

„Until now there has been very limited capacity for single crystal structure analysis (SC-XRD) available in our country. In the past we were required to collect data on a four-circle diffractometer run by a collaborator at a German university. Although this collaboration worked very well, we are delighted to have our own instrument available in our laboratory. It is so convenient having access to a machine whenever we need one. Our SMART X2S was installed in Sofia very recently. Although the unpacking and installation of the systems has been carried out by a Bruker representative we could easily have accomplished it ourselves – it’s easier to install than a standard desktop PC.

From the first day, we have been using the instrument permanently. In a little over ten weeks we managed to solve more than 70 structures; crystallographic data quality is excellent. We are happy with both the data quantity and data quality. To our surprise we have even managed to get nice data from a crystal of an Ag(I)-complex less than 100 microns. In most of the cases the automated software of the SMART X2S processed, solved, and refined the structure automatically. Some challenging cases were handled using the APEX2 software suite for which we also received excellent support from the Bruker AXS hotline.”

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SMART X2S

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