

*DESERVES THE  
STAGE FOR  
ANALYSIS.*

**Experience you can build on**

Anton Paar builds on more than 50 years of experience in designing and manufacturing high-precision sample stages for SAXS and XRD applications.

**Solutions you can customize**

Anton Paar offers the world's widest range of off-the-shelf sample stages for countless applications. We love coming up with new solutions – so get in touch, name your ideas and we will meet your needs!

**Accuracy you can count on**

Trust in the precise temperature control of SAXSpace's temperature-controlled stages, keeping your sample exactly at the temperature desired. Rely on accurate sample positioning for your GI-SAXS experiments.

**Place every sample on the stage it deserves – and count on a brilliant performance.**



*EVERY  
SAMPLE  
IS A STAR*

*YOUR SAMPLE  
BEST POSSIBLE  
NANOSTRUCTURE*

Your nanostructured sample is the star – the central point of interest. It has to be handled with care and placed in the best possible environment for successful SAXS analysis. Even the best X-ray sources and detectors cannot compensate for low-quality sample stages and holders – a perfectly controlled environment is essential!

Anton Paar's SAXSpace nanostructure analyzer comes with the world's widest range of high-quality sample stages and holders, a range constantly expanded by new customized solutions.

Anton Paar offers the sample environment everyone wants. So let us set the stage that will make your sample shine ...



**Anton Paar**® GmbH  
Anton-Paar-Str. 20, A-8054 Graz  
Austria - Europe  
Tel.: +43 (0)316 257-0  
Fax: +43 (0)316 257-257  
E-mail: [info@anton-paar.com](mailto:info@anton-paar.com)  
Web: [www.anton-paar.com](http://www.anton-paar.com)

**Setting the stage for nanostructure analysis**



Choose from a variety of sample holders:

- μ-Cell** – for lowest sample volumes (> 8 μL)
- FlowCell** – for automated sampling
- PasteCell** – for viscous and powder samples
- RotorCell** – for averaging microcrystalline domains
- TubeCell** – for online experiments (disposable fluid pathway)
- TCS Capillary Holder** – for disposable capillaries



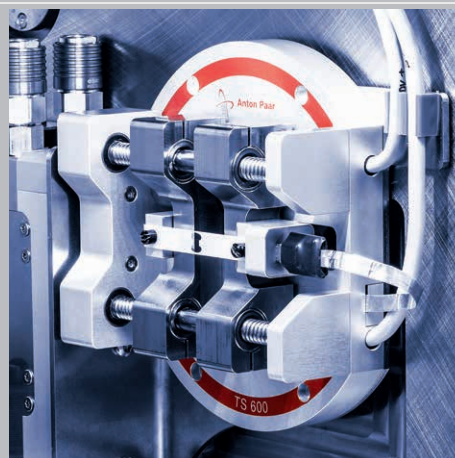
#### Humidity Stage Specifications

**Humid atmosphere:** 5 % to 90 % at 10 °C to 60 °C  
**Vacuum/air/inert gas:** 10 °C to 110 °C



#### Tensile Stage Specifications

**Tensile force:** 0.01 N to 600 N  
**Temperature:** on request



#### Temperature-controlled stages

Use the **TCStage sample stages** for temperature-controlled measurements of solids and liquids using the dedicated SAXSpace sample holders.

Perform SWAXS (small-/wide-angle X-ray scattering) experiments with precise temperature control over a wide range from -150 °C to +500 °C.

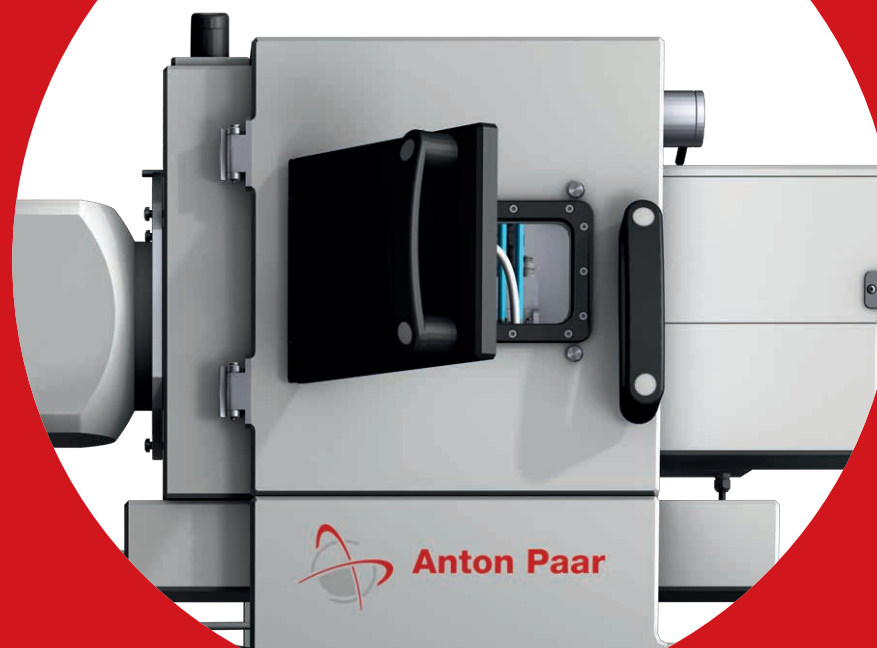
#### Humidity Stage

Study the influence of relative humidity (RH) and temperature on the nanostructure of your powder or film sample.

#### Tensile Stage

Perform SWAXS studies of your nanostructured fiber and foil samples under well-defined mechanical load.

## SAXSpace Nanostructure Analyzer



#### ASX autosamplers for liquids

Increase your daily sample throughput by using the ASX autosamplers for SAXSpace.

Run automated measurements of up to 192 liquid samples using standard well plates. Be sure that your sensitive samples are well protected by the autosampler's cooling function.

#### VarioStage

Run automated measurements of multiple solid samples and capillaries using a single stage. Rely on high-precision sample positioning.

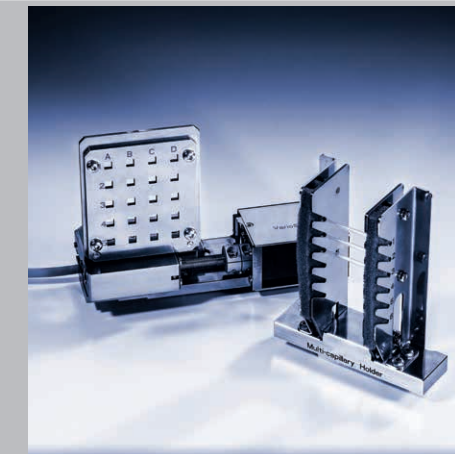
#### GI-SAXS Stage

Investigate nanostructured surfaces and thin-film samples using grazing-incidence (GI) small-angle X-ray scattering - at elevated temperatures and under controlled atmosphere.



#### ASX Autosampler Specifications

**Sample capacity:** 192 samples  
**Cooling function:** down to 4 °C  
 Used in combination with FlowCell and TCStage



#### VarioStage Specifications

**Sample capacity:** 20 solid samples, 6 capillaries  
**Positioning precision:** 1 μm



#### GI-SAXS Stage Specifications

**Tilting precision:** 0.001°  
**Temperature:** up to 500 °C