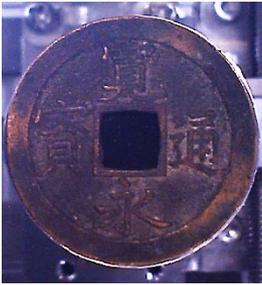


## Multi Zigzag function(option)

TM4000 II can be performed stitching images and screening work in wide range imaging by Multi Zigzag

Camera Navigation image

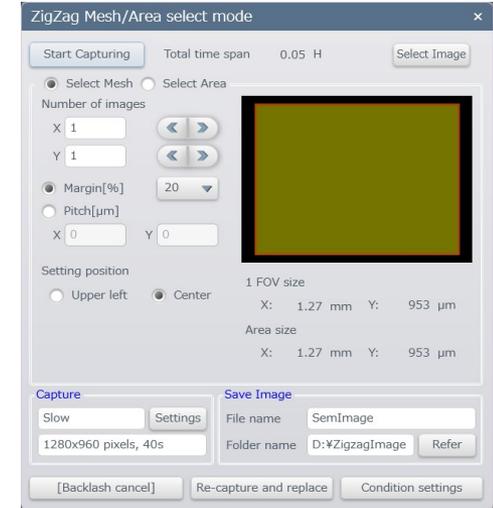


Mesh Parameter mode/Area Select Mode

**MP Mode:** Set the number of image and magnification and select the starting or center position on the Multi Zigzag operation screen, and then automatically define the capturing area

**AS Mode:** Record the starting point and end point of the capturing area, and then automatically define the entire capturing area.

Zigzag Mesh/Area select mode



Stitched image

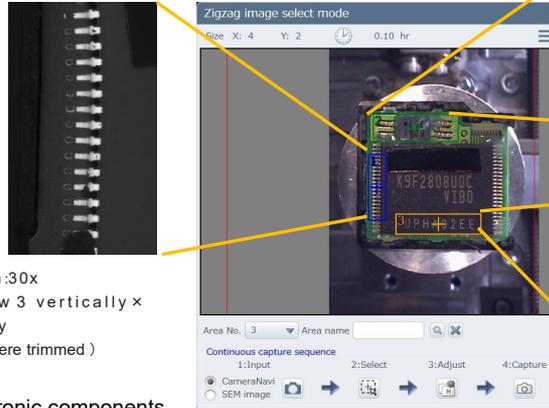


Image Select Mode

Select the low magnification multiple capture areas from low magnification SEM image or the Camera navigation image (option) and define the capturing are.

Acceleration voltage : 15 kV  
Image signal :SE  
Magnification :30x  
Field of view 10 vertically × 12 horizontally  
( some parts were trimmed )  
Sample :Coin

Image select mode

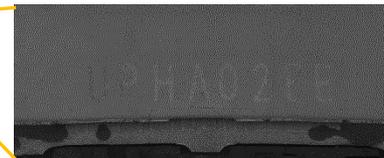


Magnification :30x  
field of view 3 vertically ×  
7 horizontally  
(some parts were trimmed )

Sample: Electronic components



Magnification:30x field of view 4 vertically × 2 horizontally  
(some parts were trimmed )



Magnification:30x field of view 4 vertically × 2 horizontally  
( some parts were trimmed )

# Option items corresponding to a various of application

## Multi Zigzag (option) Analysis example of Asbestos

As the method of Asbestos contained in the atmosphere, measuring of the 300 visual fields is required at a time. New Multi Zigzag\* (option) allows for capturing the continuous images automatically.

### Step1 Screening of fibers on the filter

**Multi Zigzag \* enables to capture the continuous field of view automatically.**

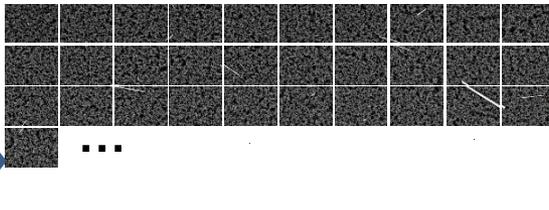
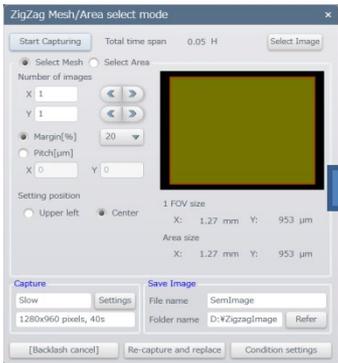
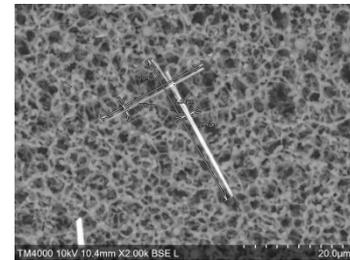


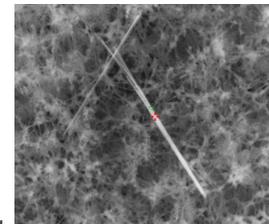
Image signal: BSE  
Magnification : 2,000x  
Sample : Tremolite (asbestos standard sample)

Multi Zigzag area select mode

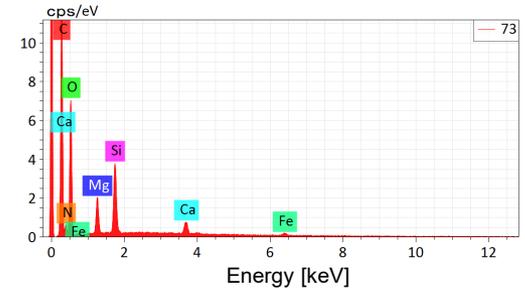
### Step3 Measuring the diameter of fibers -Elemental analysis-



Fiber length • Confirming aspect ratio

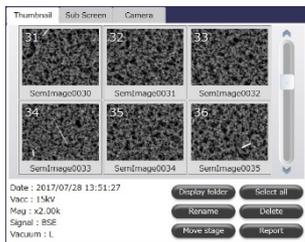


Spot analysis

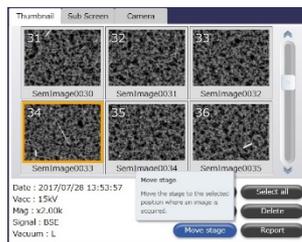


EDS spectral

### Step2 Confirmation of fiber



Confirmation of fibers on the thumbnail



Select field of view for purpose → Stage shift

