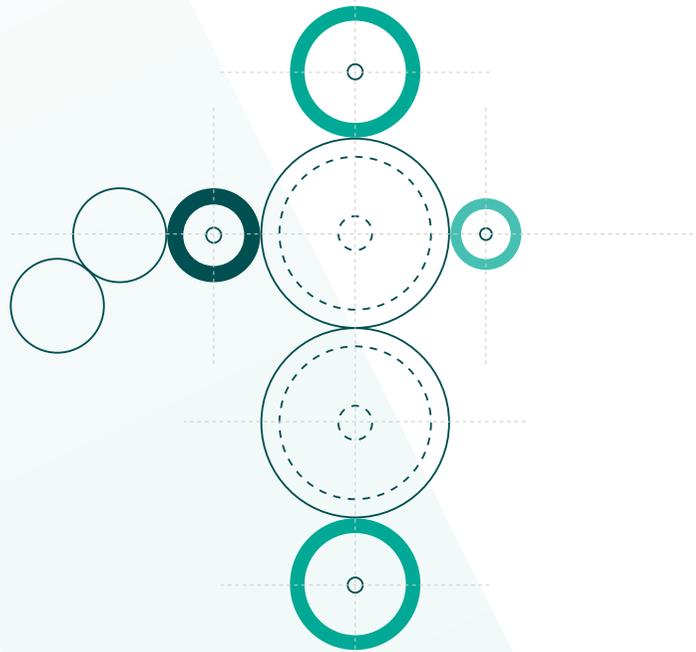


04

Covering Solutions



EMBOSSING ROLLS



RESISTOPLAST
XL PLAST
MULTIPLAST
EMBOFLEX XL

GLUE APPLICATOR ROLLS

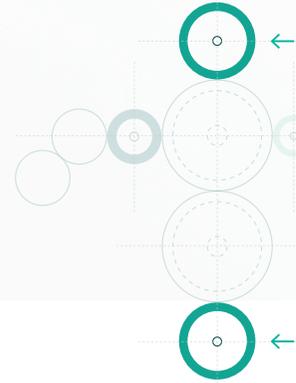


SIZEMASTER
SIZEMASTER 4

MARRYING ROLLS



PRESS PLAST 1
PRESS PLAST GOLD
PRESS PLAST 4
COMBISTAR XP



Covering Solutions for: EMBOSSING ROLLS

Embossing is used to create patterns, keep the paper plies together, and give volume and thickness to the product.

In most cases, rubber-to-steel embossing is applied to hygiene paper. The rubber embossing roll needs to accept the engraved or needle pattern in a way, that the paper receives the desired deformation.

Hannecard Rollin offers 4 covering ranges, along with an optimized CNPC calculation.



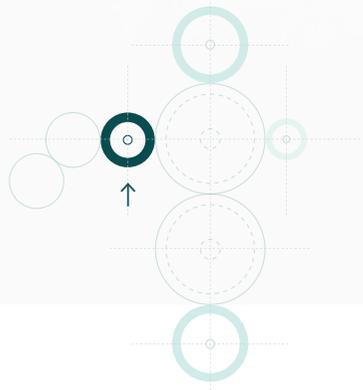
YOUR REQUIREMENTS

- Preserve the paper resistance
- Obtain the desired embossing effect with all pattern types (micro, macro, décor, double height)
- Achieve the desired paper properties: bulk, thickness, resistance, length, faithful décor pattern, softness
- Avoid shadow images

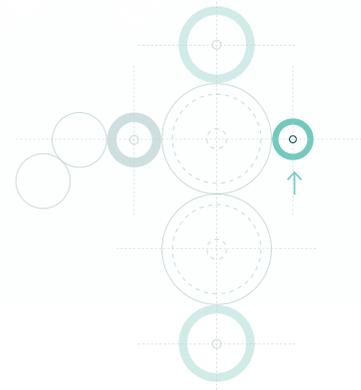


PROPERTIES AND ADVANTAGES OF OUR ROLL COVERS

- Excellent elasticity and abrasion resistance
- Multilayer-technology based on CNPC calculation
- Low heat build-up
- Optimized crowned profile
- Optimized embossing result
- Long lifetime and nip stability
- Optimized cover in the function of machine properties and speed



Covering Solutions for:
**\ GLUE APPLICATOR
 ROLLS**



Covering Solutions for:
**\ MARRYING
 ROLLS**

On modern tissue finishing machines, the applicator rolls are considerably larger and heavier than before. Yet the typical needs of applicator rolls (precise geometry, purity, defect-free surface, transfer affinity) remain unchanged. Additionally, the reduction of glue consumption has become a priority. Consistent and even glue transfer are primordial. Hannecard Rollin has developed products that perform exceptionally. We are also equipped with high precision grinding and finishing machines that assure the required dimensional precision and accurate surface profile. The applicator rolls, also known as cliché rolls, transfer the exact amount of glue to the paper.



YOUR REQUIREMENTS

- Even and accurate amount of glue, over the complete width and circumference
- Prevent rigidity and preserve the softness
- Resist to the abrasion caused by the anilox roller, turning at a different speed, and by the paper
- Chemical stability (cleaning products, ink)



PROPERTIES AND ADVANTAGES OF OUR ROLL COVERS

- Rubber and polyurethane solutions
- High purity
- Excellent abrasion and tear resistance, improved shape stability
- Outstanding chemical resistance
- Very high geometrical precision
- Sleeve solutions, including in-house production of the composite sleeve core

The marrying rolls, also known as lamination rolls, assure the joining/bonding of the different tissue paper layers.

Because of increased technical demands for multi-layered paper, the marrying rolls have also evolved enormously on modern machines. They now come with properties such as higher working pressure, bigger rolls, higher precision, higher cover hardness, and double-layer covers.

Hannecard Rollin can meet all these evolved requirements; we also guarantee improved nip stability. This is significant as it assures constant quality and higher precision in the lamination process.



YOUR REQUIREMENTS

- Good bonding of the paper, whatever the number of plies
- No back-side effect (re-embossing of the inner ply)
- Optimized glue dosage with minimum glue consumption



PROPERTIES AND ADVANTAGES OF OUR ROLL COVERS

- Rubber and polyurethane solutions
- Enhanced lamination quality, thanks to a more stable and higher pressure nip
- Good elasticity, excellent abrasion resistance, chemical stability, antistatic
- Low dust attraction, easy to clean
- Optimal paper release
- Possibility of double-layer covers for no-glue lamination processes

