

## OnV FlocSpotter

The versatile formation sensor for the forming section



### **Reliable measurements as early as possible**

For papermakers, formation is very important as it is a measure of sheet formation. Therefore, formation relates to other quality parameters, such as printability.

In order to gain maximum control over the sheet-forming process, formation should be measured as early as possible.

For this reason, Voith has developed OnV FlocSpotter, a formation sensor which works right there, in the forming section.

### **Information about every ply**

OnV FlocSpotter is especially useful for the production of board and packaging grades, as its sensor can measure the formation of every individual ply on a multi-layer machine.

Graphical machines, however, also benefit from OnV FlocSpotter, as it provides shorter reaction times on furnish and machine variations. This would not be possible with other standard formation sensors available on the market that measure at the reel.

## Towards better formation

Thanks to OnV FlocSpotter, papermakers can discover quality issues long before the paper is on the reel and are thus able to react instantly.

To set formation back on track, various furnish and machine parameters can be changed, such as consistency, retention aid dosage or jet-to-wire speed difference.

Furthermore, OnV FlocSpotter can be used to define certain formation limits for a given quality level. Accordingly, the operator is able to change machine settings while keeping formation within the desired specifications. Consumption of raw materials, process chemicals and energy can therefore be reduced.

All data is automatically transferred to the OnView system for real-time trending and reporting. This allows for correlation with other machine, process and quality data.

## Perfect fit for optimum formation

OnV FlocSpotter works well with every forming fabric available in the market. However, the formation sensor harmonizes perfectly with the high-quality Voith I-series forming fabrics.

### Forming fabric MultiForm IC

MultiForm IC is a robust weft-bound SSB forming fabric that is used on board and packaging paper machines. It provides a larger open surface and a finer paper side for better paper quality. Due to the unique warp concept of MultiForm IC, a fine paper side can be combined with an extremely stable machine side. Particularly the open machine-side structure provides for efficient dewatering. The good abrasion resistance and cross stability of MultiForm IC guarantee a long operating life.

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## Advantages Hardware

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- + High-quality imaging system with a Gigabit Ethernet digital camera operating at high shutter speeds and at powerful LED strobe light
- + Robust sensor frame that can withstand the challenging conditions of the forming section
- + Comfortable cleaning system for the protective housing including a fast-spinning measuring head with purge air and a light box with a water curtain

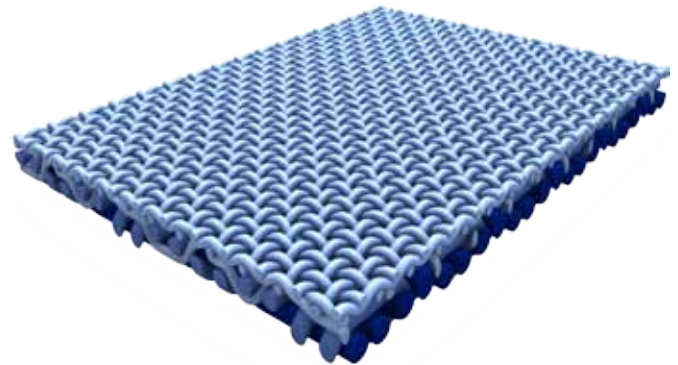
## Features Software

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- Automatic adjustment of strobe light intensity
- Ambient light compensation
- Automatic wire removal algorithm by Fourier filtering
- Formation index
- Indices of different size categories (fine, regular, coarse)
- MD/CD ratio of formation (streaky)
- Trend display
- Various image displays
- Image viewer for offline analysis
- Interface with OnView information system
- Optional: digital light table for structure characterization

## MultiForm ICY

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Engineered Reliability