



Livingstone Laboratory Specification Document

Bench-top Photocopier, Printer & Scanner (All-in-One)

1. General Requirements

Feature	Specification
Device Type	Bench-top, multifunction (3-in-1): Colour Printer, Scanner, and Photocopier
Intended Use	Suitable for medical laboratory environments (non-patient-facing)
Usage Volume	Medium to high volume (up to 5,000 pages/month)
Build	Compact, robust, chemical-resistant casing; suitable for bench-top use
Colour Capability	Full colour and mono (black & white)

2. Printing Functionality

Feature	Specification
Technology	Laser or LED (preferred for durability and speed)
Print Speed	≥ 25 pages per minute (ppm) in both mono and colour
Print Resolution	≥ 1200 x 1200 dpi
Paper Sizes Supported	A4, A5, Letter, Legal
Paper Types Supported	Plain, glossy, matte, labels
Duplex Printing	Automatic duplex (double-sided) printing

3. Scanning Functionality

Feature	Specification
Type	Flatbed scanner with ADF (Automatic Document Feeder)
Scan Resolution	≥ 600 x 600 dpi (optical), enhanced ≥ 1200 dpi
Scan to Options	Email, USB, Network Folder, PC
Supported Formats	PDF, JPEG, PNG, TIFF
ADF Capacity	Minimum 30 pages

4. Copy Functionality

Feature	Specification
Copy Speed	Same as print speed: ≥ 25 ppm
Copy Resolution	≥ 600 x 600 dpi
Reduction/Enlargement	25% to 400%
Multiple Copies	Up to 99 copies per cycle



5. Connectivity & Integration

Feature	Specification
Connectivity	USB 2.0/3.0, Ethernet LAN, Wi-Fi (802.11 b/g/n), Wi-Fi Direct
Mobile Printing Support	Apple AirPrint, Google Cloud Print, Mopria, Manufacturer Mobile App
Operating System Compatibility	Windows, macOS, Linux
Network Protocols	TCP/IP, SNMP, HTTPS
Driver Support	Universal print driver; automatic update support

6. Consumables & Maintenance

Feature	Specification
Toner Cartridges	Separate CMYK toners, high-yield options available
Maintenance Kit Availability	Available and locally supported
Average Toner Yield	≥ 1,500 pages (colour), ≥ 2,000 pages (mono)
Warranty	Minimum 1 year on-site or return-to-base warranty
Service Support	Local vendor support with 48-hour turnaround

7. Compliance & Approvals

Feature	Specification
Certifications	ISO 9001, ISO 14001, Energy Star, CE
Quality Control Requirement	Must include quality control print test functionality
Noise Level	≤ 54 dB (operation)
Energy Consumption	Energy-saving modes available; ≤ 1.5W in sleep mode

8. Procurement & Installation

Feature	Specification
Included Accessories	Power cable, USB cable, starter toner, software CD or downloadable drivers
User Manual	Hard and soft copy user manuals (English)
Installation Requirement	Vendor to install and test on-site
Training Requirement	Basic user training for laboratory staff

Compiled by Laboratory Manager : Babonke Zolekasignature.....date..... 20/6/25

Approved by Quality compliance coordinator (QAC) : S. ISACS DATE..... 20/6/25

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