

# CyanoFume FCC171

## FORENSIC CYANOACRYLATE CABINET



### SAFE, AUTOMATED DEVELOPMENT OF LATENT FINGERPRINTS ON NON-POROUS SURFACES FOR HIGH QUALITY EVIDENCE

Developed by experienced forensic scientists, the **CyanoFume FCC171** provides the latest, safest technology for developing latent fingerprints on non-porous surfaces using cyanoacrylate vapour.

The FCC171 provides a proven, controlled process for heating and evaporating cyanoacrylate (“superglue”) to produce fumes which are fan-circulated evenly through the cabinet. Greasy or moist latent fingerprint ridges on exhibits react with the fumed vapor to form a visible, white polymer.

#### TOP QUALITY RESULTS

- ✓ Electronic control ensures effective performance and reliable results
- ✓ Menu of optimum fuming selections for common exhibits
- ✓ Efficient fume circulation enhances high quality print development
- ✓ Excellent print clarity achieved without need for complex humidity control

#### PRECISE, USER FRIENDLY OPERATION

- ✓ Display panel shows sequential step-by-step prompts
- ✓ Clear visibility of exhibits assists user to monitor process effectively
- ✓ User can shorten, extend or stop fuming progress
- ✓ Disposable cyanoacrylate containers prevent residue buildup
- ✓ Comprehensive User’s Guide provided

#### SAFETY ASSURANCE

- ✓ Electric door latch prevents accidental discharge of fumes from the sealed cabinet
- ✓ Fail-safe temperature control maintains evaporative process within safe limits
- ✓ Exhaust/purge phase cannot be bypassed even if power fails

#### CONVENIENT TO USE

- ✓ Built-in overhead lamp to illuminate exhibits
- ✓ Self-supporting full-width shelves, top and bottom, slide out for easy placement of exhibits
- ✓ Tool provided to make disposable cyanoacrylate containers from readily available aluminium foil

#### MODELS AND OPTIONS

- ✓ FCC171-D model has ducted fume extraction and must be connected to an external exhaust facility
- ✓ FCC171-C model has integral ductless fume purging using an activated carbon filter
- ✓ Optional additional exhibit tray
- ✓ Optional convenient bench-height aluminium stand

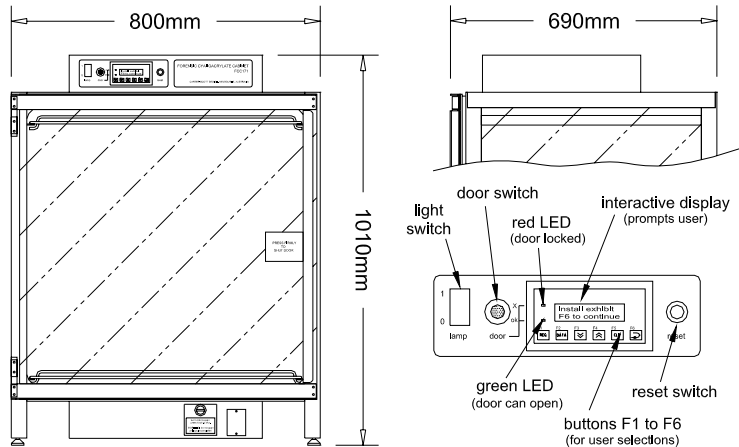


*Cabinet mounted on  
optional bench-height  
aluminium stand*

**CyanoFume FCC171  
FORENSIC CYANOACRYLATE CABINET**

The FCC171 has a rigid anodised aluminium frame and aluminium panels.  
The door is toughened safety-glass.

The FCC171 is normally set up on a bench or table,  
or can be mounted on the optional accessory stand.



**Specifications**

**Operational phases**

1. Evaporative phase, fixed in duration, then automatically proceeds to Fuming phase.
2. Fuming phase has a time range of 1 minute to 16 hours, can be extended or terminated, and automatically proceeds to Exhaust/Purge phase. User can also select from a menu of five pre-set fuming options that provide high quality results with particular types of exhibits e.g. exhibits that are fresh or exhibits that have been exposed to dry rather than wet environmental conditions.
3. Exhaust/Purge phase is fixed in duration and performs ten complete air changes of the cabinet.

**Power supply**

**Displays**

240VAC/50Hz or 110VZC/60Hz, 300VA

Interactive 32 character alphanumeric LCD with six function buttons

Red LED to indicate cabinet door is locked during operation.

Green LED to indicate cabinet door can be opened.

**Internal air circulation**

Fan assisted

**Additional safety features**

Cabinet remains locked throughout operation until exhaust is complete.

Alarm sounds if heater drawer is accessed during operation.

Thermal switch stops heater if temperature exceeds the safe maximum.

Outlet accommodates 76mm inside diameter flexible ducting

**FCC171D: Externally ducted exhaust**

Activated carbon filter, replaceable

**FCC171C: Integral ductless fume purging with filter**

Electronic prompt for servicing after 50 cycles

Operation frozen if not serviced after 75 cycles

**Cabinet**

**Internal dimensions**

780W x 640D x 780H mm (30.5W x 25D x 30.5H inches)

Diagonal=1275mm (50 inches) Volume = 0.39 m<sup>3</sup> (13.8 cu.ft)

**External dimensions**

800W x 690D x 1010H mm (31.5W x 27D x 39.5 inches)

**weight**

55 kg

**Shipping crate**

990W x 850D x 1200H mm (39W x 33.5D x 47H inches)

**dimensions/weight**

105kg

**Accessory Stand,AS71**

**Dimensions**

800W x 650D x 750H mm (31.5W x 25.5D x 29.5H inches)

**Construction**

Anodised aluminium, open frame

Specifications subject to change without notice.

Available from: