



MVC[®] FFLEX

The Next Industry-Standard
Fingerprint Fuming Cabinets

foster+freeman

MVC® FFLEX

Rapid Forensic Screening and Imaging to Meet the Demands of Busy Laboratories

For more than 20-years, MVC fuming cabinets have set the benchmark for performance and reliability as the dependable workhorses of forensic laboratories worldwide.

Updated with impressive new features, the MVC FFLEX Range builds on that tried and trusted technology offering innovative new user-focussed features to optimise results, increase laboratory efficiency, and provide complete end-to-end control of the entire fingerprint development process.

Optimise Results with Smart Process Management

Providing semi-automated or full manual control of the entire fingerprint development process, MVC FFLEX cabinets measure, monitor and record every process variable to ensure optimal development of every single fingerprint.



Put User Wellbeing First with Advanced Safety Features

Comprehensive safety measures minimise all potential risks and hazards associated with the cyanoacrylate fuming process putting the safety of laboratory staff first.

Invest in Long-Term Performance with Unmatched Durability

Renowned for build quality and longevity, foster+freeman MVC technology incorporates premium-grade components to deliver consistent, reliable performance even under demanding workloads.





MVC FFLEX **L**

An extra-large capacity cabinet to accommodate bulky items or facilitate batch-processing of evidence.

i Make use of the systems' adjustable shelving to improve cabinet access and reduce the strain of manual handling.

Capacity	2025 litres
External	(H)2210mm x (W)1504mm x (D)900mm
Internal	(H)2110mm x (W)1445mm x (D)665mm
Door Aperture	(H)2061mm x (W)761mm



MVC FFLEX **M**

A large capacity cabinet well-suited to the day-to-day tasks of laboratory fingerprint development.

i A natural upgrade for the MVC3000 cabinet, the MVCFFLEX M offers 35% greater internal capacity compared to its predecessor.

Capacity	835 litres
External	(H) 1780mm x (W) 1025mm x (D) 747mm
Internal	(H) 1284mm x (W) 956mm x (D) 709mm
Door Aperture	(H) 1163mm x (W) 650mm



MVC FFLEX **S**

A fully-featured compact cabinet suitable for use on a laboratory bench-top or in a mobile lab.

i Make use of the systems' adjustable shelving to improve cabinet access and reduce the strain of manual handling.

Capacity	323 litres
External	(H) 1112mm x (W) 722mm x (D) 643mm
Internal	(H) 874mm x (W) 652mm x (D) 604mm
Door Aperture	(H) 754mm x (W) 352mm

MVC® FFLEX

Trusted Technology for Consistent Fingerprint Development

Above all else, foster+freeman MVC Cabinets are trusted and relied upon to deliver high-quality results, developing crisp cyanoacrylate fingerprints time and time again.

Unlike competing technologies, MVC FFLEX fuming chambers provide the user with complete control and visibility of the entire fuming process.

By fine-tuning the fuming parameters and carefully monitoring the resulting marks, it is possible to ensure the highest possible quality of results is achieved every time the cabinet is run.

Automation Pre-Set Fuming Cycles

Use pre-defined (created by foster+freeman) or user-defined pre-set fuming cycles to improve efficiency and speed up repetitive tasks. Simply input the quantity of glue being used and allow the system to take charge of the rest.

Manual Control Fine-Tune Fuming Parameters

Under manual control, each phase of the fuming and development process can be initiated separately, with the operator being able to extend or terminate the fuming process in order to achieve the best possible results.

Manually adjustable parameters include:

Glue Type

Glue Quantity

Glue Temperature

Glue Time



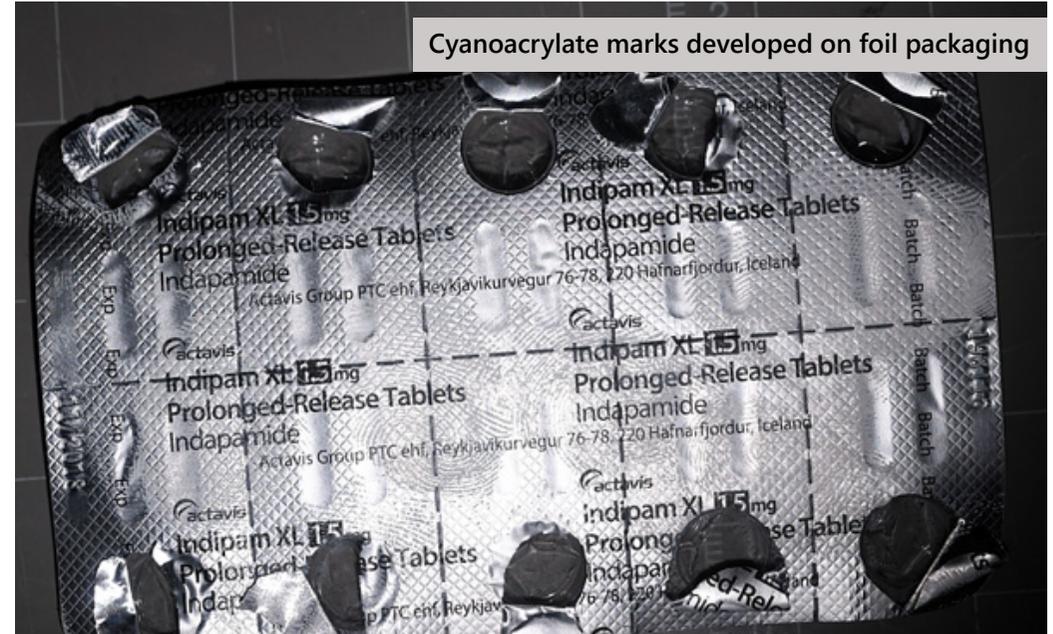
Relative Humidity

Dwell Time

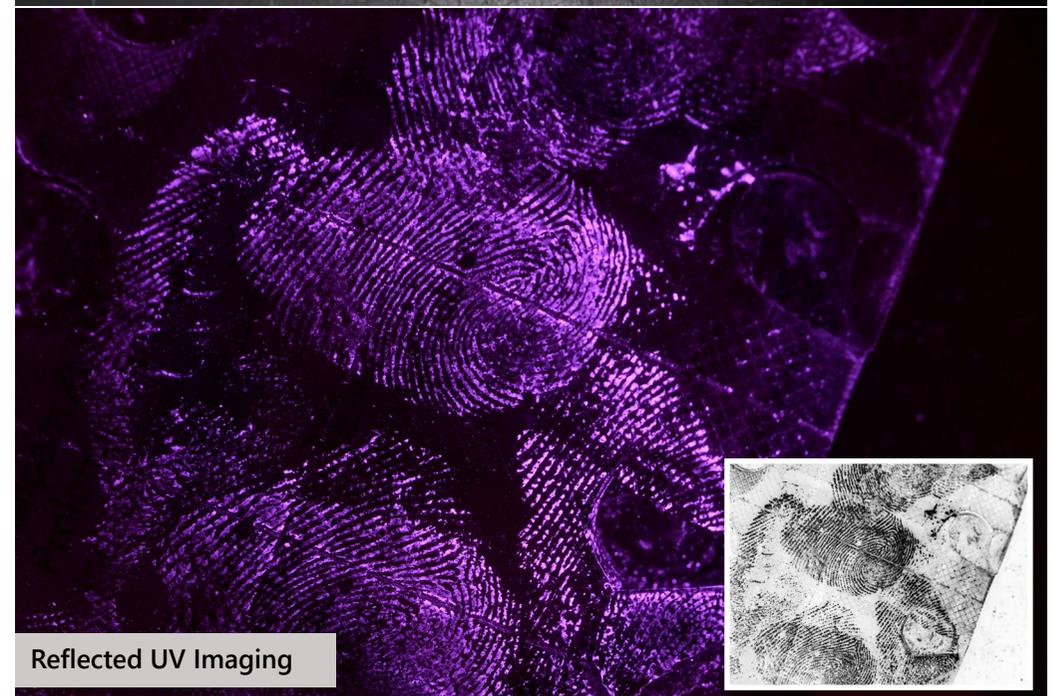
Purge Time

Cycle Duration

Cyanoacrylate marks developed on foil packaging



Visible Illumination



Reflected UV Imaging

Optimise Results with End-to-End Process Monitoring

Track all fuming variables, including reagent heating, airflow circulation, and relative humidity (RH) at every stage of the development cycle for optimum results.

Data Logs may be stored and viewed via the MVC FFLEX touchscreen interface or exported via USB to be opened via the systems' companion software. Record up to 128 data logs per day for inclusion in comprehensive PFD reports.



ISO-Ready Data Logging

Track and record all process parameters to create detailed case records for validation and traceability. Logged data can be used to optimise laboratory protocols, identify trends, and ensure the integrity of fingerprint evidence.



Case Data Capture Barcode Scanner

Scan MVC FFLEX Validation Targets and evidence tag barcodes for inclusion within the cycle log for audit trail purposes.

This USB connected barcode scanner reads all types of barcode and is suitable for use with Validation Targets.



Performance Validation FFLEX Targets

Single-use strips are dosed with a proprietary solution that develops in the same manner as fingerprints.

A simple and effective solution to validate the integrity of the cyanoacrylate fuming process, targets should be placed in the cabinet during every fuming cycle.

PAT. GB2205397.9



Data Log Contents includes:

Unique Log ID	Start Date/Time	Glue Type	Glue Temperature
Chamber Humidity	Cycle Duration	Filter Health	Process Auto/Manual
Preset	User Notes	Error Logs	Barcode Entry
Software Version			

Modernise your Laboratory Workflow by Upgrading to MVC FFLEX

While many original foster+freeman MVC cabinets continue to deliver consistent results on a daily basis, laboratories that choose to upgrade to the FFLEX generation of cabinets can expect to benefit from multiple new and improved features designed to enhance the laboratory workflow.



MVC 1000 to MVC FFLEX S

MVC 3000 to MVC FFLEX M

Increased Capacity

Across the range, MVC FFLEX cabinets offer significantly increased capacity allowing more evidence to be processed.

Touchscreen Interface

Take complete control of the fuming cycle whilst logging and recording every parameter and variable of the process.

3-Point RH Monitor

Monitor and log relative humidity at 3-points within the cabinet to ensure optimum develop conditions.

Operator Safety

MVC FFLEX cabinets take operator safety to the next level through the introduction of features including brightly illuminated cabinet status indicators.



MVC 5000 Upgrade Kit now available

Replace the door of any existing MVC5000 cabinet for an instant upgrade to the full MVC FFLEX L specification.

Contact info@fosterfreeman.com for further information.

Cabinet Specification:

MVC FFLEX **S**

Order #	MVC/FFLEX/S (Standard Interior) MVC/FFLEX/S/SS (Stainless Steel Interior)
Capacity	323 litres
External	(H) 1112mm x (W) 722mm x (D) 643mm
Internal	(H) 874mm x (W) 652mm x (D) 604mm
Door Aperture	(H) 754mm x (W) 352mm

MVC FFLEX **M**

Order #	MVC/FFLEX/M (Standard Interior) MVC/FFLEX/M/SS (Stainless Steel Interior)
Capacity	835 litres
External	(H) 1780mm x (W) 1025mm x (D) 747mm
Internal	(H) 1284mm x (W) 956mm x (D) 709mm
Door Aperture	(H) 1163mm x (W) 650mm

MVC FFLEX **L**

Order #	MVC/FFLEX/L (Standard Interior) MVC/FFLEX/L/5000UPGRADE (door only)
Capacity	2025 litres
External	(H)2210mm x (W)1504mm x (D)900mm
Internal	(H)2110mm x (W)1445mm x (D)665mm
Door Aperture	(H)2061mm x (W)761mm

Common Features:

Evidence Fuming	
Operating Modes	Manual and Automatic
Humidity Level	Variable from 60 to 90%
Humidity Accuracy	Includes 3x multi-point RH sensors
Temperature (Auto)	Preset to 120°C or 230°C
Temperature (Manual)	Variable from 100°C to 230°C
Glue/Fuming Agent	Suitable for use with all commercially available cyanoacrylate products.

End-User Safety	
Cabinet Status Indicators	High-visibility status illumination <ul style="list-style-type: none"> • White = Active (fuming in process) • Amber = Non-critical warning • Red = Error • Green = Fuming cycle complete
Filter System	Intelligent 2-stage filter cartridge <ul style="list-style-type: none"> • Dynamic filter saturation • High adsorption activated carbon • Variable lifetime

Data Logging	
Interface	7" colour touchscreen display <ul style="list-style-type: none"> • Full control of cabinet functions • Realtime process monitoring • Display usage and diagnostics
Data Logging	Record and store cabinet usage logs <ul style="list-style-type: none"> • Unique log ID • Barcode entry • Process variables • User notes

Cabinet Accessories:

Optional Accessories	
UV Decontamination MVC/FFLEX/S/UVKIT MVC/FFLEX/M/UVKIT MVC/FFLEX/L/UVKIT	The UV kit utilises shortwave UVC-254nm irradiation to ensure efficient, chemical-free decontamination of the internal MVC FFLEX cabinet surfaces.
Barcode Kit MVC/FFLEX/BARCODEKIT	Enables FFLEX Validation Targets and many evidence tag barcodes to be scanned into the data log.
MVC FFLEX Targets MVC/FFLEX/FFLEXTARGETS	300x single-use FFLEX process validation targets.

Consumables	
MVC FFLEX User Kit MVC/FFLEX/USERKIT	<ul style="list-style-type: none"> • 12 x 20g bottles Cyanobloom • 10g sample pot PolyCyano UV • 6x 50pcs MVC FFLEX Targets • 300x Foil dishes • 4x Activated Carbon Filters • 4x Dye Filters
Activated Carbon Filters MVC/FFLEX/FILTER	<ul style="list-style-type: none"> • 1x intelligent filter cartridge • Supplied in cardboard sleeve
Dye Filters MVC/FFLEX/DYEFILTER	<ul style="list-style-type: none"> • 10x fabric dye filters • Extends carbon filter life



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Ready to find out more?



fosterfreeman.com/fingerprint-evidence/

foster+freeman UK
info@fosterfreeman.com
+44 (0)1386 768 050

foster+freeman USA
usoffice@fosterfreeman.com
888 445 5048

foster+freeman EU
de.sales@fosterfreeman.com
+49 (0)210 255 76 525

foster+freeman NL
nl.sales@fosterfreeman.com
+31 (0)6 1114 3858

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