

HIGHER
PERFORMANCE
AND LONGER
RUNTIME

MEASURABLE ADDED VALUE

Precisely determine optimum doctor blade setting

- **Complete measurement of contact pressure AND doctor blade angle** with clear information on how to improve doctoring performance
- **Identify load optimisation** to increase energy efficiency
- **Produce a detailed report** with all data, measurements and recommendations
- **Longer life** of doctor blades and roll covers due to uniformly loading pressure
- **Suitable for all machine and doctor positions** – independent of type of doctor blade and holder
- **Proven know-how** from a single source: CLOUTH HiSENSE® measuring blade, measurement, report and optimisation

A MATTER OF ADJUSTMENT!

CLOUTH HiSENSE®
Doctor blade measurement

www.clouth-group.com

CLOUTH HiSENSE® DOCTOR BLADE MEASUREMENT

Precisely determine optimum doctor blade set-up



Simple data collection

While the measuring blade is in use, the measurement data is immediately transmitted to specially developed software and evaluated. The radio-based transmission allows the use of up to 60 sensors.

Pressure tests

Determines the loading distribution at CURRENT pressure and calibration of up to 6 further pressure levels during a series of measurements for optimum doctoring.

Precise measurements

Measurement of loading distribution and angle. Results are clearly displayed by means of a load curve over the entire width of the doctor blade. The interaction of contact pressure and contact angle of the doctor blade can thus be easily analysed and optimised.

Optimum prerequisites

- Machine shutdown for approx. four hours
- Adjustable doctor blade holder: Lifting and applying
- Adjustable contact pressure – even during a shut
- Clean doctor blade holder
- Clean roll and cylinder surfaces

Supporting information

- Contact pressure of the doctor blade during operation
- Running times of the blade and any abnormalities
- Type of doctor blade holder
- Roll and cylinder surfaces

Detailed report with clear recommendations from our experts for

- Ideal loading pressure
- Synchronised doctor blade angle
- Ideal doctor blade holder settings and recommendations
- Optimisation of roll and cylinder surface conditioning
- Recommendations for load optimisation to identify potential energy savings per the measured data

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For cleaning the doctor and checking the recommended angle setting, we recommend these proven products from our range of accessories:



CLOUTH DOCTOR-GAUGE® ↗
Digital angle measurement tool for easy adjustment of the doctor blade holder and for checking the blade angle

CLOUTH DOCTOR-CLEAN® II →
Cleaning system for simple and easy cleaning of doctor blade holders

← Blade elements with 4 sensors each can be connected up to a total length of 12 m

