



## LEAK TESTING STATION FOR BATTERY TERMINAL POSTS



The lead-to-plastic interfaces of terminal posts for lead-acid batteries are helium mass spectrometer leak tested in this system. The machine has a PC-controlled test cycle and is robotically loaded and unloaded, which allowed integration into a fully-automated production environment. The system is capable of detecting a leak of  $1 \times 10^{-5}$  atm-cc/sec of helium in a 45-second test cycle, including 10 seconds for load/unload. Sized to meet the plant production rate, eight parts are tested during each cycle in the system configuration shown.