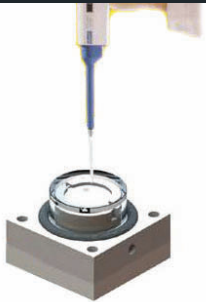




1

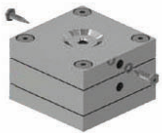
world-leading innovative liquid sample inspection with SEM



2

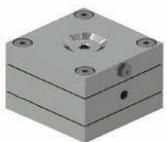


3



4

**Electron
Microscopy
Sciences**



5

“Liquid” Scanning EM Kit

FlowView Starter Kit and Microscopic Fluid Chips

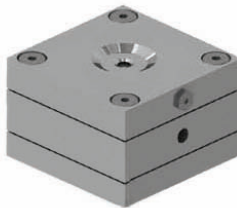
These economic and easy-to-use starter kits include stage, accessories, and 24 Microscopic Fluid Chips (Standard, Semi, or Bio). The chips are compatible with SEM for most major brands. The Microscopic Fluid Chips are available separately and are metal, so can be recycled.

The kit contains:

- Tweezer
- Pipette
- Torque Wrench
- Carrier Box
- Storage Box
- 24 Microscopic Fluid Chips

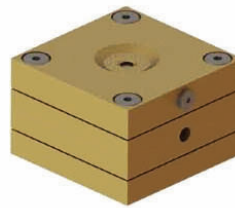


Microscopic Fluid Chips



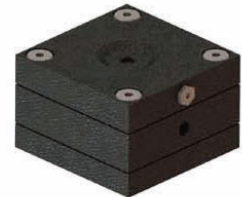
MFC Standard

Most sample droplets (paint, mixing slurry, particles in oil)



MFC Semi

CMP slurry particles, Wet etching, Photoresist developing, Electroplating

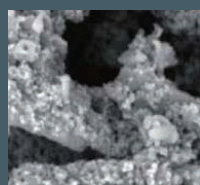


MFC Bio

Cell morphology, Bio-fluidic microchips, Polystyrene

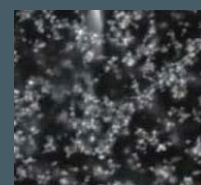
Advantages of Microscopic Fluid Chips (MFC)

- Placed with the silicon wafer & biochip substrate for in-situ observation
- Extended to automatic sampling and high-precision temperature control
- As a shuttle to an optical microscope/fluorescence microscope for in-situ observation
- Intuitive sample injection (encapsulated within a minute)



DRIED

Using MFC

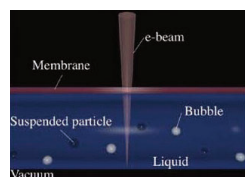


WET

“In Situ” Observation

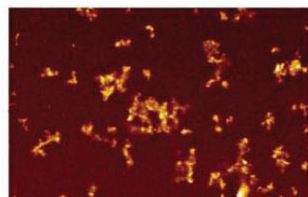
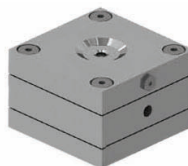
- Size
- Size Distribution
- Particle Aggregation
- Particle Dispersion
- Concentration
- Shape
- Composition

APPLICATIONS:



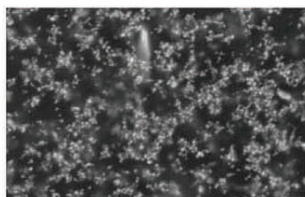
MFC Standard Application

Size, aggregation, shape and composition with in-situ liquid sample inspection



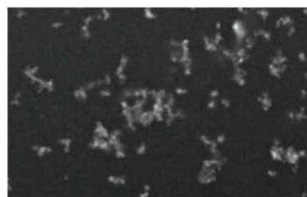
Energy & Environment Related Liquid Material

Detect & analyze the electrolyte particle distribution of liquid samples in real size



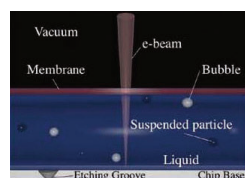
Paint & Coating Material

Analysis of the actual particle distribution in the paint or coating suspension



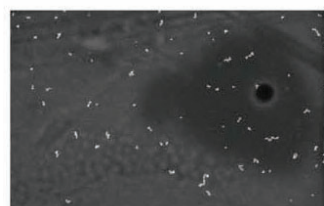
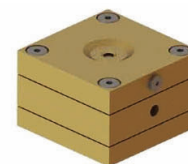
Mixing Slurry Material

The analysis of the raw material in liquid phase, solid-type analysis of the slurry can be observed in actual size



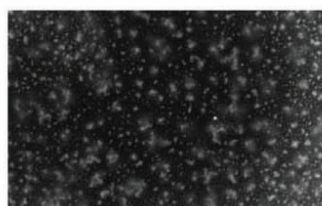
MFC Semi Application

Observe the in-situ biochip-based reaction in liquid state



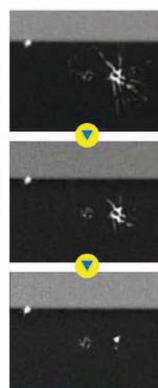
Wet Etching and Photoresist Developing Process

- Bubble liquid/suspension analysis
- Photoresist/width/monitoring of the structure and dynamics
- Analysis of the liquid phase process while the substrate surface deposits



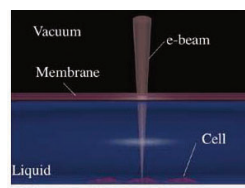
Electroplating

- Plating bath analysis of suspended particles
- Analysis of the substrate surface precipitation
- Dynamic observation of metal deposition



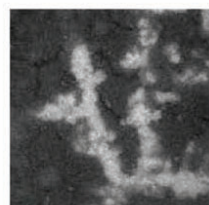
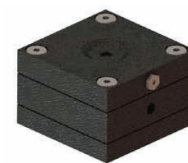
Solar Material

- Precipitation Analysis
- Material of dynamic observation



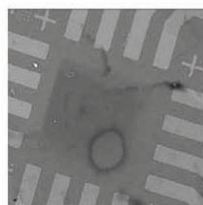
MFC Bio Application

Observe the in-situ silicon wafer-based reaction in liquid state



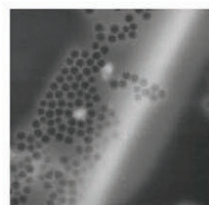
Cell Morphology

- Cell morphology observation
- The test substrate microorganisms/ tissue engineering
- Detection of cell suspension



Bio-chips

- Liquid bio-chips observation
- Dynamic recording of chip operation
- Analysis of surface modification of the fixed substance



Polystyrene

- Polystyrene surface imaging
- Polystyrene size analysis
- Drug solubility analysis



Shuttle Function

- Observed sample can be transferred to an optical or fluorescence microscope
- The dynamics of the liquid and the surface morphology of fluorescent nanoparticles can be analyzed

"Liquid" Scanning EM Kit

FlowView Starter Kit and Microscopic Fluid Chips

Ordering Information

Cat. No.	Description	Qty.
FV-102	FlowView Starter Kit — Standard	each
FV-103	FlowView Starter Kit — Semi	each
FV-104	FlowView Starter Kit — Bio	each
FV-105	Microscopic Fluid Chips — Standard	24/pk
FV-106	Microscopic Fluid Chips — Semi	24/pk
FV-107	Microscopic Fluid Chips — Bio	24/pk

**Electron
Microscopy
Sciences**

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