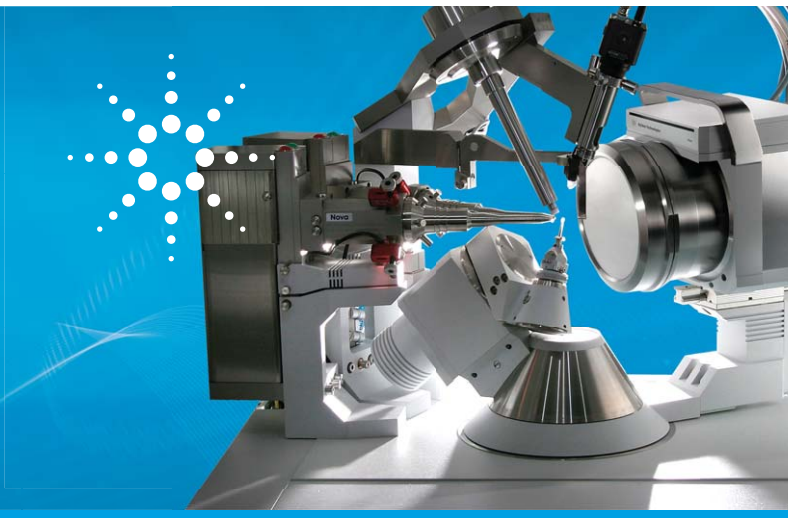
DUAL SOURCE
PROVEN SUCCESS

The Measure of Confidence



Agilent Gemini and SuperNova Systems

Agilent Technologies has installed well over 100 dual source X-ray diffractometers across the globe. With systems in China, Australasia, Southeast Asia, the Middle East, Europe, North and South America, more and more researchers throughout the world have been discovering the benefits of switching between molybdenum and copper X-ray sources.

The Gemini system - a dual source, sealed tube X-ray diffractometer for small molecule crystallography - was first developed in 2005. Utilizing the single source Xcalibur goniometer platform, the Gemini featured co-mounted copper and molybdenum Enhance fine-focus X-ray sources, with fully-automated, software-controlled wavelength switching in CrysAlis^{Pro}.

Professor Jozef Kožíšek bought the first Gemini instrument for the Slovak University of Technology in Bratislava, Slovakia:

"It was a good choice of instrument. We are a national laboratory running a crystallographic service as well as regularly conducting charge density experiments. Our organic chemists also frequently use the Cu source for absolute structure determination, and so we use both Mo and Cu sources routinely. Using the Gemini we are not limited by planning when to change X-ray tube, as the wavelength can be switched extremely quickly in the software."

To find out more about Agilent's X-ray diffraction systems, or to request a quote or brochure, go to:

www.agilent.com/chem/dualsource

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The success of the Gemini was soon followed by the launch of the Gemini Ultra, which incorporated the Enhance Ultra copper source with multi-layer optics. Due to its inherent reliability and usefulness in studying smaller, more weakly diffracting crystals, the Gemini Ultra system quickly became the world's most popular dual source diffractometer.

Our latest generation and most popular dual source system, the SuperNova, brings together Agilent's twin high brilliance micro-focus X-ray sources, the Mova (Mo) and Nova (Cu). This combination makes the SuperNova perfect as a multi-disciplinary instrument in both small molecule and protein environments.

The superior brilliance these X-ray sources provide gives great data from the smallest and most challenging of samples, and allows for rapid high redundancy data collections in both light-atom absolute configuration and charge density experiments.

Together the Gemini, Gemini Ultra and dual source SuperNova systems represent Agilent's continued innovation and leadership in dual source diffractometer design.

Find out more about the new and improved SuperNova – with our brightest ever Nova source – at www.agilent.com/chem/brighter

www.agilent.com/chem/xrd

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