

Phenom Sample Holders

Optimized accessories for sample loading & system automation

Motorized Tilt Rotation Sample Holder

The Motorized Tilt & Rotation Sample Holder allows analysis of the sample from all visible sides and enables a unique 3D image of your sample. This sample holder is a so-called smart sample holder that does

not have any cables attached. The Motorized Tilt & Rotation Sample holder can be operated in the navigation camera and SEM position, with a tilting range of -10° to $+45^{\circ}$ and endless 360° rotation.



Temperature Controlled Sample Holder

The Temperature Controlled Sample Holder enables the study of vacuum-sensitive and vulnerable samples such as biological, food or organic coatings. This active sample holder is able to control the temperature of

the sample and therefore influence the humidity around the sample. This minimizes the effect of the electron beam and vacuum damage of the samples.



Standard Sample Holder

The ultimate high resolution sample holder, standardly shipped with every Phenom system. Optimized for best imaging results and can accommodate 3D type samples mounted on standard sample pin stubs.



Charge Reduction

Sample Holder

Is designed to reduce sample charging. This sample holder eliminates extra sample preparation of non conductive samples. Imaging samples like paper, polymers, organic materials, ceramics, glass,

and coatings becomes fast and trouble free.



Micro Tool and Tilt-Rotation

Sample Holder

Imaging long axial shaped samples without sample modification is possible using the Micro Tool and Tilt-Rotation Sample Holder. Imaging objects such as drill bits, milling tools and injection needles is fast and

easy, whereas imaging coatings and cutting angles is possible by rotating and tilting the region of interest without unloading the sample from the holder.



Metallurgical Sample Holder

The base of this holder is equal to the Standard Sample Holder, except that this holder is designed to support resin mounted samples (schlieffen). For metallurgy and working with inserts this holder is the preferred solution. For this

sample holder there are two inserts* available to enable fast sample preparation.



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