

# BACKGROUND CHECK

## CLS 1000T

Cogent's High Resolution Fingerprint LiveScan

Cogent's CLS 1000T is an FBI-certified high resolution LiveScan that supports both 500 ppi and 1000 ppi fingerprint scanning. It captures rolled and flat fingerprints in a fast, easy-to-use, and inkless way. The scanner's solid design has no moving parts and is water protected and factory sealed. The CLS 1000T is available in a steel cabinet, desktop, or portable configuration. High resolution scanning optics enable clear and precise capture of third-level fingerprint characteristics—details such as ridge shape, relative pore location, and some accidental details.

A user-friendly interface facilitates fast and accurate data input. The CLS 1000T software features the industry's most advanced segmentation algorithm for performing slaps segmentation. It includes built-in sequence check and image quality controls with configurable thresholds, which prevent common fingerprint capture and processing errors. The software also provides a real-time, on-screen preview that helps users properly center prints during capture.

The CLS 1000T software enhances workflow efficiency and enables users to automatically capture a complete set of ten flat fingerprints in as little as ten seconds. The software has the capability to create FBI-compliant Type-14 EFTS fingerprint records for civil background checks.

### Key Features:

- » Intuitive and easy-to-use user interface
- » Programmable function buttons
- » Protective cover for the glass capture platens
- » Automatic or manual capture of rolled and flat fingerprints
- » Instant preview functionality for checking print quality while scanning
- » Real-time image quality checking and sequence checking
- » Automatic calibration and table updates
- » Preformatted data fields based on predefined lists
- » Data checking to ensure correct data entry
- » FBI-certified hardware and software
- » Fully compliant with ANSI/NIST standard
- » Configurable data input features for meeting state EFTS specifications



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## CLS1000T

Technical specifications

### Standard Software:

- » FBI-certified processing software
- » Captures Type-14 NIST fingerprint images
- » FBI-certified JPEG2000 compression module
- » SMTP and FTP NIST interface module
- » Quality check and sequence check module

### Scanner Specifications:

- » 500ppi or 1000 ppi resolution
- » Rolled prints format: 1.6 x 1.5 in. (41 x 38 mm)
- » Flat prints format: max. 3.2 x 3.0 in. (81.2 x 76.2 mm)
- » IEEE 1394 (FireWire) OHCI interface
- » Capture mechanism: automatic or manual
- » Built-in buttons for capture functions
- » No moving parts
- » 4 x 4 x 2 flat capture capable

### Dimensions and Environmental Specifications:

- » Weight: 15.2 lbs (6.9 kg)
- » Dimensions: 11.8 x 10 x 5.5 in. (299 x 255 x 141 mm)
- » Operating conditions: 50- 95°F (10-35°C), 10-80% relative humidity, non-condensing, no direct sunlight exposure

### Computer Specifications:

- » P4 processor, 1 GB RAM, Hard Drive 80 GB
- » Windows® XP Professional or Vista OS
- » IEEE 1394 (FireWire) OHCI interface
- » Built-in wireless and Ethernet 10/100/1000



### Optional Components:

- » Digital camera
- » Signature capture pad
- » Barcode reader
- » Magnetic stripe reader
- » Touch-screen monitor for cabinet and desktop models
- » FBI-certified laser printer

### Certifications:

- » FBI Standard CJIS-RS-0010 (V7), Appendix F "IAFIS Image Quality Specifications for Scanner" (for 500 ppi and 1000 ppi identification flats systems without platen membranes)