HANNECARD
YOUR ROLLER EXPERT

MECHANICAL SERVICES

Hannecard offers its customers a broad spectrum of mechanical services.
Thus we make sure your rolls run in the best possible conditions.
With rollers in good shape, less maintenance and machine down-time will be needed.

GENERAL

Because of the coverings' improved quality, rolls are placed under increasing pressure for longer periods. Moving parts wear out faster.

The service life of a covering is strongly related to the way in which the rollers rotate. Hannecard offers its services to carry out the inspection of your rolls before they are recoated. When needed, Hannecard ensures the immediate repair or balancing of your rolls.

CONTROL

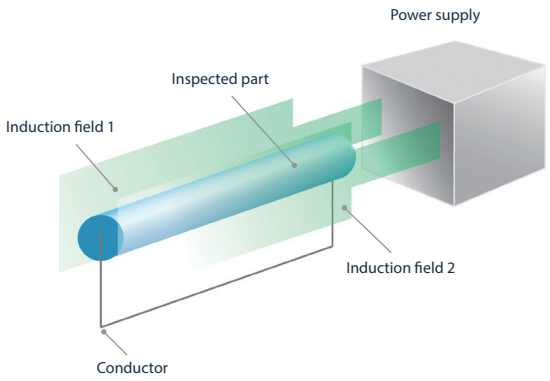
Hannecard propose 3 inspection methods :

- Magnetoscopic control
- Control of the shaft ends and bearing chamber
- Control for static or dynamic imbalance

Magnetoscopic control

This is a general, non-destructive test.

The inspected part is subjected to a strong magnetic field. This reveals both surface and internal cracks.



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Control of the shaft ends and bearing chambers

Bearings and couplings are essential for the drive and the rotation of the rolls. Hannecard offers to audit the following :

- Dimensional precision inspection
- Geometry
- Surface, wear and damage

Balance control

An imbalanced roll causes the covering to wear off faster. This also has a negative influence on the service life of the bearings and shaft ends. Imbalance can cause a decrease of the quality on the production line.

MECHANICAL SERVICES

Repair of cracks, shaft ends and bearing seats

If upon review of the rolls cracks or wearing of the shaft ends are detected, Hannecard will do the necessary repair or will advise you to replace the roll by a new one.

Balancing

A mass is considered to be balanced when it rotates around a fixed axis and only when the center of gravity lies on the axis of rotation, this axis of rotation being the main axis of the roller.

Static balancing consists of placing the center of gravity on the axis of rotation. Dynamic balancing is placing the axis of rotation at the center of the main shaft.

Hannecard can perform both methods. Overall, static balancing is recommended for cylinders turning at a limited speed. For cylinders rotating at high speed, it is better to perform dynamic balancing.
Hannecard proposes a dynamic balancing type for G6.3, or if necessary a higher class G2.5 or G1.

OTHER MECHANICAL SERVICES

- Supply of new cylinders (steel, aluminium, composite materials)
- Supply of bearings, seals and other component
- (Dis)assembly of couplings, bearing and bearing houses
- Maintenance and greasing of bearings and bearing houses
- Painting and protection
- Identification and packaging

RELATED DOCUMENTS

- Technical info - **'Hardness specifications'**
- Technical info - **'Geometrical & Dimensional tolerances'**
- Technical info **'Roll covering process'**
- Technical info **'Roll finishing'**
- Technical info **'Selection guide'**
- Technical info **'Surface characteristics'**
- Technical info **'Transport & Packaging'**

MORE INFORMATION?

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