

# Next-Level Sample Handling for Every XRD Challenge

**XRDynamic Autosampler**

The XRDynamic Autosampler enhances Anton Paar's XRD solutions with high sample capacity, seamless integration, and flexible performance. Combined with XRDynamic 500, it enables efficient, automated measurements for all sample types with consistently reliable results.

**FIND OUT MORE**



[www.anton-paar.com/  
apb-xrd-autosampler](http://www.anton-paar.com/apb-xrd-autosampler)



### Highest sample capacity

The XRDynamic Autosampler sets the benchmark with the ability to handle up to 105 samples using industry-standard sample holders. This unmatched capacity enables longer walkaway times and significantly boosts lab throughput and efficiency:

- Supports 105 standard sample holders for transmission and/or reflection measurements
- Accommodates most sample types (e.g., powders, solids, fibers, thin films)
- Enables extended, unattended operation

### Outstanding performance and flexibility

The XRDynamic Autosampler facilitates operation and ensures precise results across various sample types and applications, thanks to automatic geometry switching and height alignment – saving hours of manual instrument adaptations:

- Supports domed holders for air-sensitive samples
- Delivers consistent, high-quality data

### Seamless integration

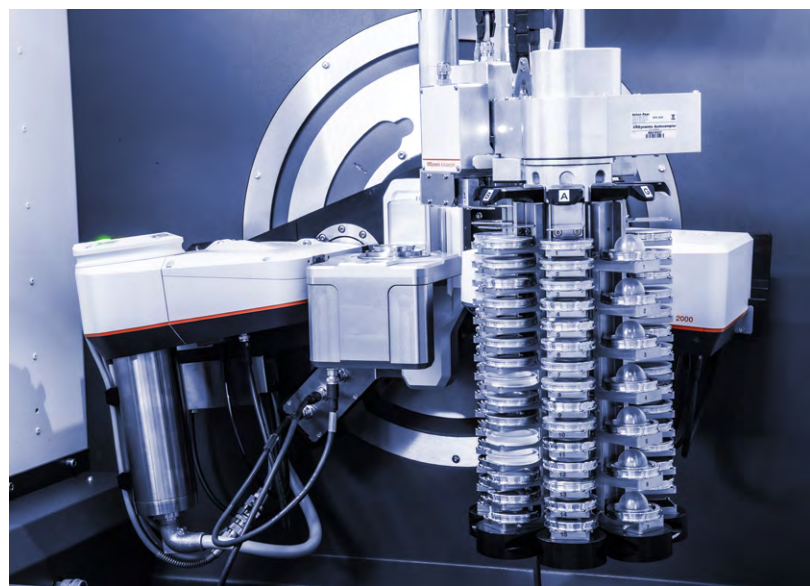
Customers benefit from error minimization and maximum efficiency. Fully integrated with XRDdrive software, the Autosampler and its magazines are instantly recognized upon connection. Combined with the automation level of XRDynamic 500, it ensures:

- Plug-and-play setup
- Reduced user intervention

### Scalable and non-intrusive

Easily mounted on any XRDynamic 500 instrument, the Autosampler in no way interferes with other measurements, stages, or non-ambient attachments when not in use, and is both removable and expandable:

- No interference with other measurements
- Scales from 1 to 7 magazines
- Fast, precise installation



XRDynamic Autosampler	
Sample types	Powders, solids, thin films, foils, fibers, air-sensitive samples
Sample capacity	Up to 105 samples
Magazines	Up to 7 magazines (1 standard magazine included)
Magazine types	- Magazine for standard sample holders (15 sample positions) - Magazine for domed sample holders (7 sample positions)
Sample holder compatibility	All 51.5 mm sample holders available for XRDynamic 500
Sample stage compatibility	Fixed stage, sample spinner (all other stages are not impaired when XRDynamic Autosampler is installed)
Measuring angle range	-95° 2 $\theta$ to 162.5° 2 $\theta$
Weight	14.5 kg
Accessories	- Autosampler stand (included) - Magazine stand
Software	Full integration into XRDdrive
Instrument compatibility	XRDynamic 500 (retrofittable)