Application - News N°21 SPECTRO-3 series



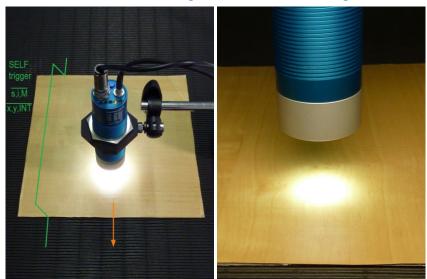
1. Color signal recording and color signal monitoring

More and more users of the SPECTRO-3 color sensors are asking for a color monitoring and color

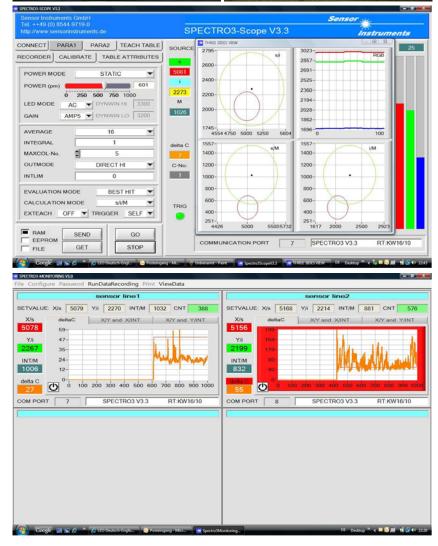
recording software. The manufacturers of endless materials like plastic foils (e.g. furniture, paper and automotive industry) and the fabricators of laminated medium density fiberboards (MDF) needs an inline sensor system not only for a 100% - quality control but beyond that a system for color signal recording, which allows also to document data like product number, customer name or number, order number, operator name, time and date. Furthermore,

the sensor system should inform the operator about the color trend of the product, thus possible countermeasures can be duly initiated. Dependent on the product the Windows® software **SPECTRO3-MONITORING** can be adjusted to a continuous data recording or to an auto triggered data recording. Endless products like plastic foils will be continuously recorded whereas the auto triggered mode is necessary

for the fiberboards. In case of auto triggered mode, the SPECTRO-3 sensor is adjusted to an external trigger mode or to the SELF trigger mode. As long as the trigger is switched on an average value of the s,i,M or the x,y,INT parameters will be calculated from the color sensor and immediately sent after "trigger off" via the RS232 to the monitoring system. Moreover the SPECTRO3-MONITORING software can manage up to 8 SPECTRO-3 sensors simultaneously.



Sensor Mark



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| Data Monitoring Results | × · | Data Monitoring Results |
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| Sensor: sensor line1 | | Sensor: sensor line2 |
| Parameter 1: factory 2 | | Parameter 1: factory 2 |
| Parameter 21 hall 2 | | Parameter 2: hall 2 Parameter 3: line 3 |
| Parameter 3: line 3 | | Parameter 3: line 3 Parameter 4: machine 22 |
| Parameter 4: machine 22 | | |
| Parameter 6: operator name = smith | | Parameter 6: operator name = smith Parameter 7: order number = 888234111 |
| Parameter 7: order number = 888234111 | | Parameter /: order number = 808234111 Parameter 8: customer name = smithkline |
| Parameter 8: customer name = smithkline | | Parameter 9: product number = 123888 |
| Parameter 9: product number = 123888 | | Setvalue for X a = 5168 |
| Setvalue for $X = 5079$ | | Setvalue for Y 1 = 2214 |
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| Date Time X s Y i INT M Delta C | | 05-01-2010 22:17:16 5198 2234 684 199 |
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Copy of the recorded files displayed in Word® from two sensors, it is also possible to graph the recorded data with EXCEL®.