

PARALIGN® in the calender section

In the calender section the paper is smoothed and brightened. A paper mill for premium magazine paper showed quality problems in the calender section.

In particular, folds production, asymmetric winding and paperbreaks occurred. As an example a calender unit is shown in the picture.

The unit is placed between the ground and the first floor of the machine hall. Because of less space in front of the unit it was hard to access all rolls with traditional optical systems. Thus optical measurements lose accuracy and time by the necessity of additional measurement equipment like mirrors and prisms.

The plant engineer took PARALIGN® as an option to the traditional systems. The system works also in narrow space with the same accuracy. Especially no line of sight between the rolls is needed for the measurement.

The PARALIGN® measurement was performed in a very short period of time – the results were well defined: The idlers of the calender showed huge horizontal offsets. Thus asymmetric tensions on the paper occurred. The reason for the quality problems was found.



The next page shows the PARALIGN® protocols of the discussed calender before and after the corrections. The improvement in roll parallelism can be seen clearly. After the alignment the quality standards of the paper met the requirements while the machine availability increased by a reduction of paperbreaks.

Unwanted vibrations?

VIBXPERT®

Vibration measurement and diagnosis with the better partner.



Contact us for further information
www.pruftechnik.com

Advantages of PARALIGN® in the calender

Longer lifetime of consumables:

- ▶ bearings, rolls

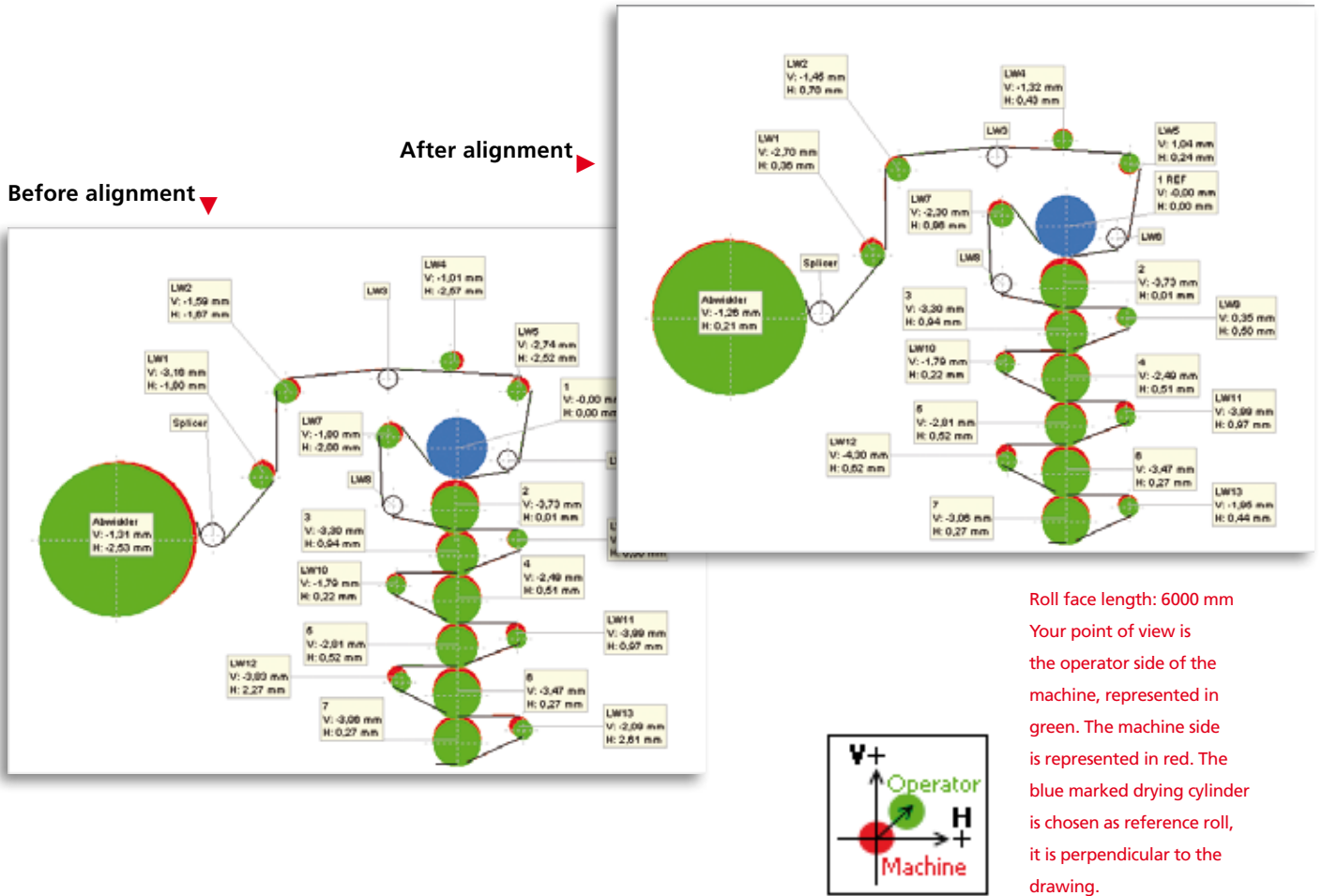
Higher machine availability:

- ▶ reduction in paper breaks
- ▶ rare replacement of parts results in reduced stoppages

Increased quality:

- ▶ decrease in folds
- ▶ uniform winding
- ▶ less waste

The PARALIGN® protocols



For further information please see www.PARALIGN.info

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