

E-beam based Microscopic Fluid Chip technology (MFC)

▶ **Total solution for liquid sample inspection**



● with "Microscopic Fluid Chip technology (SEM, TEM)"

BREAKTHROUGH

Fluid (dynamic and static) specimens can be inspected in EM

HIGH RESOLUTION

Objects smaller than 3 nm can be easily observed

VERSATILITY

Adjustable thermal and electrical controls

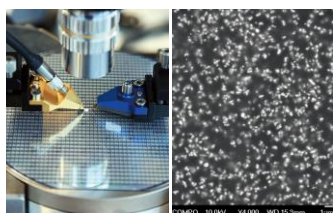
CUSTOMIZATION

Fast mounting to various e-beam based equipments

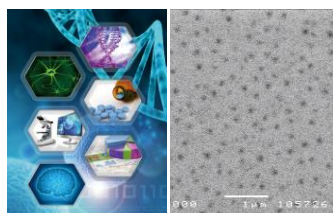
APPLICATIONS ▶



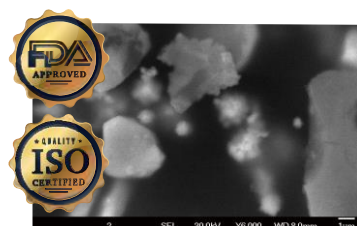
ENERGY



SEMICONDUCTOR



BIOCHEMISTRY & PHARMACEUTICALS



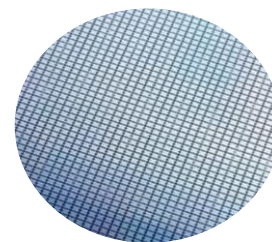
EXAMINATION & VERIFICATION

SLURRY

Electronics/SEMI

In-situ observation of wet process

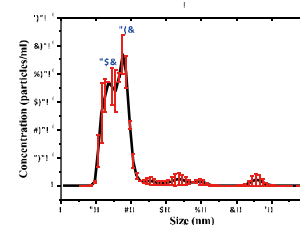
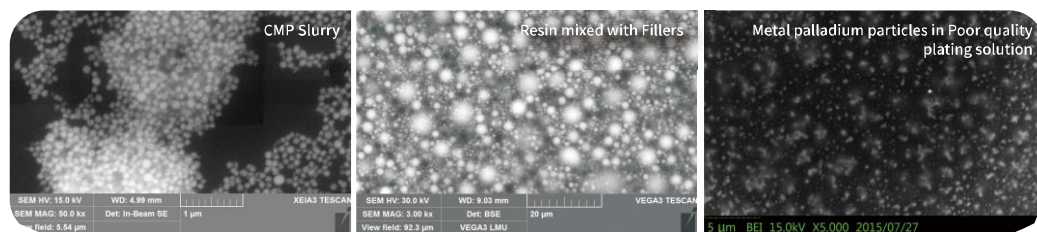
- Pollutant Identification
- Particle size/Particle size distribution
- Dispersion/Aggregation
- Composition
- Shape
- Concentration



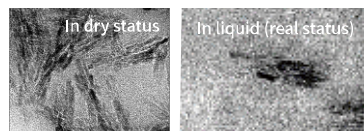
What we can Do during Electronics/SEMI Manufacturing Process



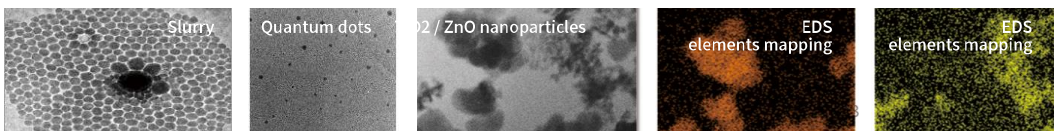
Particle count in liquid



TiO2 particle in liquid



Products for original (un-dilution) Applications



COMPETITIVE LANDSCAPE	MFC BEST				
	TECHNOLOGY	e-beam	Manual	Optical	Optical
	OPAQUE LIQUID	●	●	▲	▲
	MINIMUM SIZE MEASUREMENT	<3 nm	1 um	100 nm	10 nm
	PARTICLE ANALYSIS				
	COST	Medium	Low	Medium	Medium