The **Real-Time** Revolution!

ScanStation

Real-time incubator and colony counters

interscience

interscience

- More than 45 years of microbiology expertise
- Colony counting specialist, from manual to automatic counters
- Designed and manufactured in France

SCIENTIFIC
EQUIPMENT
MANUFACTURER

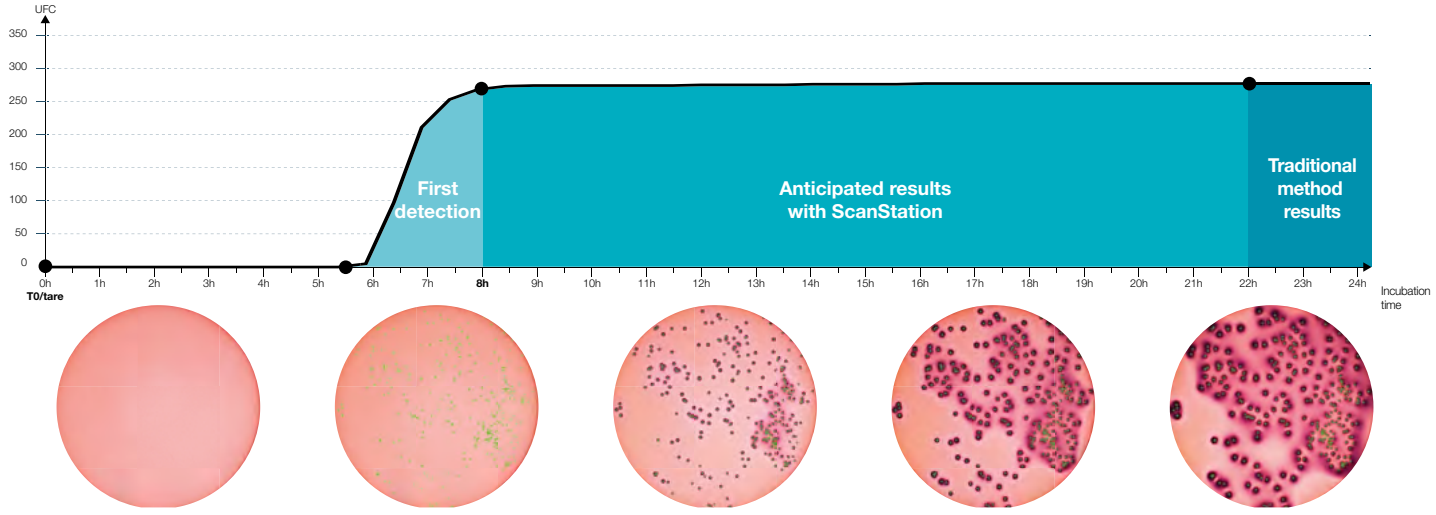
MADE IN FRANCE

Get early results

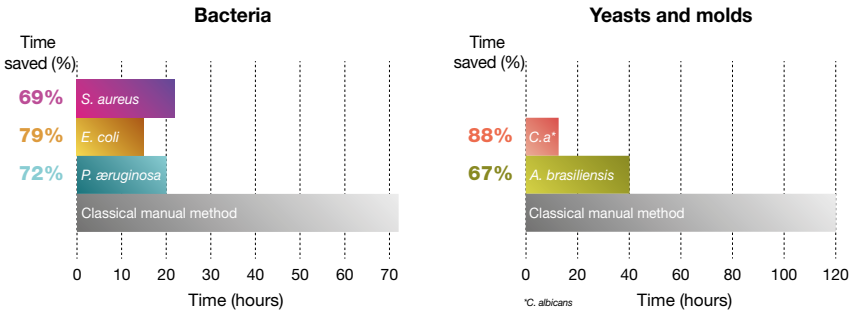
ScanStation is a real-time incubator and colony counting station centralizing **incubation, detection and counting of up to 300 Petri dishes simultaneously.**

With **ScanStation** technology, **monitor bacterial growth in your analyses in real time**. Colonies are detected and counted as soon as they appear, significantly reducing the time needed to obtain results, up to **three times faster than the traditional method**.

E.g. below: *Coliforms* on VRBL agar incubated at 37 °C



Reduced Time to result

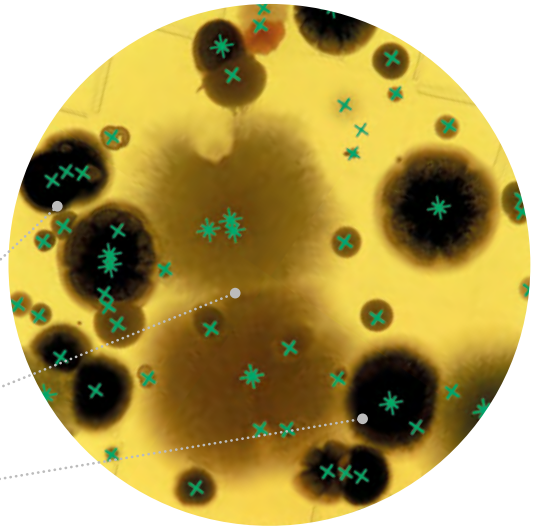


Manage better the quality of your production with **ScanStation**, **releasing batches more quickly** and without any bacteriological risk for the consumer.

Manufacturing risks associated with bacterial contamination are **significantly reduced**, and production quality is under control.

Improve the accuracy of your analyses

- **Typical counting accuracy of up to 98%**
- **Classification of molds by AI**
- **Differentiation between bacteria and mold**



Automation in the laboratory: a major challenge

Combine traditional methods with rapid methods and anticipated results, while keeping operating costs to a minimum.

Adopt real-time monitoring to help rapid detection of potential environmental and product contaminants in compliance with GMP Annex 1.

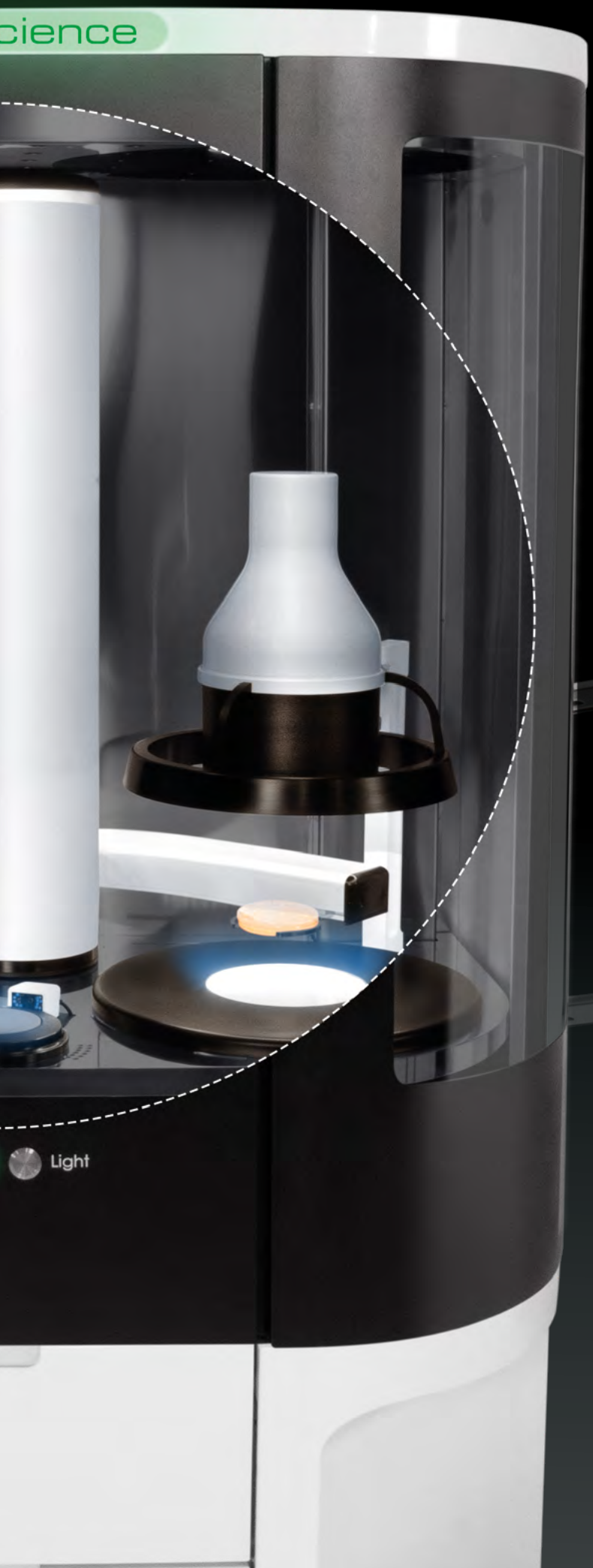
Load up to 300 Petri dishes

Batch or continuous loading

Visual control of the analysis in progress

Code reading on Petri dishes
barcode/datamatrix

PATENTS PENDING



Automated launch of analyses

24/7 operation

Bidirectional connection to LIMS via webservice

Secure door opening

Stay connected to your lab

myScanStation app

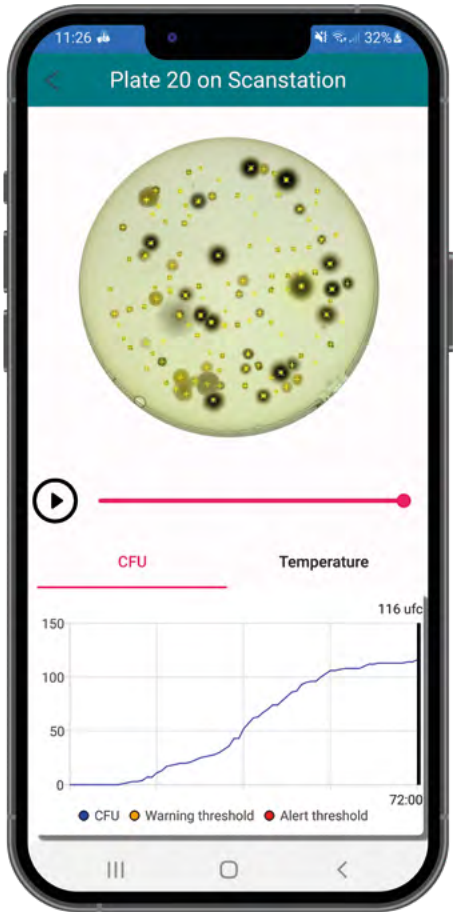
The **Connect Module** sends alerts by email and allows you to access **ScanStation** results remotely through **myScanStation** mobile app. You can connect **ScanStation** to your LIMS.

Visualize your analyses remotely

View and validate analyses wherever you are. Load Petri dishes and navigate **myScanStation** application to visualize bacterial growth.

Instant notifications

Be immediately informed of temperature peaks, exceeded count thresholds or the presence of a contaminant by email or on **myScanStation** application.



Download on the App Store

GET IT ON Google Play

Digitize your data

All your data on the Petri dish

Controlled by data**Link** pro, the semi-automated labeling on the edge of the plate facilitates identification of Petri dishes for the microbiological analysis chain, and is particularly well-suited to large-scale production runs.

ScanStation's integrated reader identifies the code on the Petri dishes' label, enabling personalized tracking of each plate in the carousel. Information is transmitted to the LIMS via a bidirectional connection.

Security and compliance

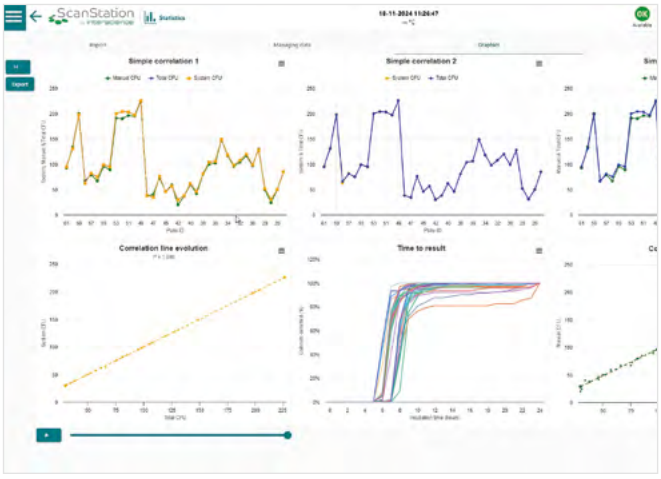
ScanStation enables you to dematerialize your data while guaranteeing its integrity and protection.

Compliant with 21 CFR Part 11 and GMP Annex 11 standards, the system ensures complete traceability thanks to account management, electronic signatures and audit trails.

Analyze your results

Get a complete overview of results with the statistics module.

View results by batch, sampling area or sample type. Time lapse videos, correlation curves and time to result are available for in-depth analyses.

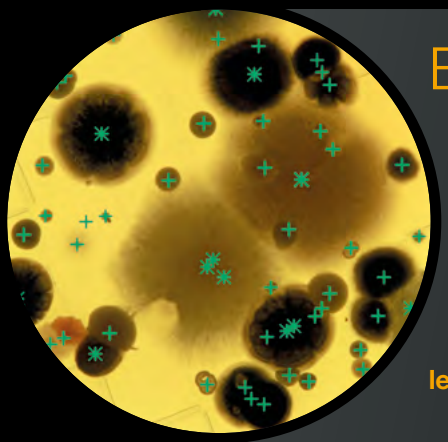


Keep your current analytical protocols and speed them up

Our automation system is designed to integrate with your current process.

Keep your Petri dishes, associated equipment and consumables validated.

Analyze all types of culture media on 55-90 mm Petri dishes (surface, bulk, spiral), filtration membranes, contact plates.

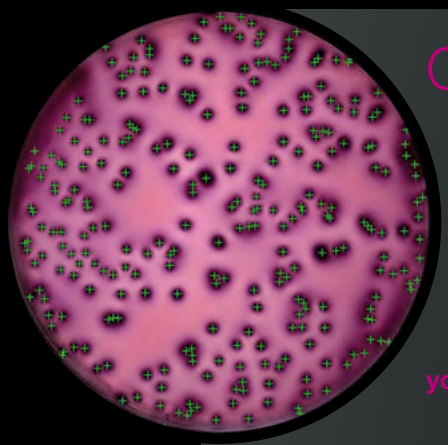


Environmental monitoring (EM)

Environmental control (surface, air, water) plays a fundamental role in ensuring quality throughout the production process.

In the monitoring of environments (EM) classified as A, B, C or D, rigorous control is necessary. Non-compliance can result in batch losses, production delays and compromised consumer safety. The process of validating results can be complex.

Discover how ScanStation can optimize the verification of the cleanliness level of environments.

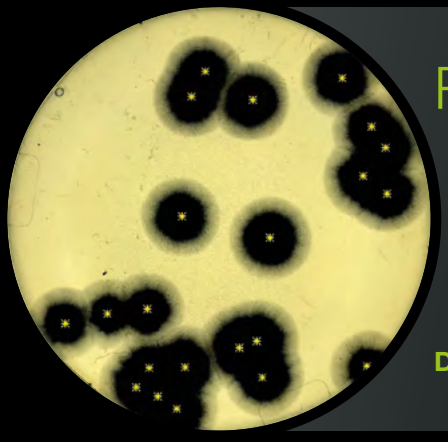


Quality control (QC)

Quality control involves many challenges: ensuring the conformity of finished products, guaranteeing the quality of raw materials, validating fertility tests and the sterility of media, and controlling bioburden.

Microbiological contamination can lead to batch losses and compromised consumer safety. The diversity of bacterial and fungal flora can be complex to manage.

Discover how ScanStation optimizes your analytical processes and improves your productivity.



R&D

Microbiology is at the heart of R&D: challenge testing, aging studies, validation of analytical protocols.

It enables the assessment of microbiological contamination risks and the optimization of formulations.

The traceability of the various analyses in R&D requires rigorous organization.

Discover how ScanStation can optimize R&D research.

Reduce Time to result

- Detection and counting of colonies as soon as they appear
- Real-time management and analysis of results
- Reduction of production risks associated with contamination
- Faster batch release

This risk management makes it a cost-effective solution for improving the quality and safety of your products.

Digitization of results

- Analysis and validation of results by batch
- Account management, electronic signatures and audit trails
- Compliant with 21 CFR Part 11 and GMP Annex 11

ScanStation allows you to digitize your data while guaranteeing its integrity and protection.

Mold detection with AI

- Avoids false positives
- Eliminates inaccuracy caused by spread or confluent colonies
- Ensures accurate results

The artificial intelligence of ScanStation V9 software enables the detection of mold and differentiation from bacteria at an early stage of incubation.

Remote connection

- Remote viewing and validation of results
- Instant notifications in case of suspicious results
- Two-level threshold alerts

Automated environmental monitoring minimizes production interruptions and enables connection at your convenience.

Improvement in accuracy

- Typical counting accuracy up to 98%

Our image fusion algorithm, specifically designed to improve contrast, enables accurate detection of microorganisms.

Automation of analysis

- Standardization and reliability of analyses
- Compliant with current standards
- Bidirectional connection to LIMS
- Automates sorting of negative/positive plates

By automating repetitive and tedious tasks, you minimize production interruptions and free up time for your teams.

Our technical and application experts are here to support you

Installation and qualification

From installation to **IQOQ qualification**, we guarantee rapid deployment on your premises.

Our application experts are on hand to help you settle **ScanStation** into your analytical protocol.

Service offers

Ensure ongoing performance of your equipment, cover it against unexpected failures and choose the formula most adapted to your needs: **Warranty extension, Simple care, Global care.**

Modules & accessories

Data integrity module

Data Integrity module is for accounts management, electronic signatures, audit trail and results validation functions on ScanStation.

Ref. 800 700

Connect module

The Connect Module allows you to receive alerts by email, access the ScanStation results remotely with the mobile app and connect ScanStation to a LIMS.

Ref. 800 800

Stats module

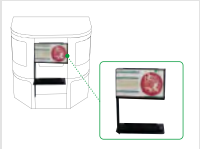
The statistics module displays the vizualisation of results with statistics and graphs.
It is necessary for the product qualification.

Ref. 800 900

Lateral stands for screen and keyboard

1 keyboard shelf support + 1 screen support on articulated arms for ScanStation. They allow the height and orientation of the keyboard and screen to be adjusted. Position: right or left side of the ScanStation

Ref. 439 110



Central stands for screen and keyboard

1 keyboard shelf support + 1 screen support for ScanStation. They allow the height of the keyboard and screen to be adjusted. Position: front side of the ScanStation

Ref. 439 111

Storage furniture

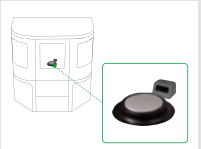
ScanStation furniture for PC and accessories storage

Ref. 439 120

Uninterrupted power supply

Protection in case of power failure for ScanStation

Ref. 439 140 (220V)
Ref. 439 145 (110V)



Petri dish automatic identification kit

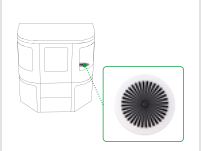
Bar-code (1D) and datamatrix (2D) reader with a turntable for automatic identification of Petri dishes with ScanStation

Ref. 439 170

Disinfection unit

The nebulizer is placed inside the ScanStation and disinfects with H_2O_2 (to avoid cross contamination)

Nebulizer - **Ref. 439 060**
Stand for nebulizer - **Ref. 439 061**
Disinfectant for nebulizer - **Ref. 439 062**



Test pattern

Test pattern to check camera sharpness and centering

Ref. 439 192

Optical cleaner + wipes

Optical cleaner and 50 wipes

Ref. 435 702

Set of adaptors

Set of 16 adaptators for Petri dishes and contact plates

Ref. 439 021

Adaptor for contact plate x10

Ø 64.5 mm - **Ref. 439 043**
Ø 65 mm - **Ref. 439 040**
Ø 67 mm - **Ref. 439 042**

Adaptor for Petri dishes x10

Ø 54 mm - **Ref. 439 022**
Ø 55 mm - **Ref. 439 023**
Ø 56 mm - **Ref. 439 024**
Ø 57 mm - **Ref. 439 025**
Ø 58 mm - **Ref. 439 026**
Ø 59 mm - **Ref. 439 027**
Ø 60 mm - **Ref. 439 028**
Ø 61 mm - **Ref. 439 029**
Ø 62 mm - **Ref. 439 030**
Ø 63 mm - **Ref. 439 031**
Ø 64 mm - **Ref. 439 032**
Ø 65 mm - **Ref. 439 033**
Ø 66 mm - **Ref. 439 034**

Technical specifications

	ScanStation 100	ScanStation 200	ScanStation 300
OVERVIEW			
Reference	**439 100**	**439 200**	**439 300**
Bacterial growth monitoring	✓	✓	✓
Molds detection with AI	✓	✓	✓
Remote access (included in Connect Module)	✓	✓	✓
Automatic Petri dish identification	✓	✓	✓
LIMS connection (included in Connect Module)	✓	✓	✓
Compatible with dataLink pro traceability system	✓	✓	✓
High processing capacity for Petri dishes	-	-	✓
Telecentric lens for accurate counting around the edges of Petri dish	-	-	✓
ANALYTICAL PROTOCOL			
Capacity	100 Petri dishes	200 Petri dishes	300 Petri dishes
Reading time in between Petri dishes	30 minutes or 1 hour	30 minutes or 1 hour	1 hour
Loading strategy for Petri dishes	Batch mode or continuous loading		
Max. incubation time	10 days		
Camera resolution	5 megapixels		
Type of plating accepted	Pour plate, surface, Spiral, filtration membrane, air sampling, contact plate, Petrifilm™		
Petri dish size	Ø 85-96 mm and Ø 54-67 mm with adapter (right-side up or upside down)		
INCUBATION			
Incubation temperature	20 °C to 45 °C (68 °F to 113 °F)		
Temperature resolution	± 0.1 °C		
Incubation temperature accuracy	± 1 °C (according to FX15-140 standard)		
Recording temperature	Every minute		
Heating and cooling technology	Peltier modules, compressor free		
SOFTWARE			
ScanStation Software	Web application, Mobile application (included in Connect Module)		
Languages	English, French, Japanese, Chinese, Spanish, German		
Video player	Play, zoom, pause, replay, during and after incubation		
Included computer system	Windows 11 LTSC IoT Tower PC with Intel i7 processor		
Screen	23-inch touch screen		
Automatic export of Petri dishes	mp4, jpg, CSV compatible Excel™		
Image storage capacity	5 years(1)	2 years(1) (30-min recurrence) 5 years(1) (1-h recurrence)	2 years(1)
In compliance with	21 CFR Part 11		
ENVIRONMENT			
Storage conditions	5-40°C with max. 80% relative humidity up to 31°C and linear decrease to 50% at 40°C		
Terms and conditions of use	In a ventilated room, between 18 °C and 25 °C (64.4 °F and 77 °F), max. altitude 2000 m		
Warranty	1 year	1 year	1 year
Spare parts availability	10 years	10 years	10 years
ELECTRICAL SPECIFICATIONS			
Power supply without UPS	100-240V~50/60Hz / Input1(Machine): 11.5A / Computer + Screen: 4.5A		
Power supply with UPS	100-125V~50/60Hz (with 110V UPS) / Input1: 11.5A / Input2: 4.5A 200-240V~50/60Hz (with 220V UPS) / 13 A		
WEIGHT AND DIMENSIONS			
Dimensions (w x d x h)	135.3 x 82.3 x 143.5 cm	135.3 x 82.3 x 174.5 cm	135.3 x 82.3 x 198.5 cm
Net weight	355 kg	408 kg	444 kg
Box (w x d x h)	168.6 x 96 x 226 cm	168.6 x 96 x 226 cm	168.6 x 96 x 226 cm
Gross weight: ScanStation	533 kg	587 kg	622 kg

(1) Minimum value, may increase depending on settings

Delivered with: 1 computer with power cable, 1 Wi-Fi antenna connected to the computer, 1 monitor with power cable, 1 Display Port cable, 1 USB 3 cable, 1 wireless keyboard, 1 wireless mouse, 1 dongle for keyboard and wireless mouse, 1 mains power cable, 1 temperature map, 1 user manual, 1 maintenance kit including 1 optical cleaner bottle and 1 grease pump, 1 test pattern, 1 conformity certificate / warranty card

Certified production

WEEE 2002/96/EC · RoHS 2002/95/EC · MADE IN FRANCE · CE

Product made for INTERSCIENCE by Interlab, an ISO 9001 certified company.

Talk to an Application Specialist

myScanStation.com

Your local distributor

interscience

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