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College of William and Mary Applied Research Center Student Newsletter

New Addition to the Lab



The Phenom G2 pro is a high resolution desktop scanning electron microscope (SEM) combined with a light optical color camera that will enhance our current analysis capabilities. Advantages of the Phenom system include easy operation and simple sample preparation. A wide range of samples types, including metals, polymers and biologicals, can be viewed at magnifications between 20x to 45,000x. Samples up to 25 mm in diameter and 30 mm in height can be loaded in less than 30 seconds. The Phenom system includes a 17 inch flat panel touch screen monitor which is used to view, compare and measure sample images at a maximum 1024 x 1024 pixel resolution. Images can also be saved to a USB flash drive for future use. The Phenom is a very compact, quiet, and low maintenance addition to the lab.