TSI
® **Knowledge Beyond Measure.**

Lower Your Risk. Don't Fail Audits. Contamination Control Monitoring.

Electronics and Semiconductors

Meeting the Industry Standards
- ISO 14644-1: 2015 — Cleanrooms and associated controlled environments
- ISO 21501-4:2018

Lower Your Risk.
Don't Fail Audits.

Contamination Control Monitoring

Airborne Particle Counters

10 nm to 25 μm measurement
Models for every electronics and semiconductor environment and application including:
- Cleanroom monitoring
- Tool monitoring
- Gas Monitoring

TSI® Facility Monitoring Software: Reliable Monitoring Systems

Distributed. Flexible. Redundant.
- No single point of failure
- Data available where and when you need it
- Easily scalable

A Monitor: Data Collection
- Fault-tolerant design
- Protects against network failures
- Hot-standby options

B Client: Interface
- Turn data into knowledge with alarming, reports, and trending
- Does not effect monitor or database functions
- Multiple clients possible

C Database: Secure Storage
- Valuable data is safe and secure
- Redundancy is standard with a mirror database
- SQL for high availability and fast access

1 AeroTrak® Cleanroom Condensation Particle Counter
- Confident 24/7 operation
- Minimal maintenance
- High flow rates
- Ultra-low false count rates
- No contamination or chemicals introduced into the ultra-clean environment

2 AeroTrak®+ Remote Particle Counters*
Ultra-Reliable Data Collection
- Protect against network failures with six months of data storage
- Flexible environmental monitoring system with Wi-Fi® communication

3 Aerosol Sampling Manifold
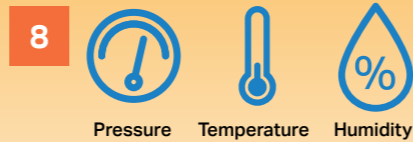
4 High Pressure Diffusers

5 AeroTrak®+ Portable Particle Counters*
- Different sample modes for monitoring, classifying, and root cause investigation
- Built-in monitoring and classification reports

6 AeroTrak® Handheld Particle Counters
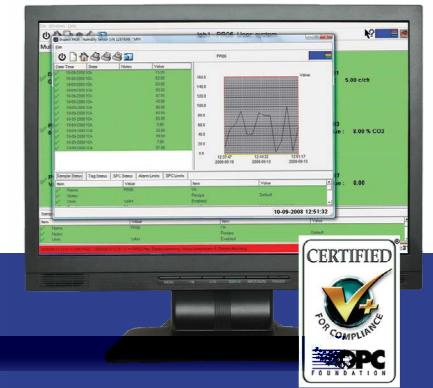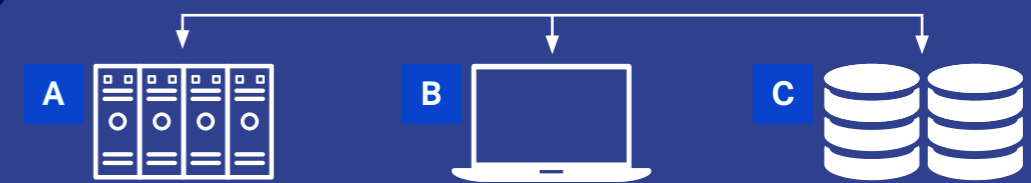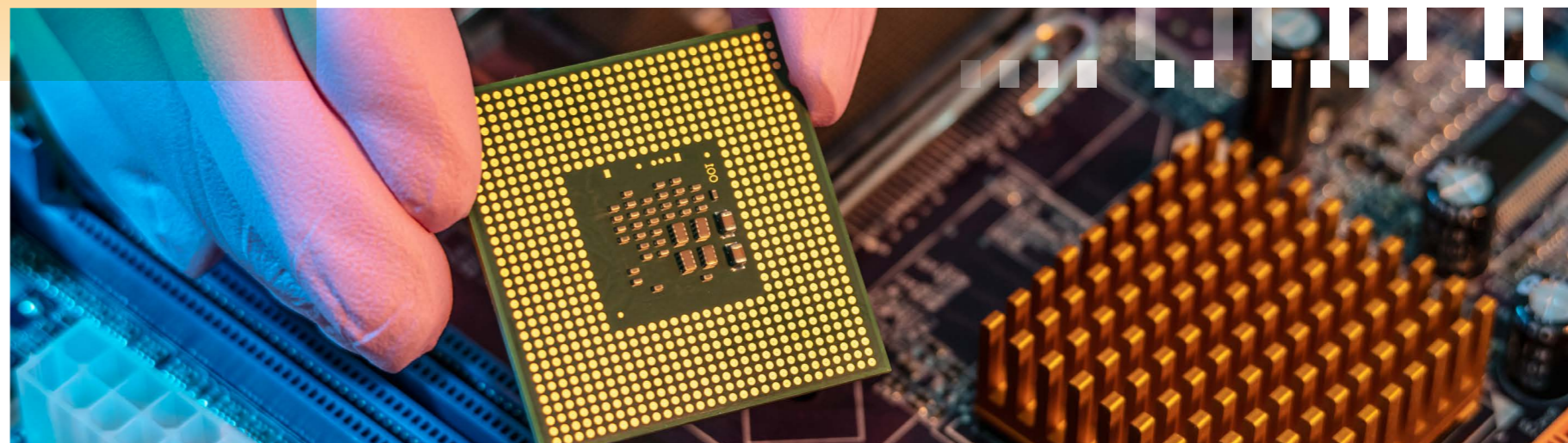
7 Remotes with Pump

8 Integrated Environmental Monitoring Probes

* Unmatched 5 Year Laser Warranty

8 Pressure Temperature Humidity

Environmental Monitoring Data

FMS Architecture

A B C

Lower Your Risk.
Don't Fail Audits.
Contamination Control Monitoring.

Electronics and Semiconductors

Facility Monitoring System
A reliable monitoring system that ensures environmental control and decreases downtime

Model	Flow Rate	Benefits and Features
Remote Particle Counters Designed for continuous monitoring as part of the Facility Monitoring System with Analog and WiFi options		
AeroTrak®+ 6000 series	0. 1 CFM (2.83 LPM)	Measure down to 0.2 or up to 25 µm, includes onboard pump, compact size, many communications options
AeroTrak®+ 7000 series	0. 1 CFM (2.83 LPM) & 1 CFM (28.3 LPM)	Measure down to 0.2 or up to 25 µm, compact size, many communications options
AeroTrak®+ 6310	1 CFM (28.3 LPM)	Full 1 CFM flow rate, 0.3 to 5.0 channels available, field-removable sensor/pump
AeroTrak® 7110	1 CFM (28.3 LPM)	Accurately measures particles down to 0.1 µm, complies with all requirements of ISO 21501-4
Portable Particle Counters Versatile instruments suitable for classification and monitoring		
AeroTrak®+ A100 Series	1 CFM (28.3 LPM), 1.77 CFM (50 LPM), and 3.53 CFM (100 LPM) models available	Intuitive interface, simplifies sampling with workflows, built-in classification and monitoring reporting capabilities, gas and filter testing
AeroTrak® 9110	1.0 CFM (28.3 LPM)	Accurately measures particles down to 0.1 µm, includes display & onboard pump, provides classification testing, complies with all requirements of ISO 21501-4
Handheld Particle Counters Economical choice for higher class cleanrooms and investigations		
AeroTrak® 9303	0.1 CFM (2.83 LPM)	Small and lightweight, low cost and versatile
AeroTrak® 9306	0.1 CFM (2.83 LPM)	Versatile, user-selectable channel version available
Cleanroom Condensation Particle Counter The only water-based, laminar flow CPC on the market that can run continuously, 24/7, or as a standalone unit		
AeroTrak Cleanroom CPC 9001	0.1 CFM (2.83 LPM)	Measures down to 10 nm like no other, ultralow zero counts for cleanroom processes

Compliance
Data Integrity
Ease of Use
Profitability

Risk
Downtime
Cost
Waste

Unmatched 5 Year Laser Warranty

Knowledge Beyond Measure.