

## UMF Equipment – Table Top Scanning Electron Microscope

### FEI Phenom SEM

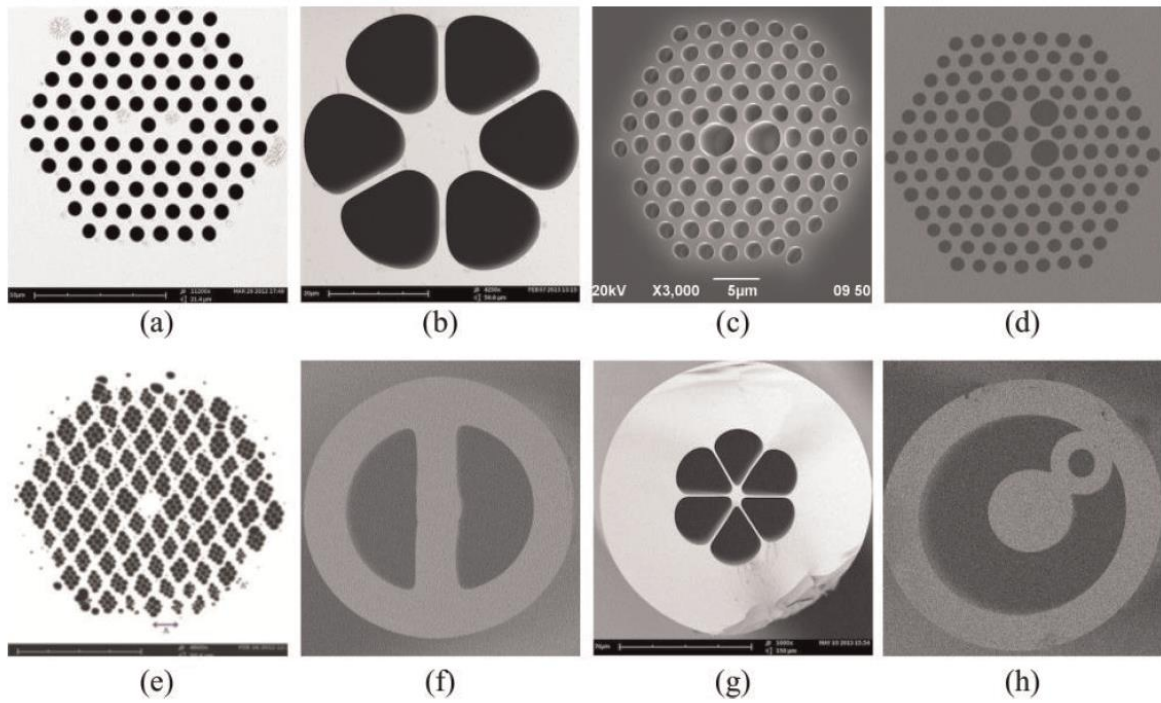
The Phenom SEM is a desktop scanning electron microscope (SEM) which combines the high magnification of electron microscopy with the ease of use of optical microscopy to improve performance in a desktop instrument. The Phenom, a desktop SEM provides magnifications up to 24,000x, is easy to use as the typical laboratory-grade microscope.

- Features:
- Optical mode available
  - Electron mode: provides magnification up to 24,000x
  - Simple sample preparation process
  - Short sample loading time
  - Easy to operate

Please refer to supplier information page: <https://www.phenom-world.com/> for further details of the system.  
For any inquiry, please contact Pendy Ho ([pendy.ho@polyu.edu.hk](mailto:pendy.ho@polyu.edu.hk)).



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**Figure 2.** Scanning electronic microscopic photos of the cross section of the fabricated MOFs by using various stacking strategies. The examples shown are (a) twin-core photonic crystal fiber (TC-PCF) [12], (b) six-hole suspended-core fiber (SH-SCF), (c) high birefringence PCF (HB-PCF), (d) two-core HB-PCF, (e) superlattice PCF [27], (f) two semicircle hole fiber, (g) high birefringence suspended-core fiber (HB-SCF) [13], and (h) single-ring suspended fiber [30].