

Introduction of Scanning Electron Microscope

SU3500



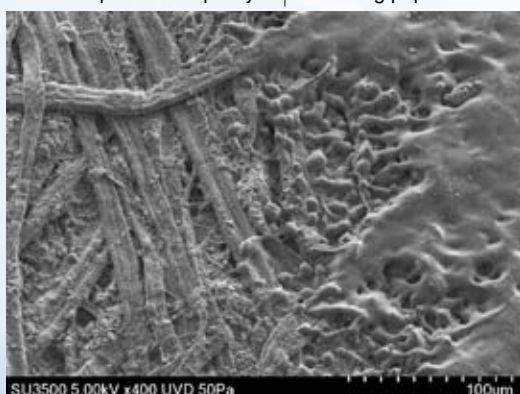
General view of SU3500 SEM

Features of the SU3500

- New ultra Variable-Pressure Detector(UVD) is a Highly sensitive detector for variable pressure, which is optimized for imaging surface and Cathodoluminescence(CL).
- The Live Stereo SEM function allows observation of Live 3D image without the need for sample tilt. The Live Stereo SEM image display at TV Scan mode.
- The newly designed vacuum system is available to observe with wider range of vacuum from 6 to 650Pa.

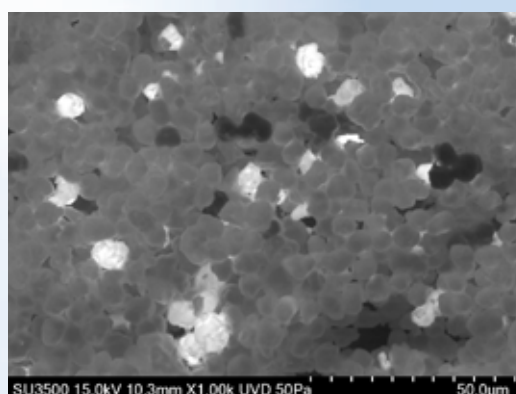
Observation using the UVD function

Paper of fine quality \longleftrightarrow Printing paper



Printed area on paper

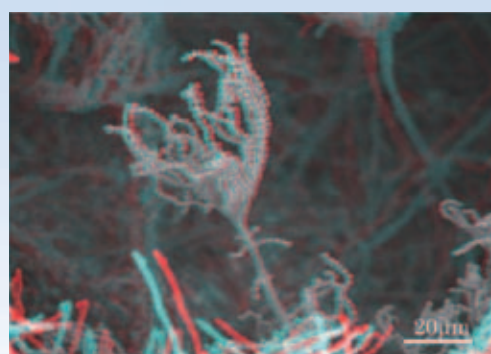
Vacc : 5 kV, Mag : 400x
Variable pressure : 50 Pa, Signal : UVD image



Phosphors

Vacc : 15 kV, Mag : 1,000x

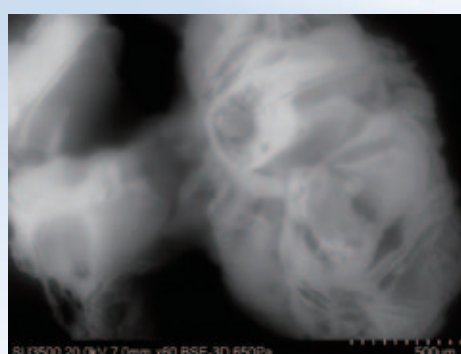
Live Stereo viewing



Fungus molded on the bread

Vacc : 2 kV, Mag : 850x

Observation under lower vacuum of 650 Pa



Swollen super absorbent polymers (cooled at -4 deg.)

Vacc : 20 kV, Mag : 60x, Variable pressure : 650 Pa, Signal : BSE image



dry condition