
Phenom™ Accessories

optimize your system performance



Schematic Overview of Specifications

	Phenom G2 pure	Phenom G2 pro
Imaging Modes		
<ul style="list-style-type: none"> • Light Optical Magification • Electron Optical Magnification Range • Digital zoom 	Fixed 20x 70 - 17,000x Max. 12x	20 - 120x 80 - 45,000x Max. 12x
Digital Image Detection		
<ul style="list-style-type: none"> • Light Optical Navigation Camera • Electron Optical, high sensitivity backscatter electron detector (compositional and topographical modes) 	Black & White ●	Color ●
Resolution		
<ul style="list-style-type: none"> • 25 nanometer • 30 nanometer • Min. field of view 16 µm = 17,000x • Min. field of view 6 µm = 45,000x • Pixel resolution in 2048 x 2048 image 7.8 nanometer • Pixel resolution in 2048 x 2048 image 2.9 nanometer 	- ● ● - ● -	● - - ● - ●
Image Format		
<ul style="list-style-type: none"> • JPEG • TIFF • BMP 	● ● ●	● ● ●
Image Resolution Options		
<ul style="list-style-type: none"> • 456 x 456 pixels • 684 x 684 pixels • 1024 x 1024 pixels • 2048 x 2048 pixels 	● ● ● ●	● ● ● ●
Typical Lifetime Source		
<ul style="list-style-type: none"> • 1,000 hours • 1,500 hours 	● -	- ●
Data Storage		
<ul style="list-style-type: none"> • USB 2.0 Flash drive • Network 	● ●	● ●
Sample		
<ul style="list-style-type: none"> • Computer controlled motorized X and Y stages • Max. sample dimensions: 25mm (dia) x 30mm (h) 	● ●	● ●
Sample Loading Time		
<ul style="list-style-type: none"> • Light Optical < 5 s • Electron Optical < 30 s 	● ●	● ●
Screen		
<ul style="list-style-type: none"> • Touch screen • Mouse operated 	17" -	19" ●
ProSuite enabled		
	-	●
Active Sample Holders enabled		
	-	●
Phenom Remote Assistant		
	●	●
Service Maintenance Agreements		
1 year	○	○
2 year	○	○

- Not included ○ Optional ● Included



G2 pure



G2 pro

Optimized sample loading optimizing your output

	Phenom G2 pure	Phenom G2 pro
Standard Sample Holder Item number: PW-600-001 The ultimate high resolution 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 Item number: PW-600-002 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.	○	○
Metallurgical Sample Holder Item number: PW-610-001 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.	○	○
Metallurgical Charge Reduction Sample Holder Item number: PW-610-002 This sample holder eliminates extra sample preparation of non conductive resin mounted samples. This way imaging samples becomes fast and trouble free.	○	○
Micro Tool and Tilt-Rotation Sample Holder Item number: PW-630-001 Imaging long axial shaped samples without sample modification is now possible. Imaging objects such as drill bits, milling tools and injection needles is fast and easy using the Micro Tool and Tilt-Rotation Sample Holder. Imaging coatings and cutting angles is possible by rotating and tilting the region of interest without unloading the sample from the holder.	○	○
Insert X-view Item number: PW-620-001 Cross section imaging of coatings and multilayer samples becomes fast and easy with this metallurgical insert. Its smart split clamping mechanism eliminates the need for screws and tools to clamp the sample.	○	○
Micro-electronics insert Item number: PW-620-002 The micro-electronics insert is designed to image for semiconductor, micro-electronics or solar cells. Its unique clamping mechanism enables loading without adhesives or surface contact.	○	○
Peltier Sample Holder Item number: PW-630-002 For information on the Peltier Sample Holder go to www.phenom-world.com/peltier	-	○
Tilt & Rotation Sample Holder Item number: PW-630-003 For information on the Tilt & Rotation Sample Holder go to www.phenom-world.com/tilt-rotation	-	○

- Not included ○ Optional ● Included

For both the Phenom G2 pure and Phenom G2 pro a large variety of sample holders is available in order to extend the sample acceptance. These holders are designed for optimizing sample loading speed and guarantee the fastest time to image available in the market.



By choosing Phenom-World microscopes, you make a valuable environmental contribution by reducing energy used for imaging and analysis. Phenom-World Products are designed with respect for the environment.

