



## GRAHAMSTOWN LAB SPECIFICATIONS: OFFICE BENCH COLOUR PRINTERS

| Specification Item       | Required Description                                                         |
|--------------------------|------------------------------------------------------------------------------|
| Printer Type             | Multifunction Colour Laser Printer (Print, Copy, Scan)                       |
| Technology               | Laser or LED                                                                 |
| Colour Capability        | Full Colour (CMYK)                                                           |
| Print Speed              | Minimum 20 – 30 pages per minute (A4, colour and mono)                       |
| Print Resolution         | 1200 x 1200 dpi or higher                                                    |
| Duty Cycle               | Minimum 40,000 pages per month                                               |
| Input Capacity           | Minimum 250-sheet input tray + 100-sheet multipurpose tray                   |
| Output Capacity          | Minimum 150-sheet output bin                                                 |
| Duplex Printing          | Automatic duplex printing (double-sided)                                     |
| Connectivity             | USB 2.0, Ethernet (10/100/1000), and Wireless (Wi-Fi 802.11 b/g/n)           |
| Mobile Printing Support  | Apple AirPrint, Google Cloud Print, Mopria, and Wi-Fi Direct                 |
| Display Panel            | Minimum 2.7-inch colour touchscreen                                          |
| Operating System Support | Windows, macOS, Linux                                                        |
| Security Features        | Secure print, PIN code printing, network authentication, and data encryption |
| Memory                   | Minimum 512MB RAM (expandable preferred)                                     |
| Processor Speed          | Minimum 800 MHz                                                              |
| Consumables              | Separate toner cartridges (Cyan, Magenta, Yellow, Black)                     |
| Dimensions               | Suitable for bench/desktop use; footprint not exceeding 50cm x 50cm          |
| Noise Level              | < 55 dB during operation                                                     |
| Power Consumption        | Energy Star certified; power-saving sleep mode < 3W                          |
| Warranty                 | Minimum 1-year onsite warranty                                               |
| Compliance               | ISO 14001, Energy Star, RoHS                                                 |

Laboratory Manager: H. Ntlobati  date 10/07/2025

Approved by Quality Assurance coordinator: S. Isaacs  date 10.7.25

 N. Shadon

20/06/2025