Press Release

Date: April 2011

Enclosure: jpg.

Reference: PR-0070-FKAP-300311-PSSE

PSS Polytec Spectrometer Systems and Access: New Tools for Versatile Process Applications

The new generation of Polytec's NIR Spectrometers is characterized by a compact design and the possibility to attach a variety of measuring accessories (fig. 1). A ½ 19'' housing combined with appropriate sample presentation devices makes these systems suited for fully automated measurement processes like inline monitoring of parameters on harvesting machines or during the filling process of a bunker silo (fig. 2 and fig. 3, respectively).

Depending on the required measuring distance two sensor heads are available: a) For non-contact measurements, e.g. web applications or bulk material on a conveyor belt, the PSS-H-A03 Distance Sensor Head is used (typically required distances between 150 to 500 mm, cp. fig. 4 and fig. 5). b) Pasty and liquid samples or powders require a PSS-H-B01 Contact Sensor Head (measurement distances between 0 and 20 mm, fig. 6 and 7).

Both sensor heads are made of stainless steel and fulfill requirements for protection class IP64. As a standard feature, fully automated alignment capabilities for transfer of calibrations between systems are also included.

Visualization of results and spectra as well as the definition of measuring tasks is accomplished by using the PSS-S-POP Process Software. Standard software packages for multivariate data analysis are used for the determination of process relevant parameters.

For more information: www.analytics-online.com

Publication free of charge

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Fig. 1:

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Fig. 2:

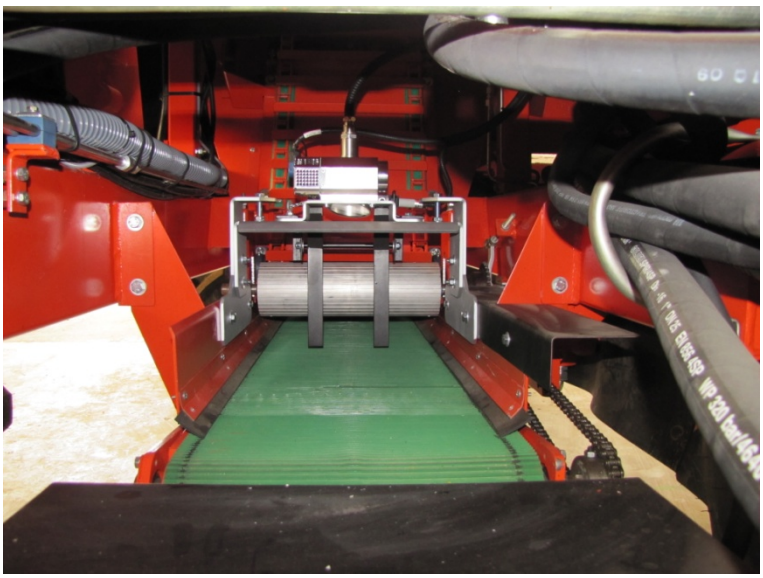

Fig. 3:

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Fig. 4:

Fig. 5:

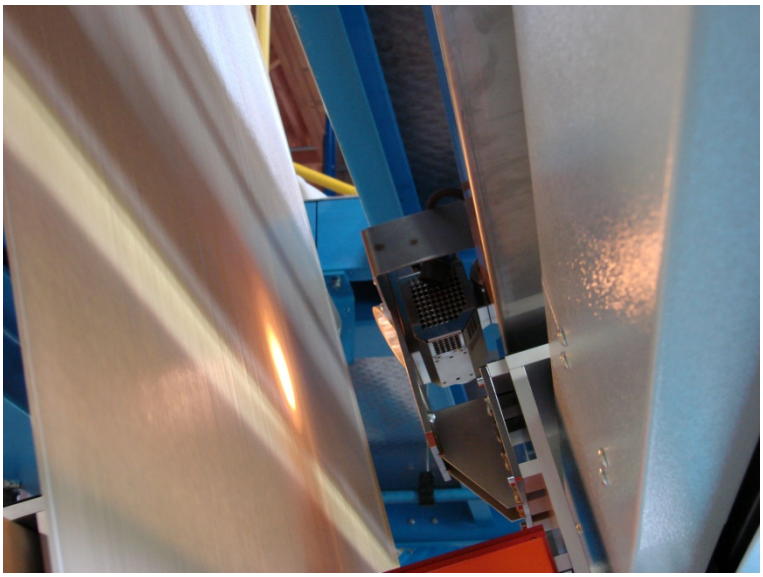

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Fig. 6:

Fig. 7:

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