

Contact	
Company	
Department	
Street	
City	
ZIP Code	
Country	
Contact Person	
Phone Number	
E-Mail	

Application	
Project Name	
Application Description Packaging machine, printing machine, assembly line, coating, painting	
Measuring task	<input type="checkbox"/> Color test (<i>check color(s) to comply with a tolerance</i>) <input type="checkbox"/> Color classification (<i>sorting, identifying, counting, ...</i>) <input type="checkbox"/> Monitoring and recording color values <input type="checkbox"/> Others:
Minimum color differences are to be detected in your opinion	<input type="checkbox"/> only perceptible with closer inspection <input type="checkbox"/> readily apparent, it is almost the same color <input type="checkbox"/> different colors
Recognizable object feature	<input type="checkbox"/> Color <input type="checkbox"/> Gloss <input type="checkbox"/> Structure <input type="checkbox"/> Presence of parts <input type="checkbox"/> Luminance or Light Color <input type="checkbox"/> Color Crossover <input type="checkbox"/> Others:
Numbers of colors to be distinguished	<input type="checkbox"/> 1 <input type="checkbox"/> 2-15 <input type="checkbox"/> 16-350 <input type="checkbox"/> Others:
Sensor connection Sensor parameter	<input type="checkbox"/> PC <input type="checkbox"/> PLC <input type="checkbox"/> Direct (Actuator) <input type="checkbox"/> PC <input type="checkbox"/> PLC <input type="checkbox"/> Sensor keys
Project information	<input type="checkbox"/> New Installation <input type="checkbox"/> Replacement of existent Sensors Type: <input type="checkbox"/> Others:
Purchase of color sensor is planned in the next	<input type="checkbox"/> 1-3 <input type="checkbox"/> 4-6 <input type="checkbox"/> 6-12 <input type="checkbox"/> >12 months



Measurement Object	
Description	
Material Metal, Textile, Paper, rubber, wood, LED, etc.	<input type="checkbox"/> self shining <input type="checkbox"/> non self shining Description:
Geometry	<input type="checkbox"/> Single object <input type="checkbox"/> Color mark <input type="checkbox"/> Continuous process (e.g. moving strip or moving tube) Dimensions of Object / Mark: Length: min: [mm] max: [mm] Width: min: [mm] max: [mm]
Surface	<input type="checkbox"/> moist <input type="checkbox"/> glossy <input type="checkbox"/> matt finished <input type="checkbox"/> metallic <input type="checkbox"/> transparent <input type="checkbox"/> coated with: <input type="checkbox"/> Other surface:
Movement during Measurement	<input type="checkbox"/> not moving <input type="checkbox"/> moving, speed: [m/s]
Object temperature	min: [°C] max: [°C]

Measuring Conditions	
Measuring location Conveyor, hand test, in liquids	
Guiding of Measuring Object	<input type="checkbox"/> no guiding <input type="checkbox"/> Roller <input type="checkbox"/> Conveyer <input type="checkbox"/> Side walls <input type="checkbox"/> manual <input type="checkbox"/> Others:
Positioning of the Measuring Head	<input type="checkbox"/> manual <input type="checkbox"/> fix built-in <input type="checkbox"/> Measuring head <u>over</u> measuring object <input type="checkbox"/> Measuring head <u>beside</u> measuring object <input type="checkbox"/> Measuring head <u>under</u> measuring object <input type="checkbox"/> Others:
Required Measurement Geometry	Spot-Size-Ø: min: [mm] max: [mm] Measuring distance: min: [mm] max: [mm]
Achievable Positioning Accuracy	Of Measuring Distance: ± [mm] Of Measuring Spot Position: ± [mm] <input type="checkbox"/> External trigger?
Required Measurement Frequency	[Hz]
Measuring Signal Reception	<input type="checkbox"/> Fixed optic <input type="checkbox"/> Fiber cable If required, length of the Fiber cable: <input type="checkbox"/> 0,6 m <input type="checkbox"/> 1,2 m <input type="checkbox"/> 2,4 m <input type="checkbox"/> Other: [m]



Ambient Conditions	
Ambient light	<input type="checkbox"/> Sun light <input type="checkbox"/> Artificial light <input type="checkbox"/> Halogen <input type="checkbox"/> Neon / energy-efficient lamp <input type="checkbox"/> Others: <input type="checkbox"/> power of ambient light source: [Watt] <input type="checkbox"/> Distance of light source to the object: [m] falls bekannt Beleuchtungsstärke: [kLux]
Other Ambience Conditions	Ambience temperature: min: [°C] max: [°C] <input type="checkbox"/> moist <input type="checkbox"/> dust <input type="checkbox"/> steam <input type="checkbox"/> fog <input type="checkbox"/> Area exposed to explosion hazards <input type="checkbox"/> Others:

Required Interfaces	
Switching Outputs (24V / 100 mA)	<input type="checkbox"/> non <input type="checkbox"/> 1-4 <input type="checkbox"/> 5-12 <i>(Hint: Binary coding is possible)</i>
Serial Interfaces (combinations are possible)	<input type="checkbox"/> USB <input type="checkbox"/> RS232 <input type="checkbox"/> USB-RS232-Converter is acceptable
Fieldbus Interfaces (Only one possible per unit)	<input type="checkbox"/> Profibus <input type="checkbox"/> Profinet <input type="checkbox"/> Fast Ethernet <input type="checkbox"/> Others:

Remarks

[Send Questionnaire](#)

