



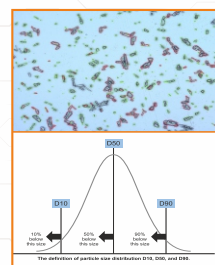
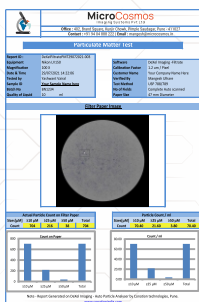
MicroCosmos
Imaging Systems Pvt Ltd

Cosmo Series

Particle Size Analyzers and Motorized Microscopes for PMT (USP 788/789), API, Placebo, Injectables, D values, 96-well plate, Yeast cells, Crystallinity and other applications



Every '**Particle**' Matters!



The ones who believed in our products



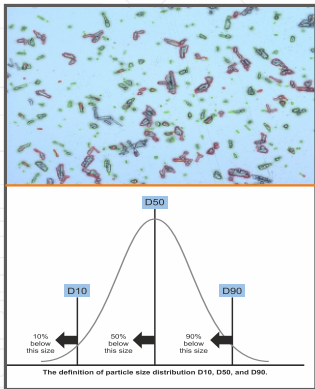
Particle Size Analyzers & Motorized Stage Microscopes

21CFR PART 11 COMPLIANT

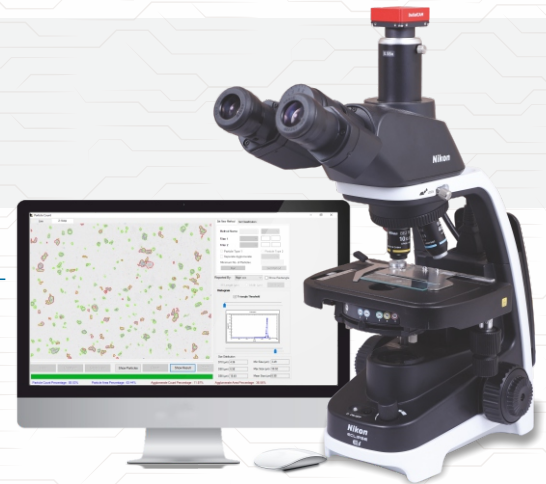
- 21CFR Part 11 compliance
- Qualification Documentation - IQ, OQ and PQ documents
- D Values (D10, D50, D90)
- Intelligent Agglomerate separation

Models:

- Cosmo-PSA I
- Cosmo-PSA II
- Cosmo-PMT (USP 788 and 789 with multiple fields)



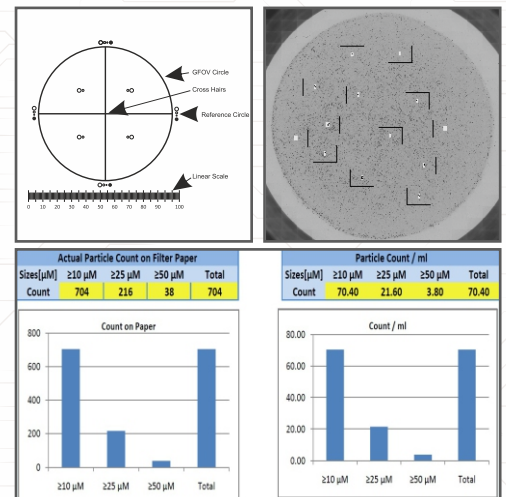
- Acquisition • Batch Run
- Measurements - Count, Size Parameters, Shape Parameters
- Method setting • Size Classification
- Particle Size Distribution as per **D values - D10, D50, D90 and all D values ranging from D1 to D100**
- Report generation – Non editable, human readable report templates
- **21CFR Part 11 Compliance**



Cosmo-PSA I / Cosmo-PSA II

Cosmo-PMT

- Acquisition • Batch Run
- Measurement - Count, Size Parameters, Shape Parameters
- Method setting – Dedicated method as per **USP 788 and USP 789**
- Classification - Distribution into **>10, >25 and >50 microns.**
- Report generation – Non editable, human readable report templates
- **21CFR Part 11 Compliance**



Cosmo-Captor

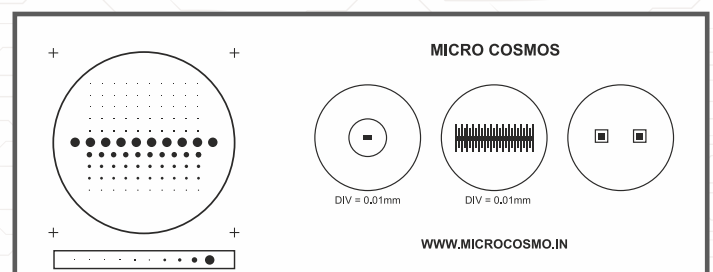
Camera – Made in Germany

- Resolution - 5 MP, USB2.0; 1/ 2.5" CMOS
 - Pixel Size – 2.2X2.2 micron
- Software - Image grabbing and annotation module as per 21CFR Part 11
- Other camera options – 10 MP, USB3.0; 12 MP USB3.0



System Calibration and Validation

- Calibration of the system with NPL traceability
- Standard particle slide for result validation



Motorized Particle Size Analysis Systems

Motorized Systems



- Complete sample scanning • 21CFR Part 11 compliance
- Qualification Documentation - IQ, OQ and PQ documents
- D Values (D10, D50, D90) • Intelligent Agglomerate separation
- Complete filter paper scanning and analysis as per USP 788 / 789
- Digitally archiving test slide at higher magnification
- Can be adapted to any existing microscope like Zeiss, Nikon, Leica, Olympus etc

- **For standard glass slide (25X75 mm) analysis**
- **Particulate Matter test - USP 788 and 789 with Filter paper scan (25 mm and 47 mm)**
- **Automated Particle Count within 96-well plate**

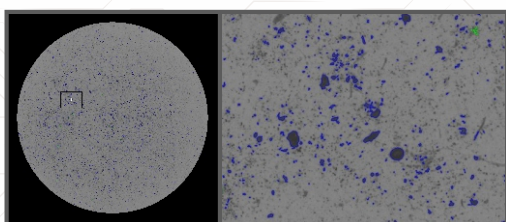
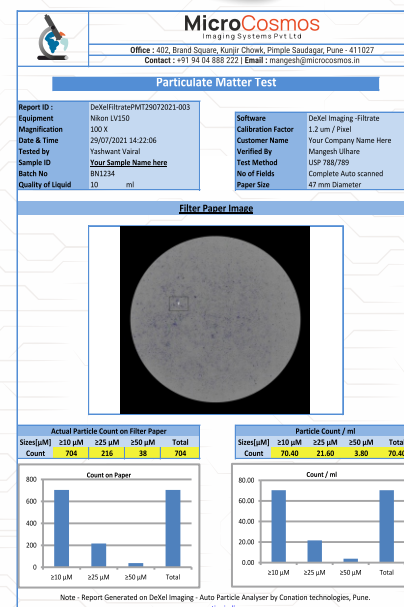
For standard glass slide (25X75 mm) analysis

- Microscope with Motorized XY scanning stage; Motorized focusing (Z)
- Joystick for XYZ navigation
- Stage Control, image acquisition and analysis software complying 21CFR part 11
- Software modules - Cosmo- PSA I and II



Particulate Matter test - USP 788 and USP 789 Filter paper scan (25 mm and 47 mm)

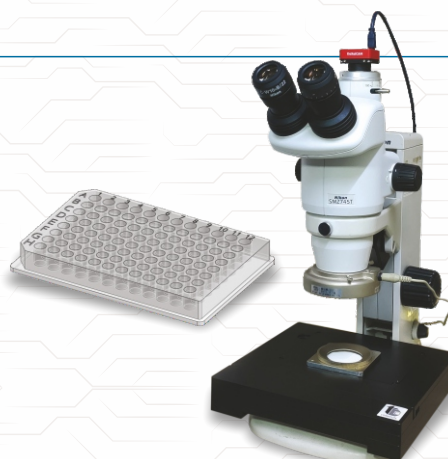
- Microscope with Motorized XY scanning stage; Motorized focusing (Z)
- Joystick for XYZ navigation
- Stage Control, image acquisition and analysis software complying 21CFR part 11
- Software modules - Cosmo-PMT



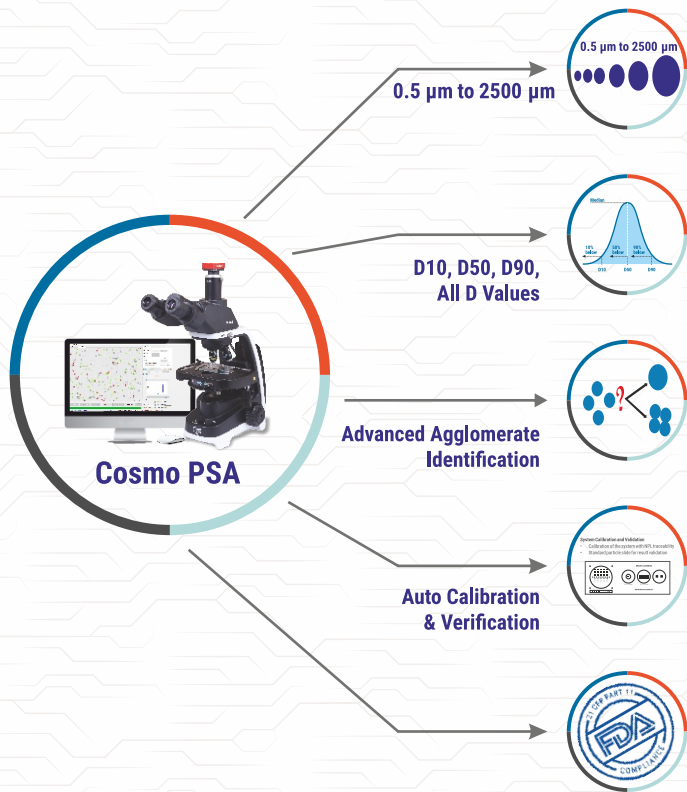
Automated Particle Count within 96-well plate

Standard Model includes

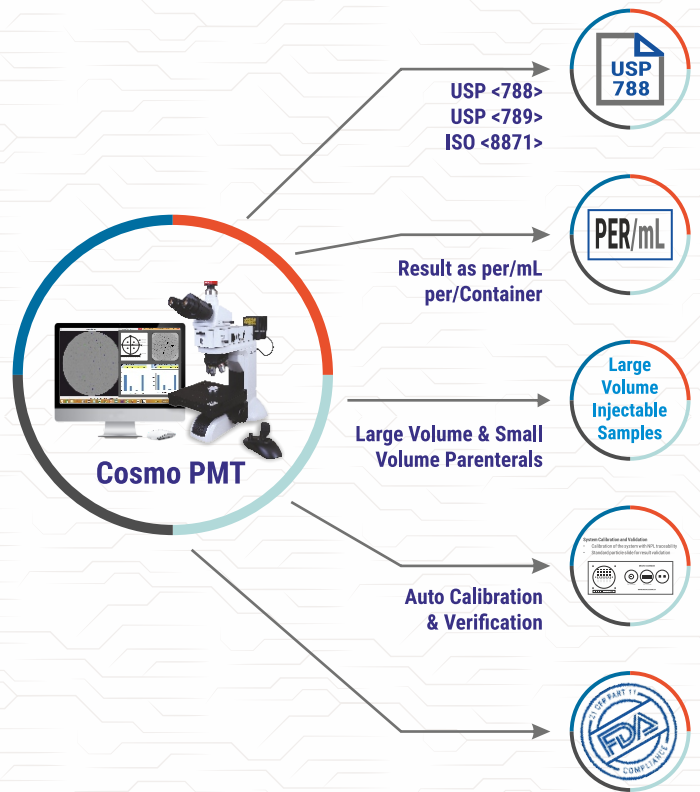
- Stereozoom Microscope Motorized XY scanning stage; Joystick for XY navigation
 - Stage Control and image acquisition software complying 21CFR part 11
 - Image Analysis software complying 21CFR part 11
 - Software modules –
1. Programmable Motorized Scanning
 2. Automatic Analysis and Automatic Counting



Advanced Particle Size Analysis

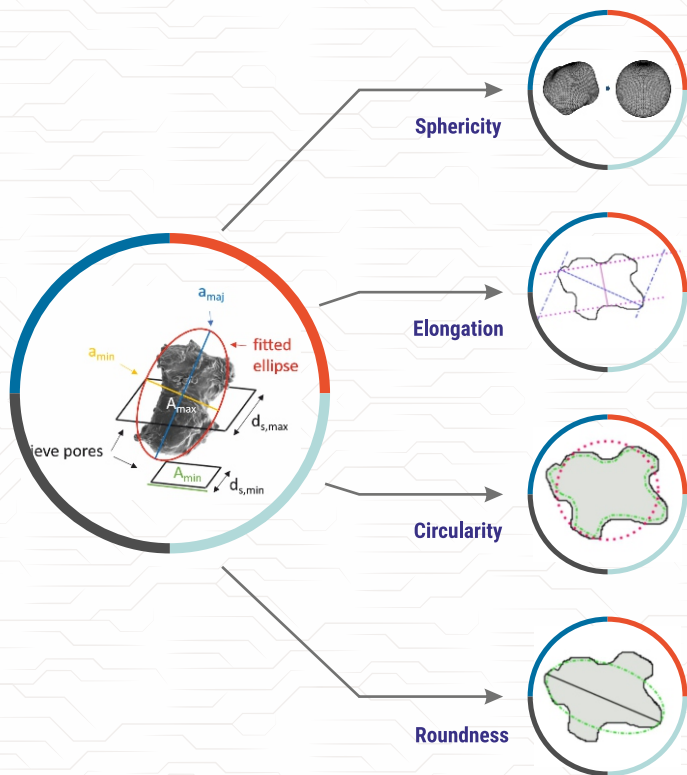


Particulate Matter Test (USP <788>, <789>, ISO <8871>)



Advanced Particle Shape & Morphology

"When Particle size alone isn't enough"



21 CFR Part 11 Complaint



- ☒ Audit Trails
- ☒ User Authentication
- ☒ Electronic Signature
- ☒ Login Controls
- ☒ Versioning
- ☒ Data Security