

## New innovations in the Bruker D8 DISCOVER Plus diffractometer

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The D8 DISCOVER Plus is the flagship of X-ray diffraction solutions. It combines the unrivalled accuracy of the ATLAS goniometer with the broadest choice of top-performance X-ray sources while staying fully compatible with a wide variety of components, optics and detectors including the PATHFINDER PLUS secondary multiple beam-path optic, the non-coplanar arm (NCA) for in-plane grazing incidence diffraction (IP-GID) measurements, and the Compact UMC (universal motion concept) plus stages.

In this presentation we describe these new hardware configurations that significantly increase ease of use, application versatility, and improve data quality. The working principle and functionality of these new components will be discussed along with data highlighting improvements over previous capability.

Application examples will be presented.