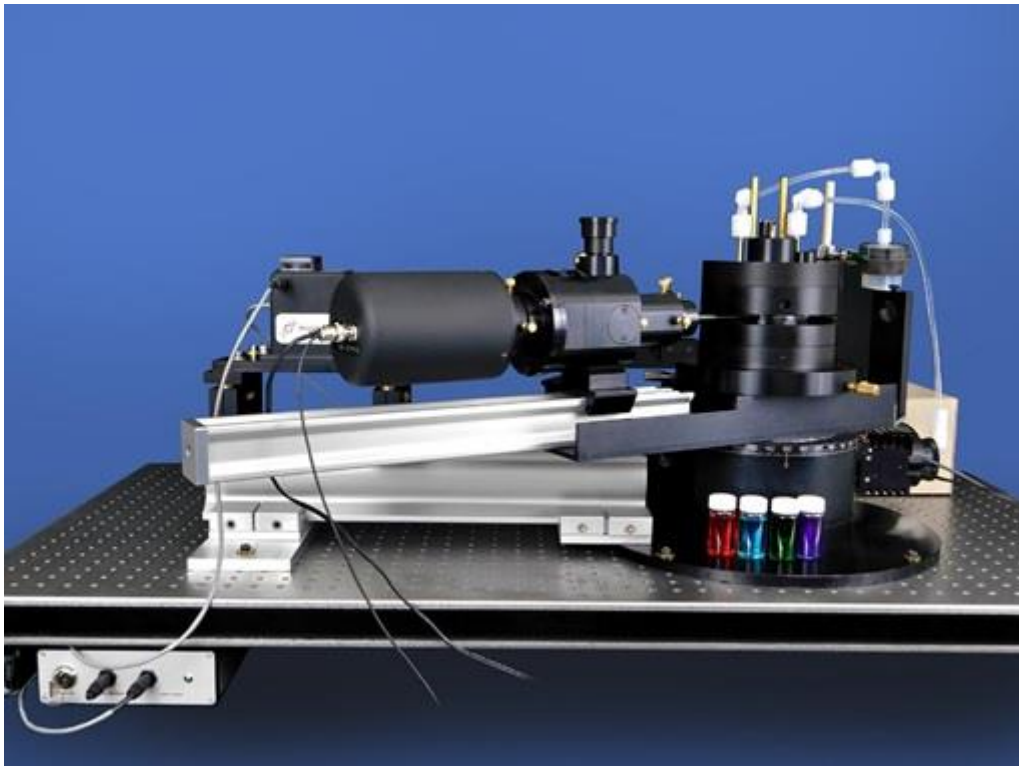


## Flexible Format Light Scattering System

### The BI-200SM goniometer system

from TESTA Analytical Solutions e.K. is a flexible format research grade instrument that may be adapted to deliver precise results from even the most challenging light scattering measurements.



### The BI-200SM goniometer system offers

unbeatable possibilities to researchers, who desire or require modification of the instrument to fit their special needs. The ease of customization is inherent in the design of the BI-200SM, as the most demanding and challenging research tasks were in focus during the creation of this unique system.

### The most common expansion

of the standard BI-200SM goniometer is incorporation of multiple lasers operating at different wavelengths. The multiple laser upgrade kit allows easy set-up up of two or three lasers sharing the same zero alignment on a BI-200SM goniometer. Each installed laser can be selected simply by flipping a mirror assembly. This kit hugely extends the range of applications that can be investigated using a BI-200SM goniometer system.



### **The open architecture design**

of the BI-200SM goniometer system enables experimental set-ups not possible with an enclosed light scattering system. Through integration of specialist third party components and instruments the BI-200SM has been used to undertake ground-breaking research in areas including the behavior of liquid crystals in presence of an electric field, characterization of cross linked sulphonated high-performance polymers and microrheological investigation of samples under different kinds of influence fields.

### **Based on a special turntable**

with precision ball bearings and stepping motor, the BI-200SM's modular, automated design and quality construction guarantee precise measurements due to the wobble-free movement of the detector. As you would expect from a research grade system the BI-200SM can measure light scattering over a wide angular range (8° to 155° with 25 mm cells) and offers fine adjustment of measurement angles to 0.01° directly using a large, fine-control knob or PC-driven Motor control. Fine-screw vertical adjustment makes center of rotation measurement easier when aligning cells. Precise repeatable data is ensured by automated heating and cooling of the sample cell using a standard external recirculating system.

### **For further information**

on the BI-200SM goniometer system please visit <https://www.testa-analytical.com/research-light-scattering.html> or contact Testa Analytical Solutions on +49-30-864-24076 / [info@testa-analytical.com](mailto:info@testa-analytical.com).

### **Testa Analytical Solutions e.K.**

is a company dedicated to supplying the best possible instrumental solutions for characterization of polymers, particles, nanomaterials and proteins. Drawing upon over 30 years' experience of technologies serving these markets, the staff at Testa Analytical are happy to share their knowledge with researchers worldwide to help provide them with a working solution for even the most demanding applications.

### **Worldwide HQ**

#### **Testa Analytical Solutions e.K.**

Sophienstraße 5  
12203 Berlin  
Germany

Tel: +49-30-864-24076  
Email: [info@testa-analytical.com](mailto:info@testa-analytical.com)  
Web [www.testa-analytical.com](http://www.testa-analytical.com)