

## 5) ScanStation – Real Time Incubation + Automated Colony Counting System

### Challenges:

Microbiology workflows require incubating plates for 48–72 hours, Transporting them one by one for manual or automated counting. This creates bottlenecks, subjective readings, and delayed detection of contamination. Major issue in QC where timely decisions matter. Microbiologists face inconsistent colony visibility, overgrown plates, and the need to repeat tests when colonies merge or spread.



### Solution:

The Interscience ScanStation addresses these challenges by combining incubation, time-lapse imaging, and automated colony counting in a single real-time system. It captures high-resolution images every 30 minutes, allowing early detection, growth-curve visualization, and instant notification of out-of-spec plates. By the time incubation is finished, all plates are already fully counted with traceable time-stamped data – eliminating end-point counting delays and reducing subjectivity dramatically.

### Key Features:

- Real Time colony Counting during incubation imaging
- Time-lapse imaging every 30 minutes for full traceability of microbial growth
- Detects colonies as early as 0.1 mm, preventing merging or overgrowth issues
- Generates growth curves & kinetic profiles for scientific and QC documentation
- Automated alerts for out-of-spec or abnormal colony development
- CFR 21 Part 11-ready software with audit trails, electronic signatures, and user control
- Handles up to 300 Petri dishes, ideal for large QC labs

Interscience, France

## 6) Bruker MALDI Biotyper Sirius One – Rapid Microbial Identification

### Challenges:

Biochemical and card-based identification systems often require long incubation time, multiple reagents, and frequent retesting – delaying investigations and batch decisions. Card systems struggle with environmental isolates, frequently giving 'low discrimination', 'no ID', or ambiguous results, forcing repeat testing and consuming costly cards. Depend on large consumable inventories, adding cost.



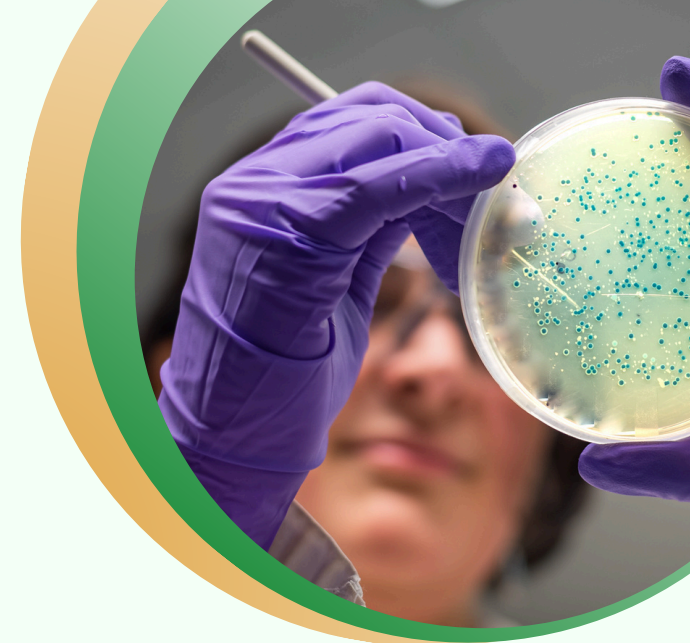
### Solution:

Bruker MALDI Biotyper overcomes these limitations using rapid mass fingerprinting, providing highly accurate microbial identification within minutes and without biochemical reactions. Its reusable stainless-steel target plates, minimal sample preparation, and CFR 21 Part 11-ready software streamlines QC workflows, accelerate investigations, and reduce consumable dependency.

### Key Features:

- ID in <2 minutes
- Reusable Stainless-steel target plate
- Ideal for QC labs
- Accurate proteomic fingerprinting
- Large environmental isolate library
- Minimal sample prep
- CFR 21 Part 11 compliant.

Bruker Daltonics GmbH



## QC Microbiology Solutions for Pharma

Precision • Speed • Traceability • Compliance

### Solutions for:

- Media Dispensing
- Automated Dilution & Plating
- AI based Colony Counting
- Real-Time Incubation & Colony Counting
- Rapid Microbial Identification with MALDI



Regd Office: Baid Mehta Complex,  
183, Mount Road, Chennai - 600 015. INDIA.

Mobile: +91 99406 12128 | Phone: 044 2220 0066/ 0166  
sales@labmateasia.com

www.labmateasia.com

## 1) FlexiPump – Media Dispenser for Petri Dishes & Tubes

### Challenges:

Manual media pouring often results in inconsistent volumes, thickness, contamination risk, and fatigue. These variations can affect colony spread, recovery, and plate comparability – concerns for QC microbiology.



### Solution:

FlexiPump delivers precise, reproducible dispensing using a sterile peristaltic system that eliminates variability. Ergonomic Handy Gun allows effortless filling of Petri dishes and test tubes with exact volume. FlexiPump gives reliable, ergonomic, contamination-free dispensing.

### Key Features:

- High-precision dispensing ( $\pm 1\%$ )
- Programmable volume presets
- Handy Gun for controlled dispensing
- Autoclavable tubing
- Compact, Fits in Laminar hoods
- Fast flow rates
- Simple digital control and program storage.

## 2) easySpiral Dilute – Automatic Diluter + Spiral Plater

### Challenges:

Serial dilutions are repetitive and prone to pipetting variability, especially with Bioburden and EM samples. The manual steps – pipetting, vortexing, changing tips – consume time, create waste & increase contamination risks.



Interscience, France

### Solution:

EasySpiral automates the dilution steps inside a closed, sterile system, guaranteeing accuracy and aseptic workflow. Plates the sample directly using a spiral pattern, eliminating multiple plates & pipetting. Automation improves reproducibility, reduces workload, cuts consumable costs, & increases throughput.

### Key Features:

- Automatic internal dilution
- Eliminates dilution tubes
- Reduces workload
- ISO-compliant spiral plating
- Large dynamic CFU range
- Closed sterile pathway
- Ideal for high-throughput testing.

## 3) Scan 50 Pro – Manual Digital Colony Counter

### Challenges:

Manual colony counting for TAMC / TYMC and EM plates is time-consuming and stressful, especially when colonies are faint or crowded. Paper tally counters offer no traceability & often lead to recounting during audits.



### Solution:

The Scan 50 Pro uses bright LED illumination, an ergonomic hand rest, and a sensitive counting pen. The audio-feedback headset ensures each colony is counted accurately without losing track. Its USB data export enables documentation & traceability.

### Key Features:

- Adjustable LED lighting
- Ergonomic pressure-sensitive pen
- Real-time digital display
- Audio-feedback headset

www.labmateasia.com

## 4) Scan 3000 Ai – Automated AI Colony Counter

### Challenges:

High colony loads, overlapping colonies, and fungal growth make manual counting inconsistent & subjective. Microbiologists must ensure speed and data integrity under GMP.



### Solution:

Scan 3000 Ai uses AI-driven image analysis and high-resolution imaging to eliminate subjectivity from colony enumeration. Each plate is counted in under one second, with annotated images retained for review and compliance. With CFR 21 Part 11-ready software, enhances reproducibility, traceability, and audit readiness.

### Key Features:

- High-resolution imaging
- AI detection
- <1 second per plate
- Works with all media
- CFR 21 Part 11 compliant
- Annotated image archiving
- Shadow-free lighting

### Other Products:

- Microscopes: Inverted / Upright / Stereo zoom / multiheaded microscopes
- Freeze Dryers, Centrifuges
- Tissue Homogenisers
- Bioreactors, Incubator Shakers
- Electroporators

Interscience, France