

## Class Size

Because our trainings are interactive and learner-oriented, we limit class size to a minimum of three and a maximum of six. Early enrollment is encouraged as registrations are accepted on a first-come/first-serve basis. We reserve the right to cancel a course if there are less than three registrants four weeks prior to the start date.

## Attendance Fee\*\*

The course fee is \$3,500 USD per person.

## Bruker Training Facility

Bruker AXS Inc  
5465 East Cheryl Pkwy  
Madison, WI 53711-5373  
USA  
1 (800) 234- XRAY

\*To get the most out of the class, it is highly recommended that you fly into Madison, Wisconsin (MSN) on Sunday evening and fly out Friday afternoon.

\*\* Each participant will be provided with class materials, computer and lunch.

### For Course Questions Contact:

Larry Arias, Project Manager, XRF

[Larry.Arias@bruker.com](mailto:Larry.Arias@bruker.com)

### For Registration & Other

### Questions:

Caitlin Heitman, Marketing Specialist

[training.baxs.us@bruker.com](mailto:training.baxs.us@bruker.com)

# S8 TIGER

## Maintenance and Service Training Class

**P/N 862-838100**

**Bruker AXS Inc**

**Madison, WI Training Center**

### About the course

The intent of this course is to provide knowledge about the alignment, maintenance and troubleshooting of the S8 TIGER. Step by step, you will receive the know-how to maintain the system in its optimum condition. You will become able to identify malfunctions and treat them. You will then be able to plan service activities more effectively. Many attendees report that they have benefitted from the performance of troubleshooting and diagnostics during class, as well as addressing questions in their own work.

**Please note that this course is intended for those who are using the current S8 system. Training on S4 systems is available at off-site customer locations at standard service rates.**

### Monday, 9am - 5pm

- S8 Tools
- MeasureControl and Service Support Mode
- System overview
- Water system
- Deionized water cartridge replacement
- X-ray tube cleaning and replacement

### Tuesday, 9am - 5pm

- Vacuum seal replacement
- Cleaning of vacuum seal, o-rings and sample chamber
- Physical location of all electronic assemblies
- Goniometer limit and reference switches
- Checking and changing the drivers of the AC/DC motors
- Checking the sliders, turn unit and crystal changer

### Wednesday, 9am - 5pm

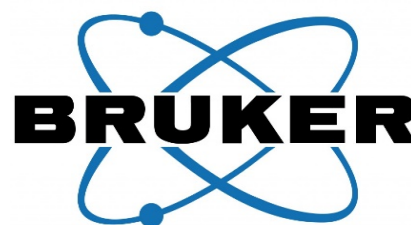
- Checking the vacuum mode
- Checking the valves
- checking and changing the driver of the valve
- Safety circuit
- Adjusting and checking the amplification of the measuring electronics

### Thursday, 9am - 5pm

- Standard noise level of the SC and SPC
- Install sample magazine and sample cover and all panels
- Adjusting the same magazine X, Y and Z axes
- Flow counter wire and window replacement
- Alignment

### Friday, 9am - 12pm

- Checking alignment results, spectrometer alignment log, summary 1 and 2 files.
- Review
- Questions & answer session



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