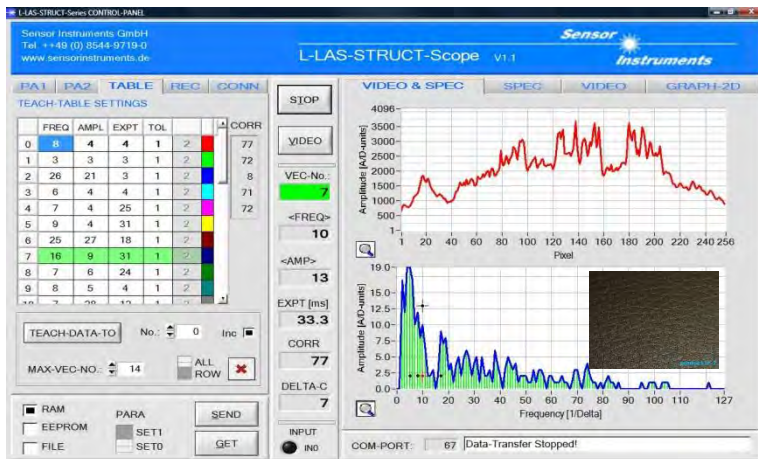
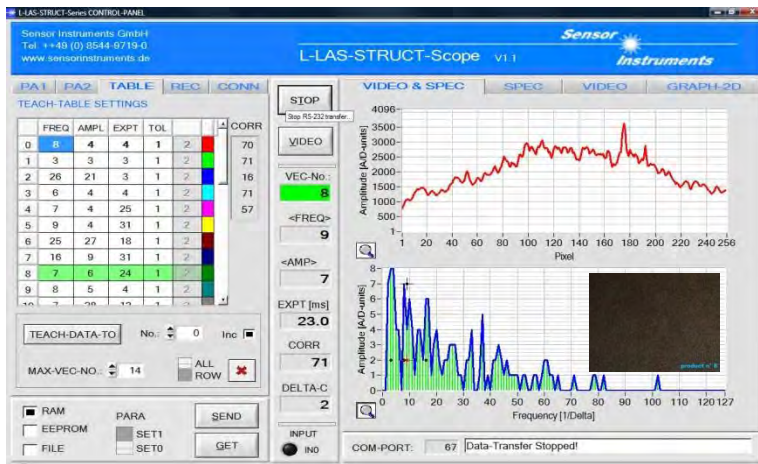
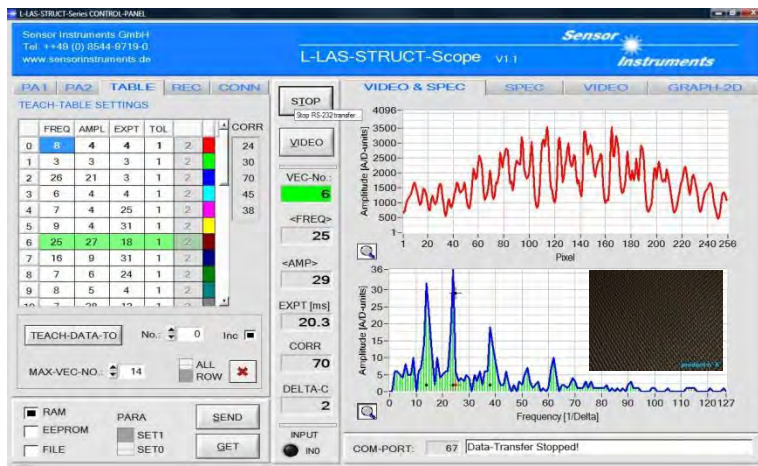
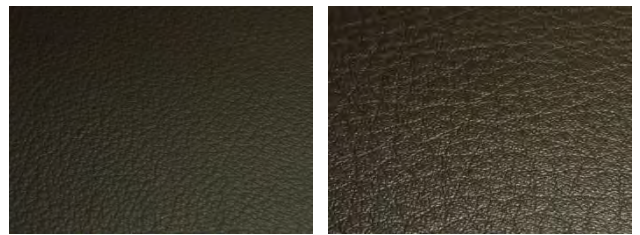
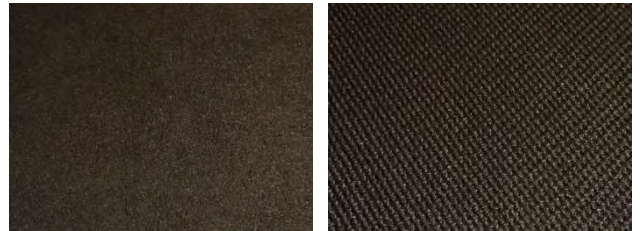




### 1. Structure differentiation of automotive interior components

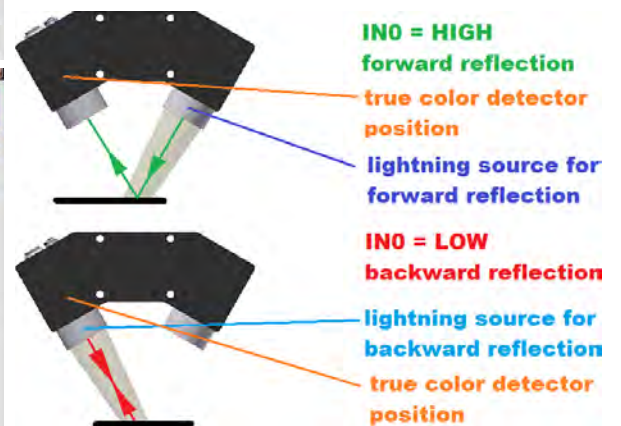
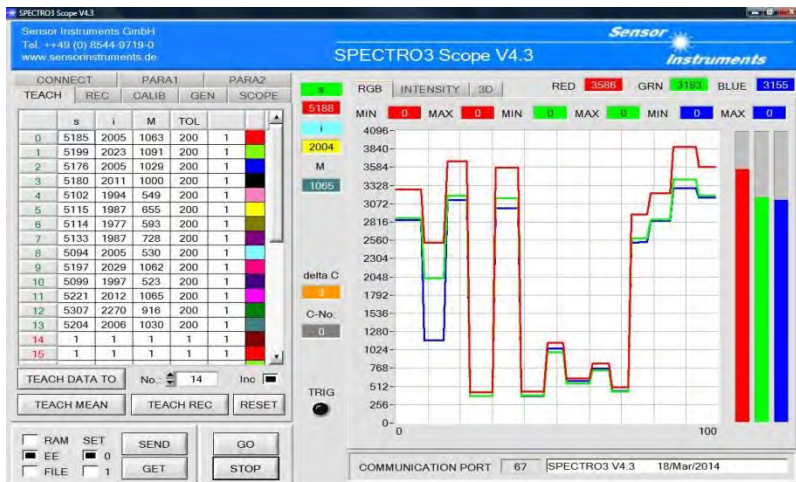
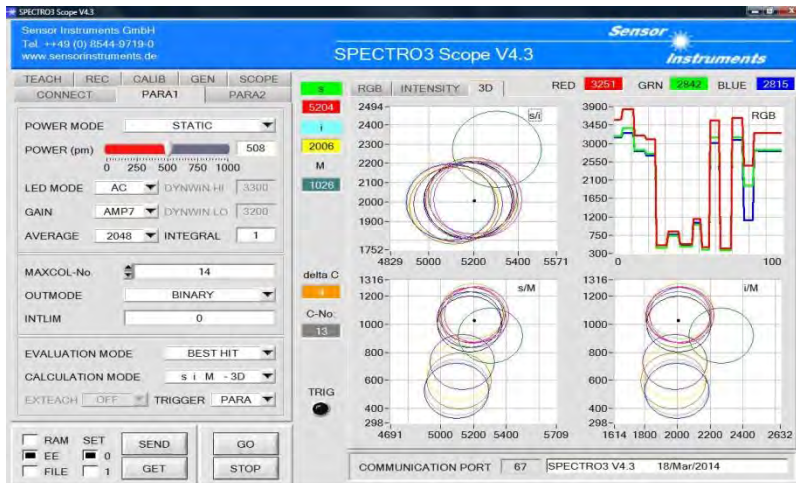
Interior components, especially fabrics, leather and alcantara should be structure differentiated.

For this purpose a color – structure sensor type **COAST-85-30°/30°** will be used. The distance of the sensor to the object is approximately 85mm and the detecting line at this distance is around 20mm. The fabrics can be proper differentiated from the leather as well as the alcantara as shown in the screen shots.



## 2. Color differentiation of automotive interior components

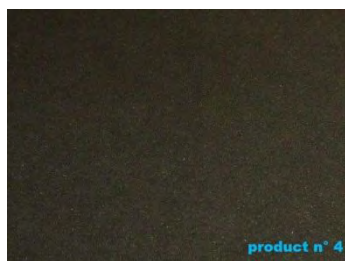
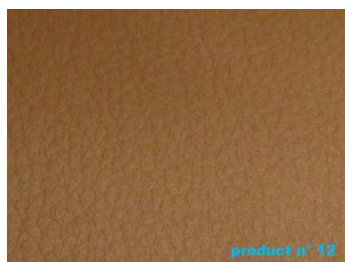
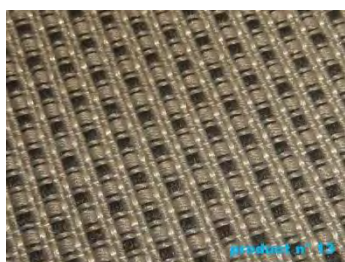
Interior components should be color differentiated. For this purpose a color – structure – sensor type **COAST-85-30°/30°** will be used. The distance from the sensor to the interior parts is approximately 85mm and the detecting area at this distance is around 20mm in diameter. The components can be proper color differentiated as shown in the screen shots.



### 3. Color and structure differentiation of automotive interior components

In practice, a proper color-gloss differentiation between most of the interior components can be realized, however, it has to be taken into account, that the difference in gloss as well as in color between the fabrics and the alcantara components is small, thus the structure difference should be used to differentiate even these products. A proper solution can be realized in combining the color-gloss and the structure results in using additionally to the color and structure hybrid sensor type COA-85-30°/30° simply a PLC.

<b>PARA SET0</b>			<b>PARA SET1</b>		
product-n°	COLOR	STRUCTURE	product-n°	COLOR	STRUCTURE
0	0	0 v 1 v 3	0	0	0
1	1	1 v 0 v 9 v 3	1	1	1 v 3
2	2	2	2	2 v 9	2
3	3 v 2	3 v 1 v 0 v 9	3	3 v 2	3 v 1 v 9
4	4	4	4	4	4
5	5	5	5	5	5
6	6 v 4	6	6	6 v 4	6
7	7	7 v 5	7	7	7
8	8	8 v 7 v 4	8	8 v 7 v 5 v 10	8 v 4
9	9	9 v 1 v 0 v 3	9	9	9 v 1 v 0
10	10	10 v 6	10	10	10
11	11	11 v 13	11	11	11
12	12	12 v 0 v 9 v 1 v 3	12	12	12 v 3 v 9
13	13	13 v 11	13	13	13 v 11



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