

A blue-tinted background image of a microscope, with the lens and stage visible. The text is overlaid on this image.

XIENS 西恩士工业科技

SUZHOU XIENS INDUSTRIAL TECHNOLOGY CO., LTD

工业清洁度专家
INDUSTRIAL CLEANLINESS EXPERT

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01

企业概况

INTRODUCTION

工业清洁度专家
INDUSTRIAL CLEANLINESS EXPERT

西恩士工业-技术清洁度检测专家

西恩士工业是技术清洁度分析领域的高新技术企业，覆盖从光学器件到智能检测的全链条技术体系。公司产品体系完善，涵盖清洁度萃取设备、清洁度分析系统、环境清洁度分析系统、表面油污清洁度分析系统、油品清洁度分析设备、元素清洁度分析设备等，聚焦AI液冷清洁度检测核心场景，覆盖半导体、新能源、汽车、航空航天等高端制造领域，为国内外头部企业及零部件厂商，提供一站式清洁度检测解决方案。西恩士以“让技术清洁度检测更简单”为使命，以专业与技术创新，为全球高端制造产业筑牢清洁度质控防线，成为技术清洁度领域值得信赖的标杆品牌。

Xianshi Industry is a high-tech enterprise in the field of technical cleanliness analysis, covering a full-chain technology system from optical devices to intelligent detection. The company boasts a comprehensive product system, including cleanliness extraction equipment, cleanliness analysis systems, environmental cleanliness analysis systems, surface oil contamination cleanliness analysis systems, oil cleanliness analysis equipment, and element cleanliness analysis equipment. Focusing on the core scenario of AI liquid-cooled cleanliness detection, it covers high-end manufacturing fields such as semiconductors, new energy, automotive, aerospace, and more, providing one-stop cleanliness detection solutions for domestic and international leading enterprises and component manufacturers. With the mission of "making technical cleanliness detection simpler," Xianshi uses professional and technological innovation to build a solid cleanliness quality control defense line for the global high-end manufacturing industry, becoming a trusted benchmark brand in the field of technical cleanliness.



- AI液冷清洁度解决方案

● 表面油污清洁度解决方案

● 在线式油品清洁度解决方案
- 零部件清洁度解决方案

● 电镜清洁度解决方案
- 环境清洁度解决方案

● 油品清洁度解决方案

行业深耕（年）

Deep industry experience (years)

16⁺

获得专利

Obtain a patent

30⁺

服务企业（家）

service enterprise

3000⁺

XIENS



2010

公司成立

代理清洁度产品pall萃取系统
olympus分析系统



2013

研发第一代量产

清洁度萃取系统
自动化分析系统



2015

研发第二代量产

清洁度萃取系统
自动化分析系统



2016

成立巴斯德

OLYMPUS
奥林巴斯
Mitutoyo



2018

研发第三代量产

清洁度萃取系统、自动化分析系统
引进欧洲APMON、PartSens环境
清洁度分析设备



2021

研发第四代量产

清洁度萃取系统
自动化分析系统



2024

研发第五代

自主研发第五代自动清
洁度清洗设备、清洁度
分析系统



2026

研发液冷专属机型

针对AI液冷行业，
自主研发全新清洁度清洗设备、
清洁度分析系统



西恩士-技术清洁度检测专家
Industrial cleanliness expert

创新驱动发展，合作凝聚力量，诚信奠定根基，引领企业稳健前行，铸就卓越未来

Innovation drives development, writing gathers strength, integrity lays the foundation, leads enterprises to move forward steadily, and creates an excellent future



愿景
VISION

做技术清洁度检测领域的全球引领者

leader in the field of technological cleanliness

使命
MISSION

让技术清洁度测试更简单

Make technical cleanliness testing easier

价值观
VALUES

以客户为中心
全力以赴持续创新

Make every effort to continuously innovate

液冷合作客户

LIQUID-COOLED CUSTOMER

XIENS西恩士
optical solutions

FOXCONN®
富士康



奇宏电子(深圳、台湾、越南)

COOLER MASTER®
讯强电子



同飞股份

FII工业富联



双鸿科技

JENTECH
健策(无锡、台湾)



福建强新



富世达通讯(深圳、越南)



联德(台湾)



丹佛斯(浙江、江苏、上海)

JCTC®
TERMINAL & CONNECTORS

胜蓝科技

中兴瑞科技
SUNRISE



上海银轮
SHANGHAI YINLUN



读锐达科技
Readore Technology



东莞晶彩光学

ESSENTRA
COMPONENTS

益升华 工业零部件

T-Global
高柏科技

Heatcreate

恒创热管理系统股份



东莞吉嘉热控



新宙邦
CAPPHEN



宁波健信达恒机械



莹帆
电子

NETONX

诺通科技

Amphenol

安费诺



中瓷电子

LOTES

得意精密电子(越南)

硕通
散热

高宏
杰



卓茂仪器



合作客户

COOPERATIVE CLIENTS

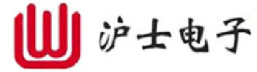
XIENS西恩士
optical solutions



合作客户

COOPERATIVE CLIENTS

XIENS西恩士
optical solutions

 国机集团	 烽火通信	 哈焊	 史密斯 美国热水专家	 PANDA 中国电子熊猫集团	 东安动力	 三樱	 瑶华半导体	 宝钢集团	 中国航天	 CEPREI 中国赛宝(华东) 实验室	
 金像电子	 江丰电子	 YAGEO Phycomp 国巨电子	 昱鑫共创	 柏承科技	 先导	 京源电子	 立讯精密	 南通富士通	 TRD 青岛泰润达重工股份有限公司 Qingdao Tairunda Heavy Industry Co., LTD.	 中陕核	 南京邦奇
 艾默生	 阿特斯	 MIND 曼德	 Standex 上海斯丹麦德	 瀚宇博德	 YANMAR 青岛洋马发动机	 柏楚电子	 炬能	 德尔福	 卡斯蒂铝	 江苏华利	 东南大学
 金龙稀土	 华硕	 东莞市华弘精密机械有限公司 Dongguan Huahong Precision Machinery Co., Ltd.	 美乐科斯	 星云电子	 光大环保	 马勒	 阿帕奇激光	 优耐铜材(苏州)有限公司	 澳弘电子	 中航工业	 上海交通大学
 安庆帝伯格茨活塞环有限公司 ANQING TP GOETZE PISTON RING CO., LTD.	 深圳安培龙科技股份	 安派	 SANDEN 天津三电	 深南电路	 协众国际	 美国卡特彼勒	 沪士电子	 铭利达	 Recodeal 苏州瑞可达	 富士和机械工业	 香港中文大学

专利证书



PCB分析软件
专利号2023SR1466937



自动测量软件
专利号2023SR1472714



显微镜自动控制软件
专利号ZL202420226853.6



清洁度分析软件专利
专利号2018SR004634



双偏光专利
专利号ZL202420226853.6



自动调节载物台
专利号ZL202421022274.6



清洗装置
专利号ZL202421979527.9



多级滤膜制样装置
专利号ZL202420226853.6

8项
软件专利

3项
创新专利

18项
体系认证

西恩士工业始终秉持自主创新理念，以专业研发团队为核心，坚持技术深耕与持续探索。我们聚焦行业技术痛点，不断突破研发壁垒，优化算法架构与系统逻辑，潜心打磨自研软件核心技术。目前，公司已成功斩获多项软件研发专利，实现核心技术自主可控。未来将持续深耕技术创新，以自研核心技术筑牢企业竞争壁垒，助力行业高质量发展



02

产品类别

PRODUCT CATEGORY

工业清洁度专家

INDUSTRIAL CLEANLINESS EXPERT

微米级精准质控

我们提供专业的技术清洁度检测解决方案

适用于AI液冷 | 汽车 | 电池 | 新能源 | 半导体 | 工程机械 | 航空航天等领域

XIENS西恩士
optical solutions



公众号



官网



抖音

西恩士工业 清洁度一站式解决方案

📍 苏州市高新区枫桥镇御前路5号 2号厂房

☎ 4008-502-022

🌐 www.xiens-ai.com



环境清洁度分析系统



技术清洁度分析系统



技术清洁度分析系统



电镜清洁度分析系统



手持油污清洁度分析系统



油品清洁度分析系统

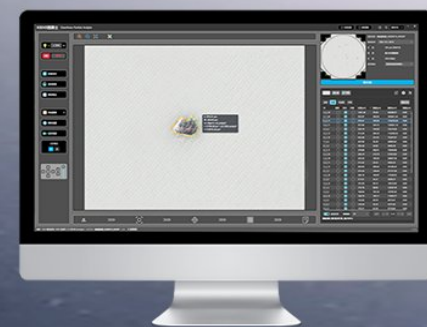
AI液冷清洁度 一站式解决方案

针对液冷板 | UQD | 液冷管路 | MANIFOLD等核心零部件清洁度检测难题

- 液冷清洁度萃取设备
- 液冷清洁度分析系统



NEW 全系产品
重磅升级



CLS600

超声波清洗槽
Ultrasonic Cleaning Tank



压力清洗
Pressure Washing



三级滤膜制样
Sample Preparation
Of Tertiary Filter Membrane



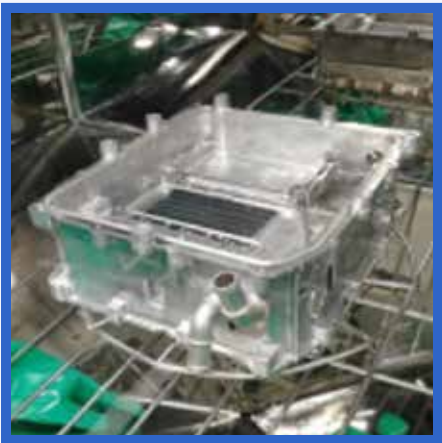
触摸屏面板
Touch screen Panel



模具成型压力清洗槽
Mold Forming Pressure Cleaning Tank



水平旋转平台
Horizontal Rotating Platform





空气层流净化 Air laminar flow purification

设备集成空气循环过滤送风系统，在清洗区形成千级/百级洁净环境（普通实验室为百万级），通过高效过滤与层流技术隔离外部污染，确保零件清洁度检测的准确性。

The equipment is integrated with an air circulation, filtration, and air supply system, creating a Class 1000/Class 100 clean environment in the cleaning zone (compared to Class 1 million in ordinary laboratories). It isolates external contamination through high-efficiency filtration and laminar flow technology, ensuring the accuracy of part cleanliness testing

四壁喷淋自清洗 Self-cleaning sprinkler system on all four walls

压力清洗槽顶部配置广角喷头阵列，自动环绕清洗四壁，实现实验前处理预清洁。

The top of the pressure cleaning tank is equipped with a wide-angle nozzle array, which automatically surrounds and cleans the four walls, achieving pre-cleaning for experimental pre-treatment.

空气吹扫 Air purging

通过洁净无油压缩空气（客户外接气源经两级过滤）吹除样品表面颗粒。

Blow off particles on the sample surface with clean and oil-free compressed air (the external air source of the customer is filtered through two stages).

压力冲洗 Pressure flushing

喷枪按国标压力或欧标流速参数设定，支持定量/定时/流速模式清洗萃取颗粒。

The spray gun is set according to national standard pressure or European standard flow rate parameters, supporting quantitative/timed/flow rate modes for cleaning and extracting particles.

超声波自动清洗

超声波清洗通过空化效应（液体中微气泡破裂产生1012-1013Pa冲击波及局部高温）的物理作用，剥离零件表面颗粒污染物

Ultrasonic cleaning removes particulate contaminants from the surface of parts through the physical effect of cavitation (the collapse of microbubbles in liquid generates a shock wave of 1012-1013 Pa and local high temperature)



| 清洗舱
Cleaning chambers



| 滤膜装置
Membrane device



| 外观构造
Hardware Specifications

技术参数(Technical Parameters)				
型号 Model	ClS600P/ClS600PU	ClS750P/ClS750PU	ClS900P/ClS900PU	ClS1100P
主体架台材质 Main Frame Material	不锈钢/钣金喷漆 (Stainless steel/sheet metal painting)			
功能模式选择 Function Mode Selection	压力清洗、★空气吹扫、★灌流冲洗、★超声波清洗、★晃动/震动冲洗、★脉冲式冲洗、循环清洗、单次清洗、加液、排液、手动测试、参数设置等 Pressure Flushing, Air Purge, Perfusion Flushing, Ultrasonic Cleaning, Shaking/Vibration Flushing, Pulsed Flushing, Circulating Flushing, Single Flushing, Liquid Filling, Liquid Draining, Manual Test, Parameter Setting, etc.			
设备整体尺寸 Overall Equipment Dimension	1100*800*2100mm	1250*800*2100mm	1400*900*2100mm	1600*900*2100mm
槽体尺寸 Tank Dimension	600*600*800mm	750*600*800mm	900*700*800mm	1100*700*800mm
自洁模式 Self-Cleaning Mode	四壁喷淋自清洗 (Four-wall Spray Self-Cleaning)	四壁喷淋自清洗 (Four-wall Spray Self-Cleaning)	四壁喷淋自清洗 (Four-wall Spray Self-Cleaning)	四壁喷淋自清洗 (Four-wall Spray Self-Cleaning)
压力/ 流量冲洗 Pressure/Flow Flushing	压力Pressure: 0.1-0.5Mpa (可定制Customizable) 流量Flow Rate: 1-5.5L/min (可定制Customizable)			
★空气吹扫 Air Purge	PLC控制调节、全气流圆形喷嘴 (PLC control and regulation, full air flow round nozzle)			
★超声波集成方式 Ultrasonic Integration Mode	一体式Integrated type	一体式Integrated type	一体式Integrated type	一体式Integrated type
	功率密度自调节Power density self-regulation	功率密度自调节Power density self-regulation	功率密度自调节Power density self-regulation	功率密度自调节Power density self-regulation
★灌流冲洗 Perfusion Flushing	采用PID算法、流速实时补偿Adopts PID algorithm with real-time flow rate compensation; 1-8L/min (最大可定制60L/min)			
★晃动/震动冲洗 Shaking/Vibration Flushing	外置晃动/振动台 (需定制) External Shaking/Vibration Table (Customizable)			
★脉冲式冲洗 Pulsed Flushing	可定制Customizable			
系统 System	西门子Siemens			
喷枪喷嘴 Spray Gun Nozzle	圆柱、锥形、扇形、多孔平型喷嘴 (可选) Cylindrical, conical, fan-shaped, multi-hole flat nozzles (optional)			
空白值 Blank Value	满足 ISO16232-3 标准, 最大颗粒必须小于零件/产品上允许颗粒尺寸的 50%, 空白值内的颗粒量不得超过部件所需清洁度水平的 10%污染物重量: 0.2-0.3mg、颗粒物大小: 50-150um Complies with ISO 16232-3 standard, where the maximum particle size shall be less than 50% of the allowable particle size on parts/products, and the particle quantity within the blank value shall not exceed 10% of the cleanliness level required for the components. Contaminant weight: 0.2-0.3 mg, Particle size: 50-150 μm			
清洗介质 Cleaning Medium	中性溶剂 Neutral Solvent (AP760/G60/D60/Iso Sparl) /纯水 Pure Water			
绝对过滤精度 Absolute Filtration Precision	0.2um			
装载滤膜层数 Number of Loaded Filter Membrane Layers	三层Three-layer			
工作电源 Working Power Supply	AC220V,50Hz; 功率power: 900W			

SinAPC15A

日本奥林巴斯SZX7显微镜；（检测 $\geq 5\mu\text{m}$ 的颗粒）；
以优异的成像性能、舒适的操作体验为客户提供更加完善的解决方案。

Olympus SZX7 microscope from Japan; (detects particles $\geq 5\mu\text{m}$); provides customers with more comprehensive solutions due to its excellent imaging performance and comfortable operating experience.



电动高精度扫描平台

Electric high-precision
scanning platform



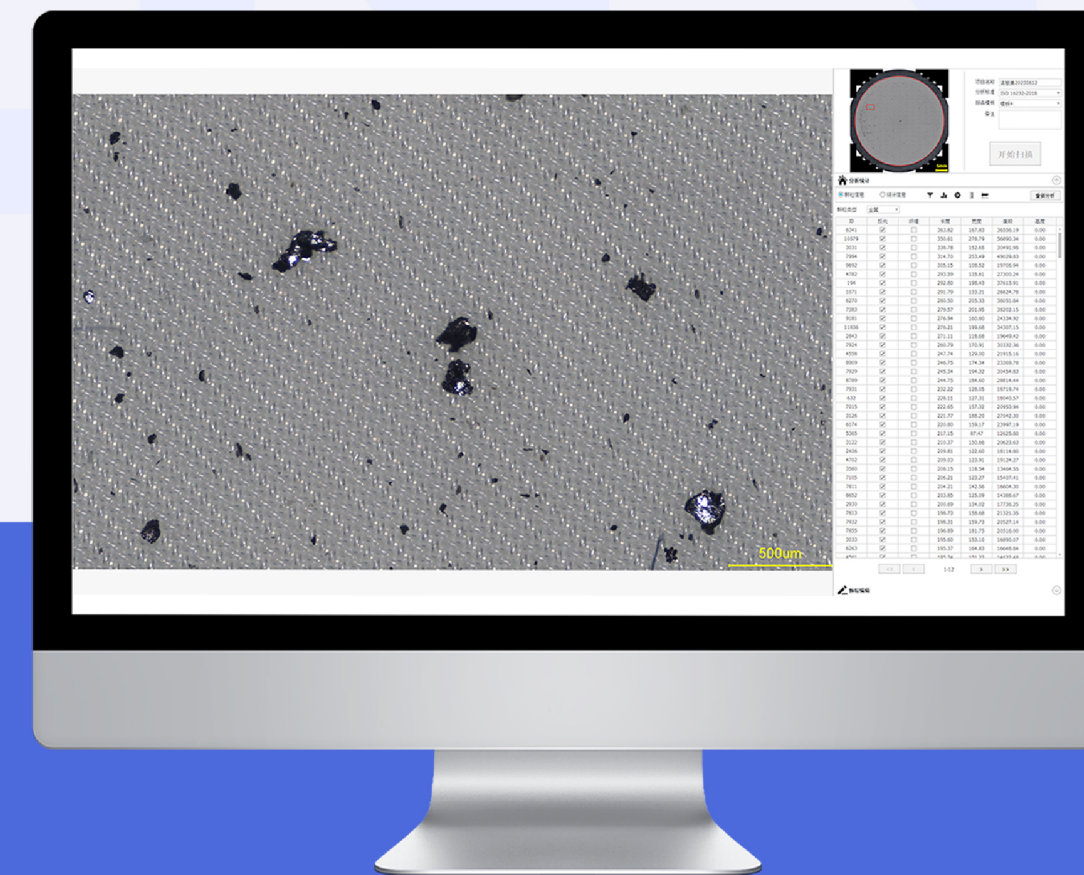
高清成像系统

High-definition imaging system



专业清洁度软件

Professional cleanliness software



超高景深·对于大颗粒识别更加友好

Ultra-high depth of field · More friendly for large particle recognition

SinAPC15A 技术参数(Technical Parameters)	
光学系统: Optical System	Japanese Olympus High Depth of Field Microscope
检测颗粒尺寸: Detectable Particle Size	≥5um
变倍比: Zoom Ratio	7:1
照明模式: Illumination Mode	LED冷光源 (LED Cold Light Source)
偏振光系统: Polarized Light System	双偏光模式; 全自动切换偏光/明场 (Dual Polarization Mode; Automatic switching between polarization/bright field)
最大颗粒偏差: Maximum Particle Deviation	≤2个像素 (≤2 pixels)
阈值控制: Threshold Control	全自动、无需人为干预 (Fully automatic, no human intervention required)
扫描相机: Scanning Camera	230万有效像素、索尼芯片 (2.3 million effective pixels, Sony chip)
自动扫描平台: Automatic Scanning Platform	行程80*60mm、重复精度≤1um (Stroke: 80×60 mm, Repeatability ≤1 μm)
颗粒标准块: Particle Standard Block	内镶224颗颗粒; 高于CLASS8标准 (64颗) 用于不同系统对标 (Embedded with 224 particles; Exceeds CLASS 8 standard (64 particles) for cross-calibration of different systems)
清洁度分析软件: Cleanliness Analysis Software	一键扫描、自动区分金属颗粒、非金属颗粒、纤维 (automatic differentiation of metallic particles, non-metallic particles and fibers)
电脑: Computer	DELL高性能电脑 (DELL High-performance Computer)

SinAPC53M

日本Olympus **BX53M**高景深体式显微镜（检测 $\geq 2.5\mu\text{m}$ 的颗粒）；以优异的成像性能、舒适的操作体验为客户提供更加完善的解决方案。

The Olympus BX53M high-depth-of-field body microscope from Japan (capable of detecting particles $\geq 2.5\mu\text{m}$) provides customers with more comprehensive solutions, thanks to its excellent imaging performance and comfortable operating experience.



高清彩色CMOS相机
High-Definition Color CMOS Camera



高精度电动扫描平台
High-Precision Motorized Scanning Platform



专业清洁度分析软件
Professional Cleanliness Analysis Software



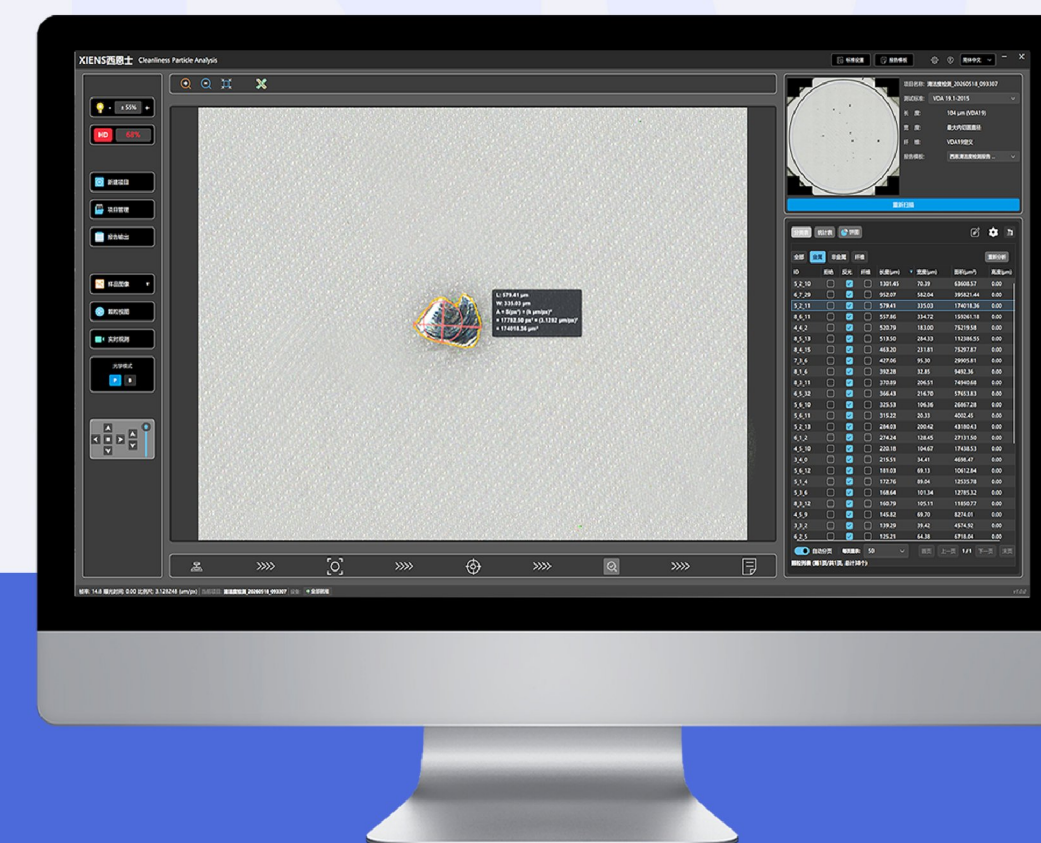
精度高·适合微小颗粒，可测量颗粒高度
Suitable for measuring tiny particles, capable of measuring particle height

SinAPC53M 技术参数(Technical Parameters)	
光学系统: Optical System	SinAPC53M材料显微镜
分辨率: Resolution	1um
分析精度: Analysis Accuracy	≥2.5um
照明模式: Illumination Mode	LED冷光源 (LED Cold Light Source)
偏振光系统: Polarized Light System	双偏光模式 (Dual Polarization Mode)
物镜数: Number of Objective Lenses	标配5倍、10倍两颗物镜 (Comes standard with two objective lenses (5× and 10×))
阈值控制: Threshold Control	全自动、无需人为干预 (Fully automatic, no human intervention required)
扫描相机: Scanning Camera	230万有效像素、索尼芯片 (2.3 million effective pixels, Sony chip)
自动扫描平台: Automatic Scanning Platform	行程80*60mm、重复精度≤1um (Stroke: 80×60 mm, Repeatability ≤1 μm)
轴向: Axial Direction	XYZ三轴全自动; 可测量颗粒高度 (XYZ 3-axis fully automatic; capable of measuring particle height)
清洁度分析软件: Cleanliness Analysis Software	一键扫描、自动区分金属颗粒、非金属颗粒、纤维 (One-click scanning, automatic differentiation of metallic particles, non-metallic particles and fibers)
颗粒标准块: Particle Standard Block	内镶224颗颗粒; 高于CLASS8标准 (64颗) 用于不同系统对标Embedded with 224 particles; exceeds CLASS 8 standard (64 particles) for cross-calibration of different systems
最大颗粒偏差: Maximum Particle Deviation	≤2个像素 (≤2 pixels)
电脑: Computer	DELL高性能电脑 (DELL High-performance Computer)

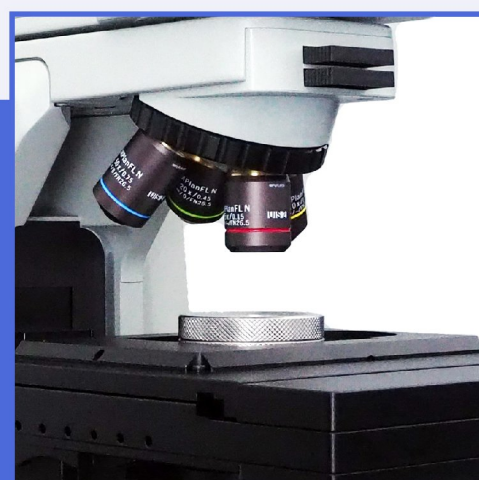
SinAPC18

采用原装 Nikon SMZ18 光学显微镜，超大变倍比 18: 1（依据VDA19标准、变倍比 > 16: 1显微镜可检测 $\geq 5\mu\text{m}$ 颗粒）

PCIA-5 microscope; equipped with an original Nikon SMZ18 optical microscope, featuring a super zoom ratio of 18:1 (according to VDA19 standards, microscopes with a zoom ratio >16:1 can detect particles $\geq 5\mu\text{m}$)



高清彩色CMOS相机
High-Definition Color CMOS Camera



高精度电动扫描平台
High-Precision Motorized Scanning Platform



专业清洁度分析软件
Professional Cleanliness Analysis Software

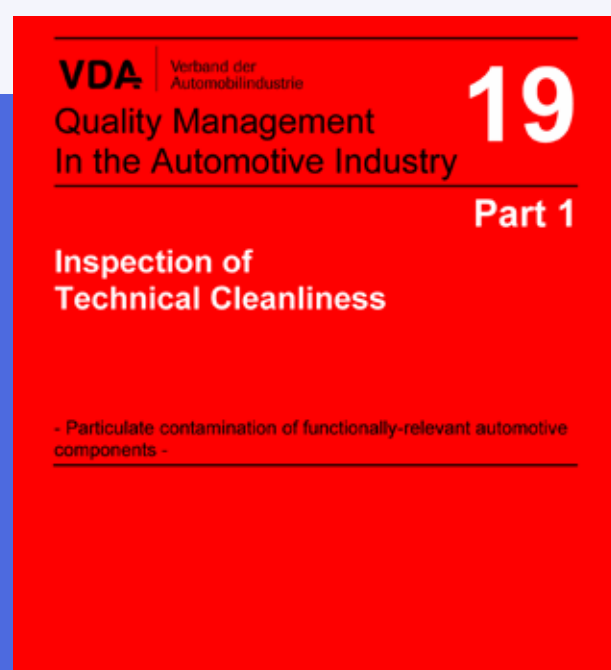
高清成像，超大变倍比
High-definition imaging, ultra-large zoom ratio

SinAPC18 技术参数(Technical Parameters)	
光学系统: Optical System	Nikon SMZ18
分辨率: Resolution	0.4μm/pixel
分析精度: Analysis Accuracy	≥5um
照明模式: Illumination Mode	LED冷光源 (LED Cold Light Source)
偏振光系统: Polarized Light System	双偏光模式 (Dual Polarization Mode)
变倍比: zoom ratio	18:1
阈值控制: Threshold Control	全自动、无需人为干预 (Fully automatic, no human intervention required)
扫描相机: Scanning Camera	300万有效像素 (3 million effective pixels)
自动扫描平台: Automatic Scanning Platform	行程80*60mm、重复精度 : ±2um (Stroke: 80×60 mm, Repeatability ±2um)
轴向: Axial Direction	XYZ三轴全自动; 可测量颗粒高度 (XYZ 3-axis fully automatic; capable of measuring particle height)
清洁度分析软件: Cleanliness Analysis Software	一键扫描、自动区分金属颗粒、非金属颗粒、纤维 (One-click scanning, automatic differentiation of metallic particles, non-metallic particles and fibers)
颗粒标准块: Particle Standard Block	内镶224颗颗粒; 高于CLASS8标准 (64颗) 用于不同系统对标Embedded with 224 particles; exceeds CLASS 8 standard (64 particles) for cross-calibration of different systems
电脑: Computer	DELL高性能电脑 (DELL High-performance Computer)

XIENS SOFTWARE

一款基于技术清洁度标准VDA19，ISO16232来开发的一款图像分析类软件。包含强大的AI算法，能够通过大量的清洁度标本数据进行深度学习，更大程度的规避因误判带来的数据错误风险。

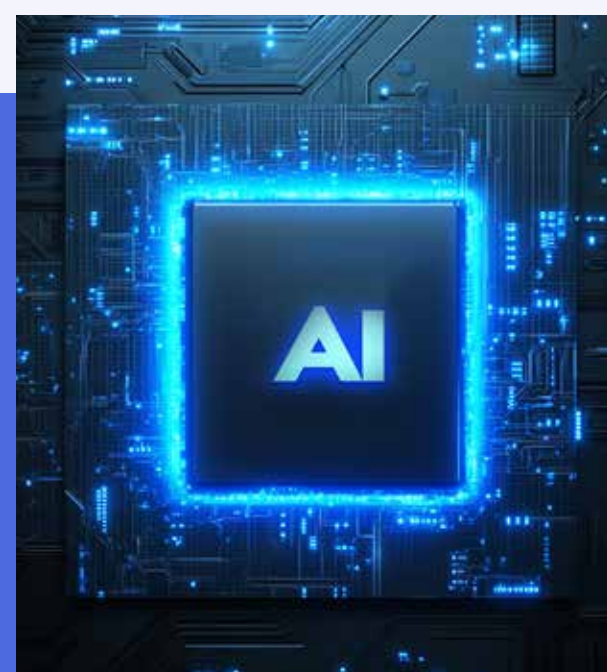
An image analysis software developed based on technical cleanliness standards VDA19 and ISO16232. It incorporates powerful AI algorithms that enable deep learning through a large amount of cleanliness specimen data, thereby minimizing the risk of data errors caused by misjudgments.



VDA19



ISO16232



AI算法





烘箱Oven

·控温范围：RT+10-200℃

·控温精度：0.1℃

·定时范围：0-9999min

·温度波动：±1℃

·电源电压：AC 220V/50Hz

·消耗功率：330W

·跟踪报警：+10℃



恒湿冷却箱Cooling Chamber

·控温范围：RT+10-200℃

·控温精度：0.1℃

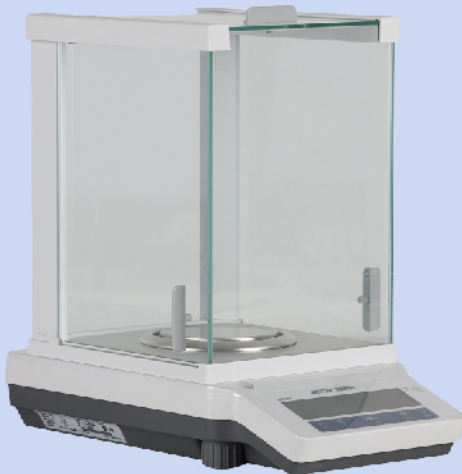
·定时范围：0-9999min

·温度波动：±1℃

·电源电压：AC 220V/50Hz

·消耗功率：330W

·跟踪报警：+10℃



天平Balance

·最大称量值：120g

·Repeatability：0.1mg

·秤台尺寸：ø90mm

·线性：0.2mg

·Readability：0.1mg

·Setting time (typical)：2s



器皿

Cleaning Solution



清洁度滤纸

Cleanliness Filter Paper



清洗液

Cleaning Solution



表面油污清洁度分析系统

SURFACE OIL CONTAMINATION CLEANLINESS ANALYSIS SYSTEM

XIENS西恩士
optical solutions

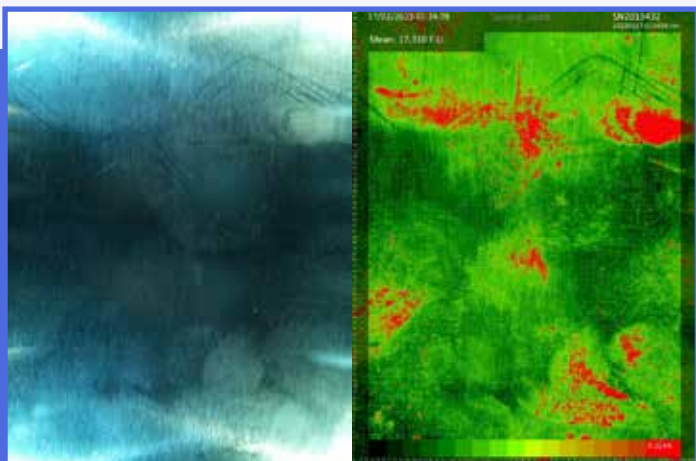
recognoil 3W

在每个可能的空间内，从所有可能的角度分析您的表面。该设备有一个专门的多手柄，配有两个触发按钮。通过这种方式，您可以轻松检查挂在输送机上的产品，获取头顶以上的信息，或分析开放空间上方的表面。

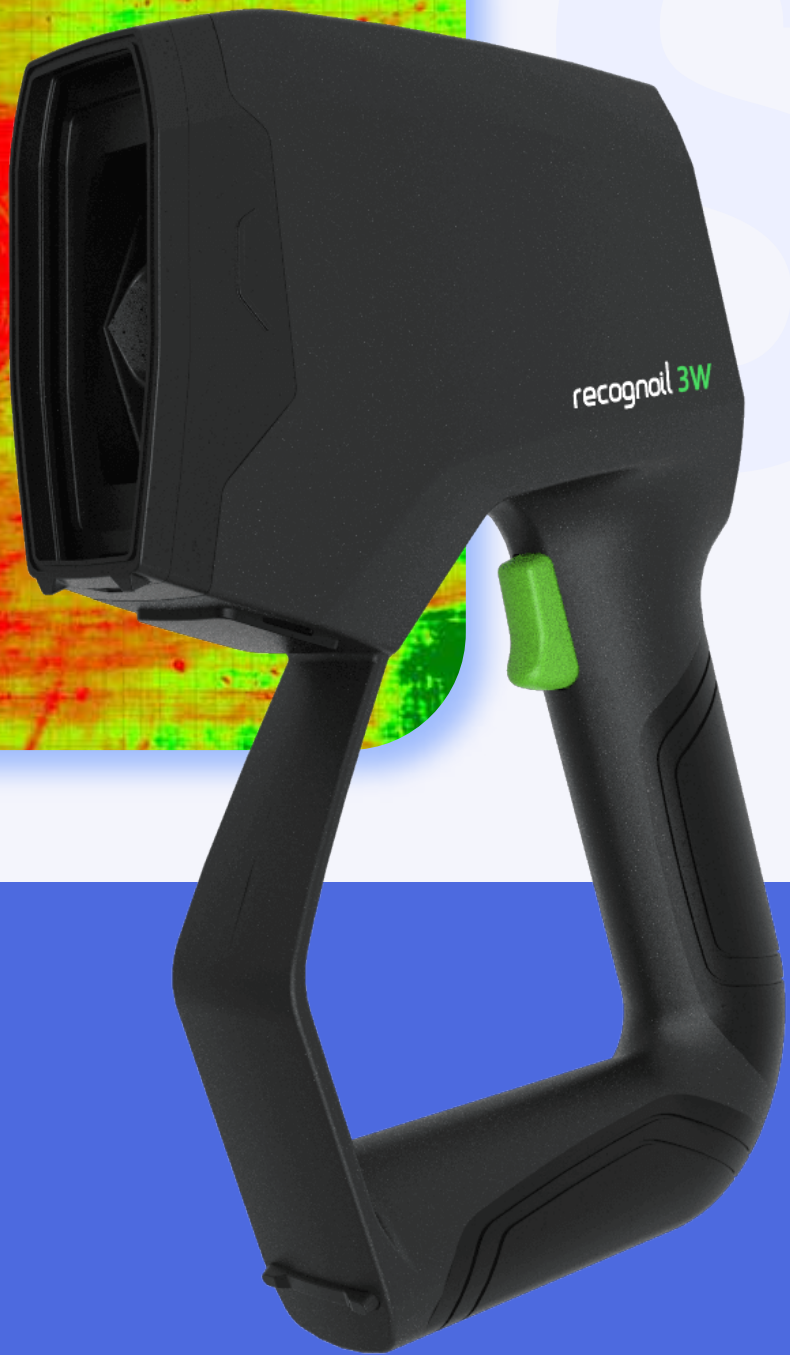
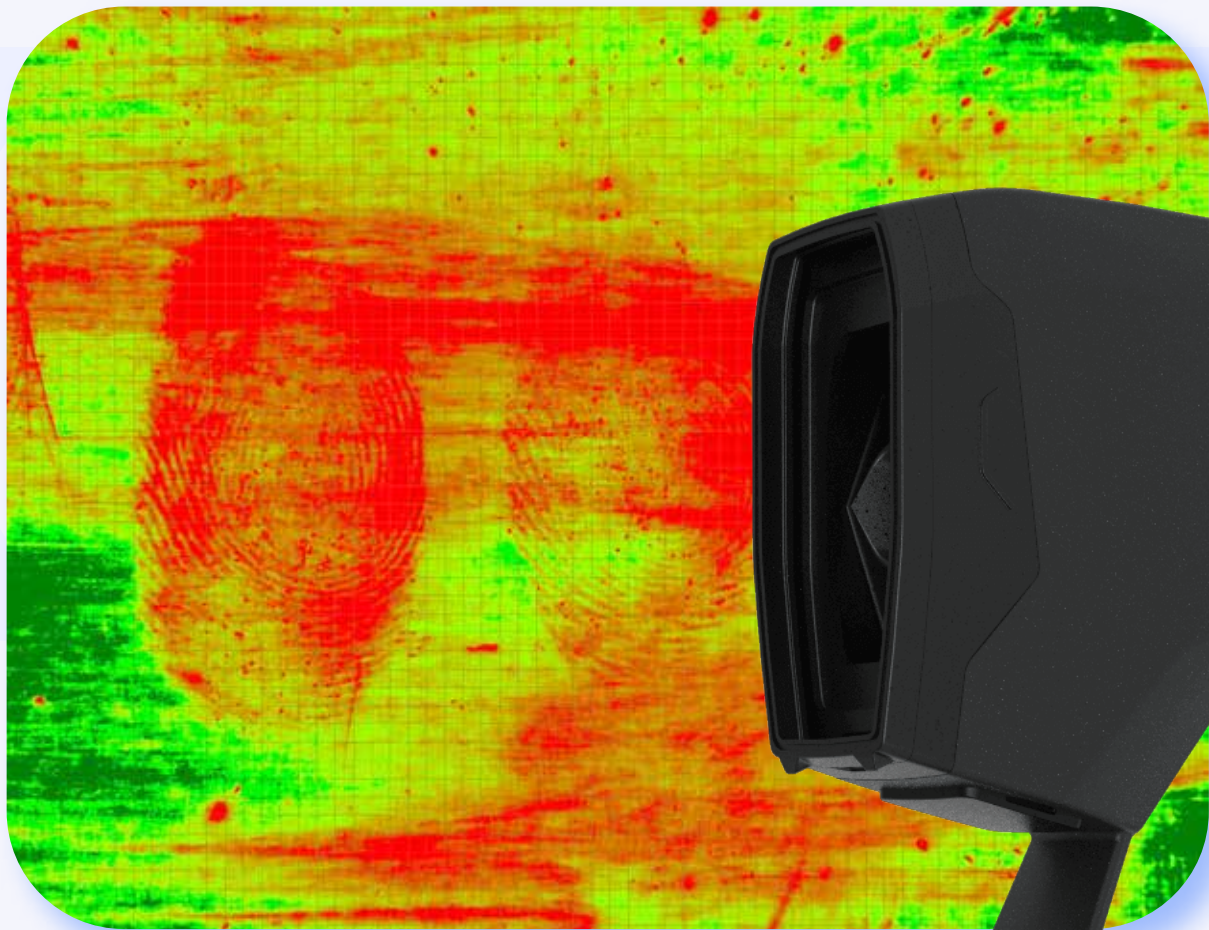
In every conceivable space, analyze your surface from all conceivable angles. This device features a specialized multi-grip handle equipped with two trigger buttons. This way, you can easily inspect products hanging on conveyors, gather information above your head, or analyze surfaces above open spaces.



大面积一次测量，实时检测零件状态变化，无需预处理，高灵敏度识别微污染



功能强大的分析软件支持OK-NOK判定，实现定量与定性双重检测



新型分析·更清洁·更轻松·更有效

New analysis · Cleaner · Easier · More effective

比较使用其他方法

Compare with using other methods

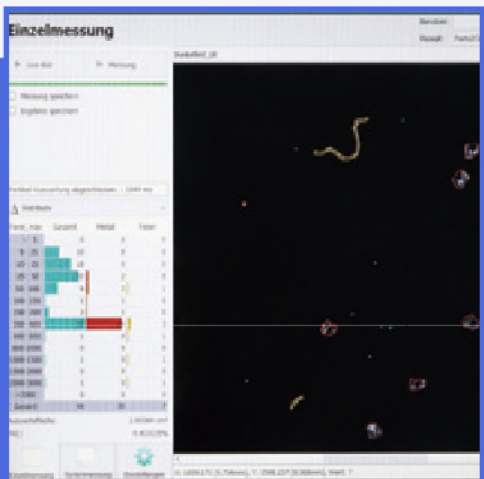
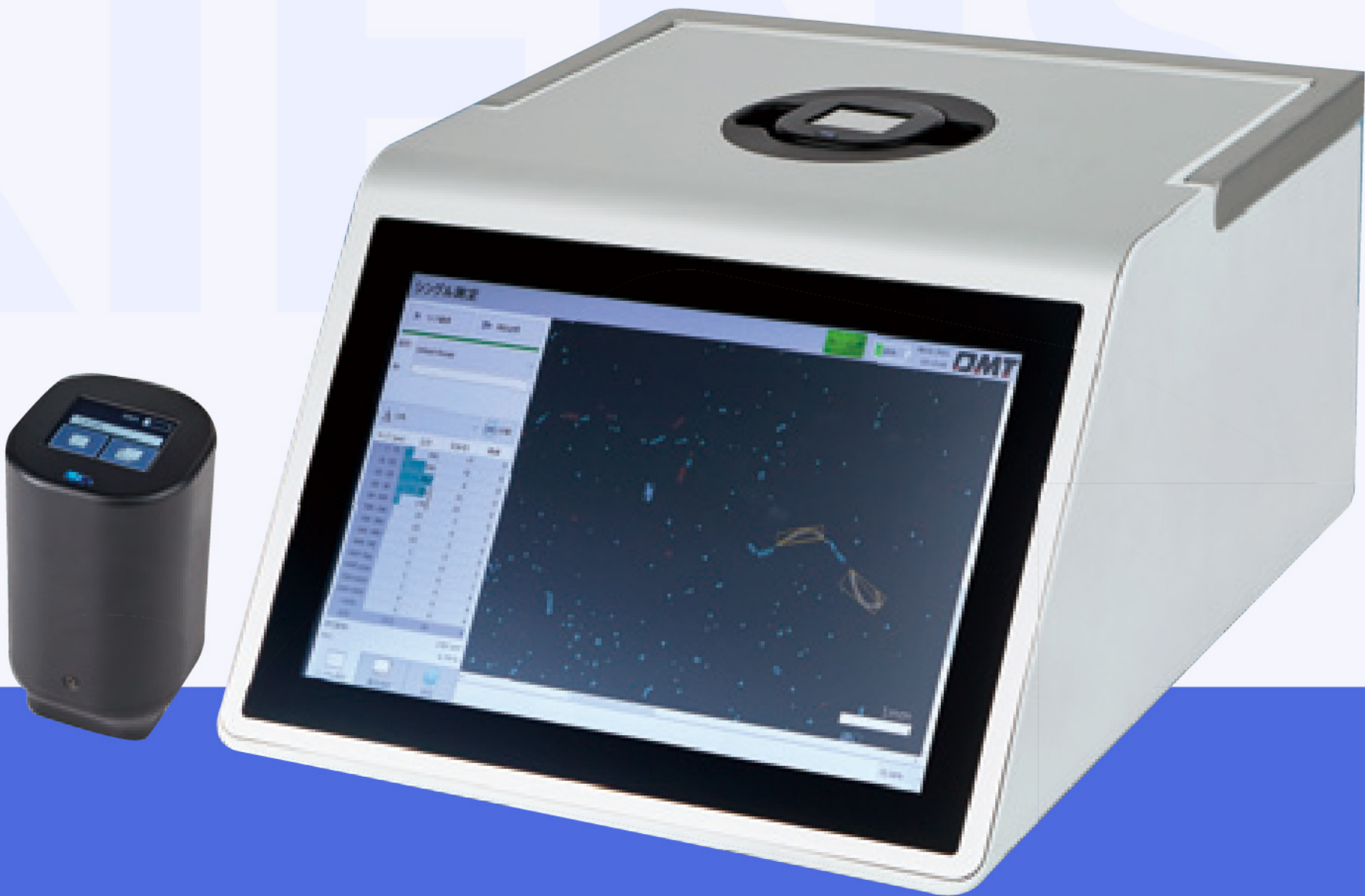
	recognoil 3W	表面张力测试 Surface tension test	红外表 Infrared	UV点 UV point	UV视觉 UV vision	特殊实验室方法 Special laboratory methods
更大的测量区域 Larger measurement area	✓	/	/	/	✓	/
污染定位 Pollution localization	✓	/	/	/	✓	/
客观性 Objectivity	✓	/	/	/	/	✓
再现性 Reproducibility	✓	/	✓	✓	/	✓
紧凑、便携的设计 Compact and portable design	✓	✓	✓	✓	✓	/
易用性 Usability	✓	✓	/	✓	✓	/
结果存档 Result archiving	✓	/	/	✓	/	✓
自动生成的报告 Automatically generated report	✓	/	/	/	/	/



PartSens

PartSens可以量测任何你想取样的表面,例如:从无尘室的前厅、空气浴尘室、工作桌机台裡外、工作服装、手套、甚至墙面。它可以直接用来评价空气浴尘室的成效,或是产品清洁改善效果。内建无线传输功能,方便移动取样。

PartSens can measure any surface you want to sample, such as the lobby of a clean room, air shower, inside and outside of workstations, work attire, gloves, and even walls. It can be directly used to evaluate the effectiveness of air showers or the improvement of product cleanliness. With built-in wireless transmission capabilities, it is convenient for mobile sampling.



数秒内分析表面的
污染程度



按金/非金属性、纤维
特性分类, 颜色标识

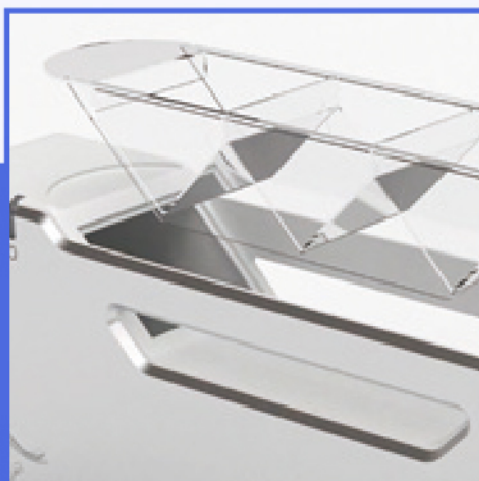


专用取样垫片原位分
析, 避免转运污染

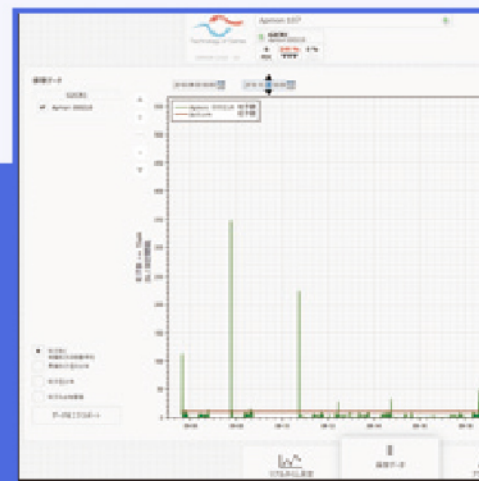
APMON

APMON数据化管理，实时监测粒子数量、大小以及粒子落下的动态过程，溯源操作行为，抑制 $5\mu\text{m}$ 以上粒子附着，满足欧盟GMP动态污染管理要求。

APMON data management enables real-time monitoring of particle quantity, size, and the dynamic process of particle deposition. It tracks source operations, suppresses the adhesion of particles larger than $5\mu\text{m}$, and meets the dynamic pollution management requirements of the EU GMP.



自动统计承载盘所接收到的「自然落下」的堆积粒子



每五分钟、自动监控 $15\mu\text{m}$ 以上的大型粒子之堆积状况。



解析颗粒大小与数量，对拟定改善对策大有帮助



03

行业应用

INDUSTRY APPLICATIONS

工业清洁度专家

INDUSTRIAL CLEANLINESS EXPERT

液冷行业
AUTOMOTIVE INDUSTRY



新能源
NEW ENERGY



汽车行业
AEROSPACE



航空航天
LIQUID COOLING



国防军工
NATIONAL DEFENSE AND
MILITARY INDUSTRY



工程机械
CONSTRUCTION
MACHINERY



电子半导体
ELECTRONIC
SEMICONDUCTOR

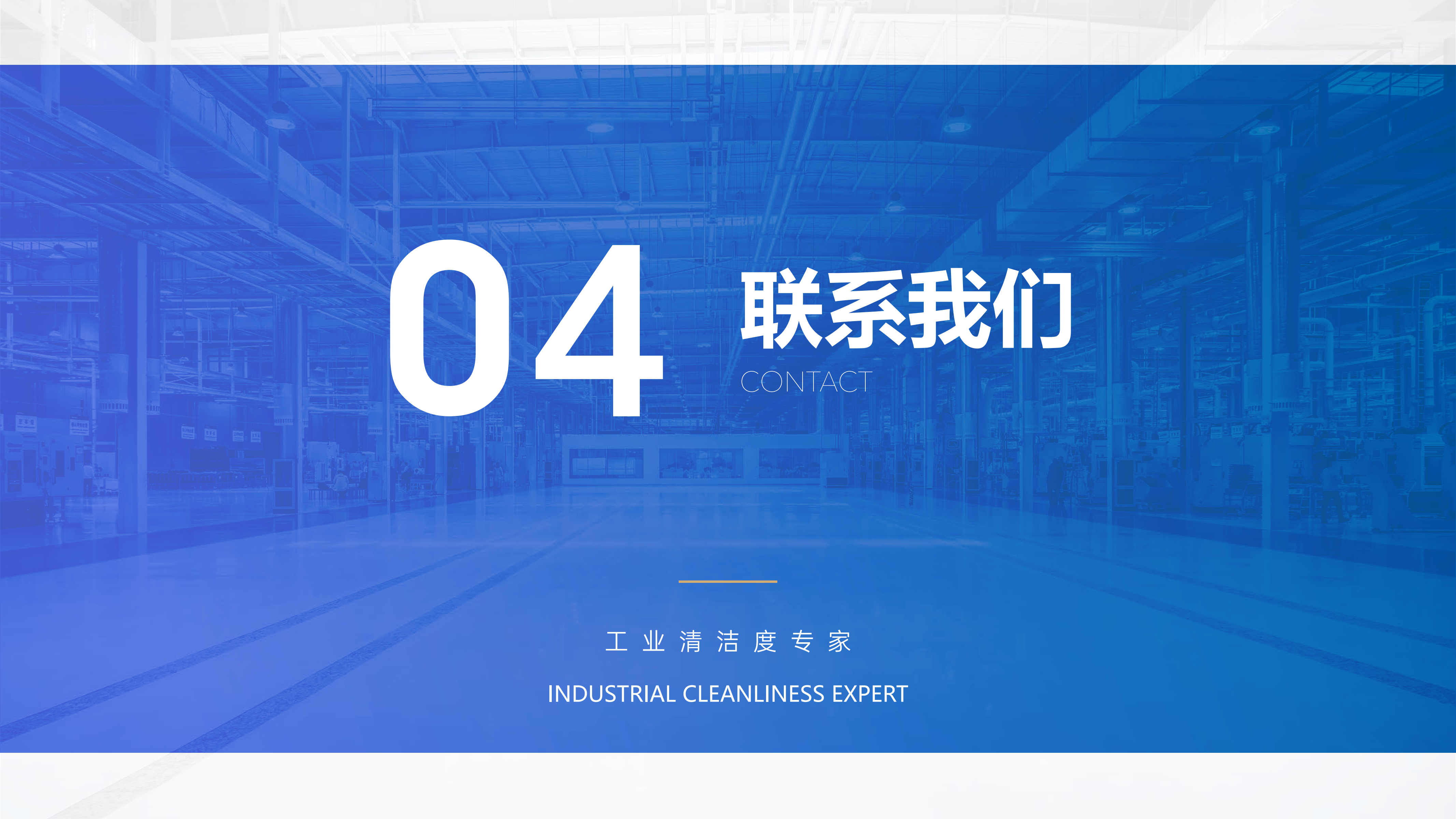


应用案例 APPLICATION CASE

XIENS 西恩士
optical solutions







04

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Thanks