

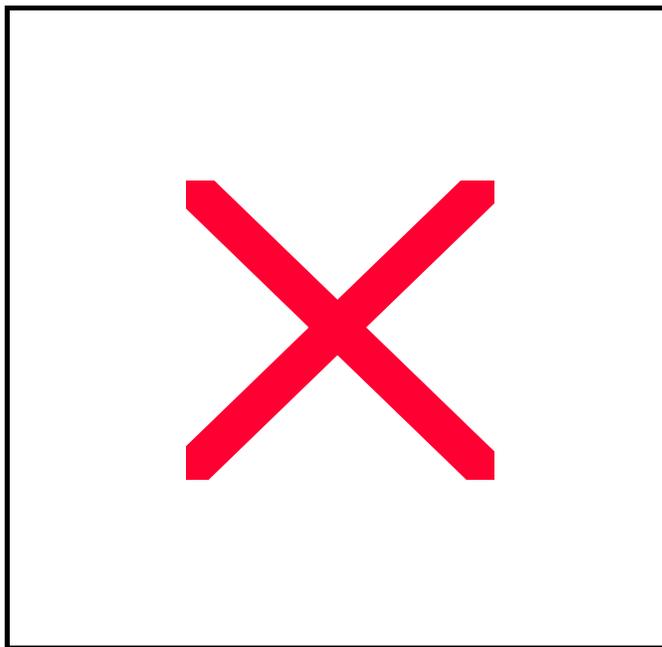
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### **PELCO easiGlow™ – New Glow Discharge cleaning system for TEM grids**

Ted Pella, Inc, introduces a new glow discharge system for cleaning and surface modification of TEM grids and support films. With increasingly demanding imaging applications, using clean or surface modified TEM grids and support films has become more important than ever. The new PELCO easiGlow™ has been designed as an affordable, quick and easy to operate glow discharge system for any TEM lab.

The PELCO easiGlow™ is a compact, standalone system which fits easily in a TEM lab. The practical chamber size with its newly designed UC glow discharge head and adjustable stage with glass slide holder allows for easy loading and fast turnaround times. The system is fully microprocessor controlled and includes an intelligent touch screen device for operation and display of parameters. The PELCO easiGlow™ supports both hydrophilic and hydrophobic treatment for either a negative or positive charge and includes two separately controlled gas inlets. The required vacuum level is set by an electronically controlled precision proportional valve, eliminating manual setting with a needle valve. A soft venting procedure ensures that the TEM grids are not disturbed when the system is vented.

For the most common glow discharge application, making TEM supports films hydrophilic using air, the PELCO easiGlow™ includes a automated and quick cycle with fully selectable parameters. This function is widely used for TEM preparation using aqueous solutions and for Cryo-TEM applications. The microprocessor controlled systems also offers full manual control for all parameters and an advanced protocol programming feature for custom glow discharge treatment applications. Protocols can be stored and edited to facilitate consistent glow discharge treatments. The PELCO easiGlow™ combines both true ease of operation for simple cleaning procedures and sophisticated control for advanced custom glow discharge applications. For those labs which needs both hydrophilic and hydrophobic surface treatment a dual glow discharge system is available to avoid cross contamination of the glow discharge chambers.



**Image caption:** PELCO easiGlow system with pumping system attached

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