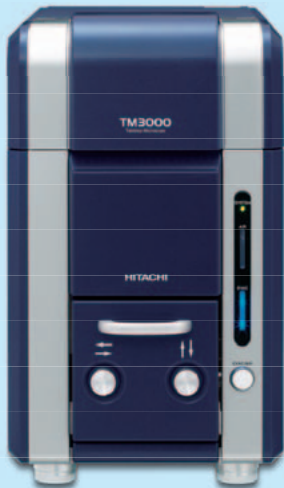


Optional Accessory for Tabletop Microscope TM3000

TM3000 Option

3D-VIEW

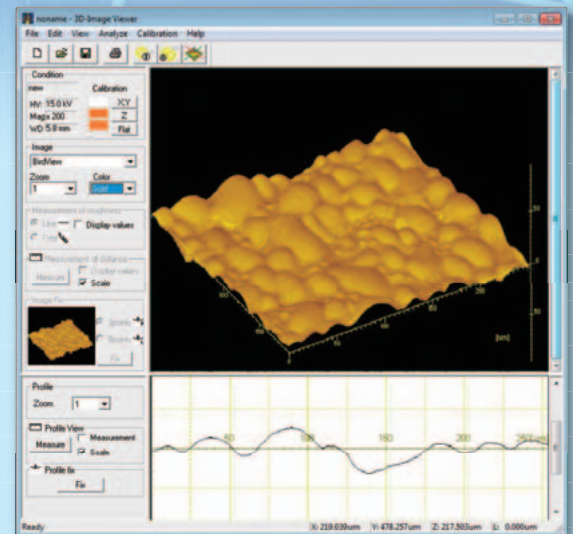
- Three-dimensional image can be rotated or zoomed in by mouse control.
- Three-dimensional image is available without tilting a sample or worrying about image shift since the 3D-VIEW utilizes the signal detected by Quad BSE detector which has 4 elements in 4 directions.
- Distance in height between 2 points and simple surface roughness can be measured from sectional profile.
- Three-dimensional image screen can be recorded in animation file (AVI format).



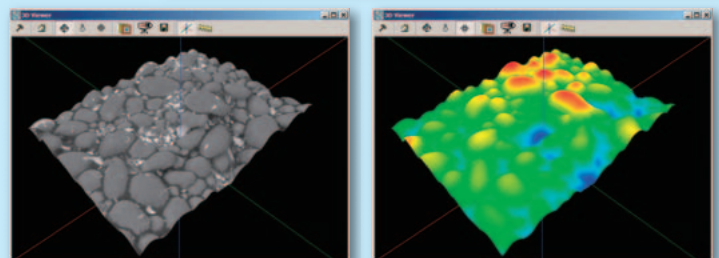
Tabletop Microscope TM3000



*Typical configuration of TM3000 with PC.
*Screen shows simulated image.



Specimen:
Rubber eraser



Main Specifications

3D-Image Viewer function

Items	Description
Import function	Automatic select and read function of four elements image data (Equipped with automatic SEM condition acquisition function)
Measurement performance	Depth accuracy $\pm 20\%$ (Reference) Measurement performance is different depending on calibration accuracy, the condition of the kind of the specimen, the observation mode, and the observation condition. Detectable angle range: ± 50 (Reference) (Observation condition: Standard mode) Unavailable in the combination of "Charge-up reduction mode" and "5kV mode".
Measurement function	Section profile display Calibration function (X/Y, Z and Flat) Distance of X and Y, length and angle measurement between two points specified on the image Surface area measurement Distance of X and Y, length and angle measurement between two points specified on section profile Surface roughness measurement on section profile Depth direction zoom-in function in section profile display Base line correction function (straight line and curved line) Bird's-eye view display Color contour line display
Three-dimensional display function	Rotation and zoom-in Animation record function of observation screen (AVI file)
PC OS	Windows® VISTA Home Premium (SP1) (32-bit) Windows® 7 Professional (32-bit)

3D-Image capture function

Items	Description
Capture function	Automatic image data acquisition by four elements of quad BSE detector
Capture pixel count	640 × 480 pixels (Quick Save), 1,280 × 960 pixels (Save)
Brightness adjustment	Automatic

*A steep topographical surface that exceed detectable angle might not be displayed accurately.

*Windows® is a registered trademark of Microsoft Corporation in the United States and/or other countries.

Notice: For correct operation, follow the instruction manual when using the instrument.

Specifications in this catalog are subject to change with or without notice, as Hitachi High-Technologies Corporation continues to develop the latest technologies and products for our customers.

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