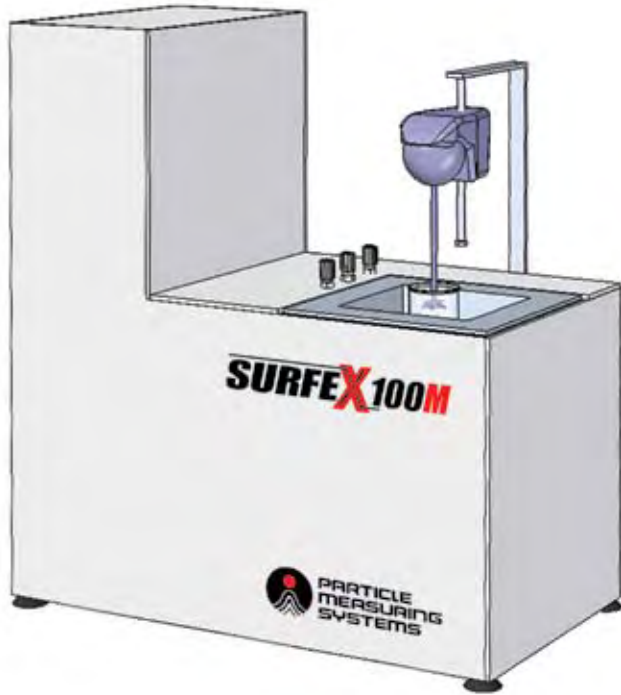


# Surfex 100M

## Particle Extraction System



The Surfex 100M is a compact, integrated particle extraction system for monitoring and qualifying part cleanliness. By combining ultrasonic extraction, particle measurement, and high purity fluidics, the Surfex 100M system saves time and money, and increases testing throughput.

The system is specially designed to count particles on small complex devices, irregular shaped parts, consumables, and components typical of the pharmaceutical, medical device, disk drive, and automotive industries. Particle counting is performed and archived with SamplerSight software.

Optional SamplerSight Pharma is available which meets all current USP, EP, and JP requirements. The accompanying data collection and reporting software is engineered for 21 CFR Part 11 requirements.



### BENEFITS

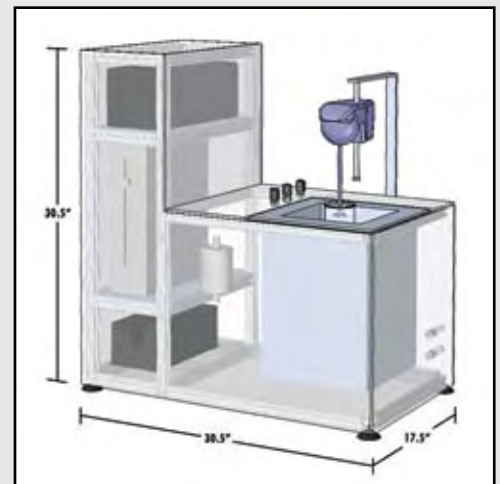
- Testing as fast as 10 minutes
- Eliminates test variability
- Quickly identify out of control conditions

### FEATURES

- Alarm levels for pass/fail criteria can be created to ensure quality control
- Security passwords maintain system integrity
- Installation, training, and on-site service
- Sample-specific setup configuration and storage
- Comprehensive reporting function

### APPLICATIONS

- Data storage - hard disk drive components
- Automotive - fuel injectors
- Medical device - implants
- Pharmaceutical - stents, vials, needles



**Without measurement, there is no control.**

# Surfex 100M

## Particle Extraction System

## specifications

Ultrasonic generator	40 kHz ultrasonic generator, 480 W
Ultrasonic tank	8" electropolished 316 stainless steel tank, w/ single sided overflow
Fluidics	Teflon® plumbing
Filtration	1 micron filtration
Cart construction	Polypropylene enclosure
Dimensions (l, w, h)	30.5" x 17.5" x 30.5"
Weight	125 lbs.
Power	110-240V, 50-60Hz
Water	0-2 L/min, single pass
Drain	4 L/min house drain
Communications	RS232
Environment	Temperature: 10 - 30°C Humidity: Non-Condensing. ISO Class 5 or better.
Options	Contact Particle Measuring Systems for available options and/or configurations
<b>LiQuilaz Particle Sensor</b>	
Size range	E20: 2-125 microns
Size channels	15
Flow rate	20mL/min
Environment	10,000 per mL
Calibration	Materials used are traceable to the USA National Institute for Standards and Technology
<b>LS-50 Liquid Sampler</b>	
Syringe size	50 mL
Sampling mode	Vacuum syringe pump
<b>SamplerSight Software</b>	
Operations	User's manual
Test procedures	Software Validation Information Notebook
Developer	Particle Measuring Systems, Inc.

Teflon® is a registered trademark of DuPont. SURFEX® and LiQuilaz® are registered trademarks of Particle Measuring Systems, Inc. Particle Measuring Systems, Inc. reserves the right to change specifications without notice.



Registration applies to the Boulder, Colorado facility

### AUTHORIZED REPRESENTATIVE



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