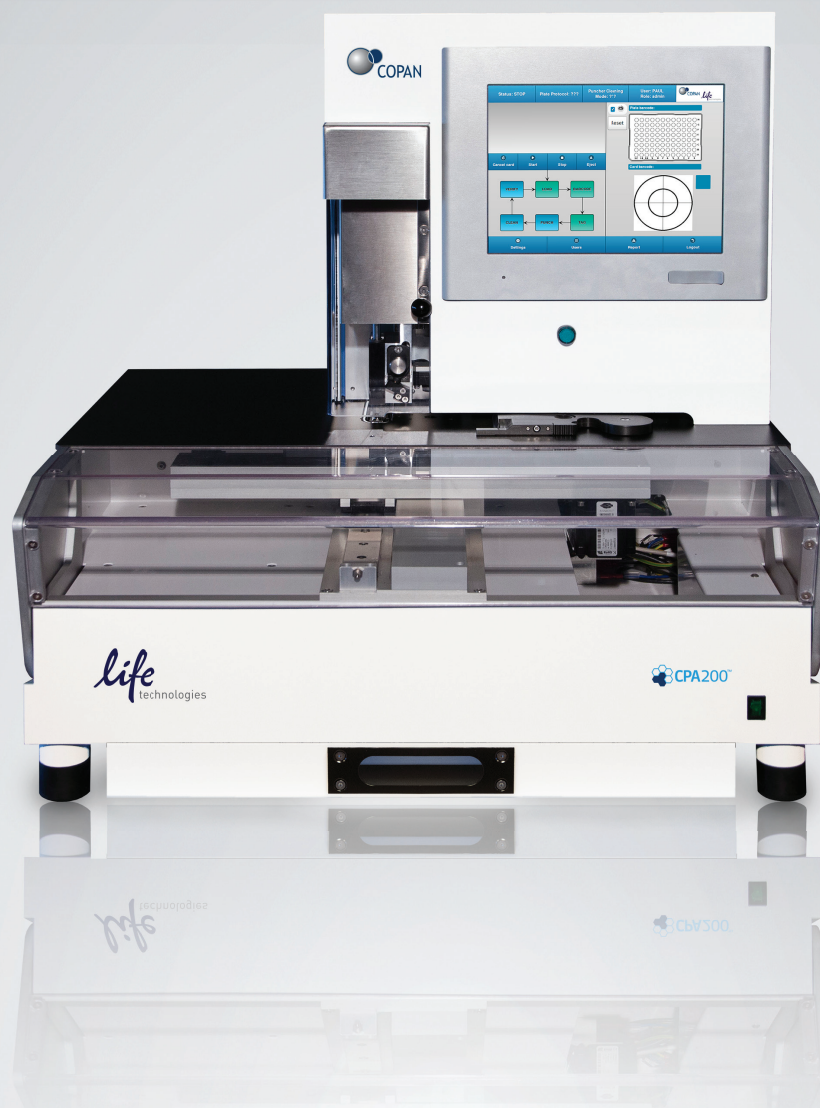




CPA200™ Semi-Automated Puncher



Get superlative reliability and accuracy with the CPA200™ Punch Instrument

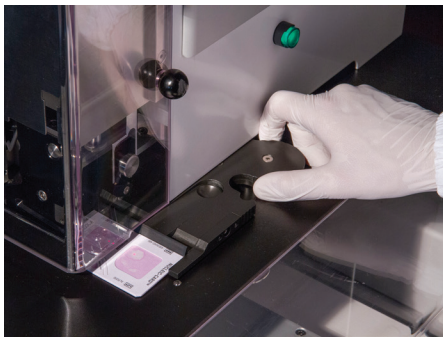
The Card Processing Automation 200 (CPA200™) instrument is a semi-automated puncher designed to process human blood or saliva samples collected on filter paper or cards in forensic and paternity laboratories.

The CPA200™ instrument combines ease of use with full-sample traceability and integrity to help improve downstream results in low- and medium-throughput laboratories.

The instrument offers:

- **High punching accuracy** to ensure the disk is delivered in the correct well, and to minimize cross-contamination issues
- **Flexibility** to process a variety of card shapes and dimensions
- **Traceability** of samples through barcode reading and camera control
- **Integration** into laboratory SOPs and LIMS with customizable, exportable files and reports

Punching accuracy



- Camera control of each well prior to and after punching
- Ionizer to remove static
- Vacuum system to remove debris from punching tool
- Cleaning punch functionality
- Laser targeting system to help the user select the best area for punching



Well without disk



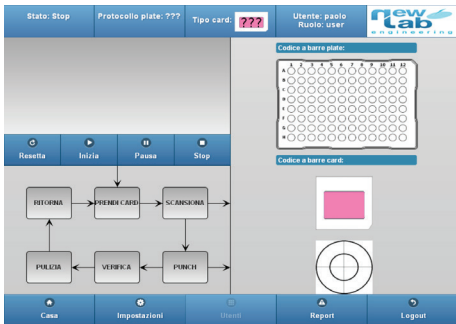
Well with disk

System flexibility



- Protocol optimized for NUCLEIC-CARD™ matrices with dedicated cleaning area to improve efficiency and reduce time-to-results
- Once the area of punching is selected on the card, the CPA200™ instrument records the coordinates and performs the punching automatically

Full traceability



- Plate and card barcode reading
- Real-time updates on plate status

Specifications and features

Supported card formats	All card formats are supported.
	The CPA 200™ instrument works with sample collection systems routinely used in human identification laboratories, including FTA® Cards (Whatman) and Buccal DNA Collector (Bode). • Compatible with both indicating cards (saliva samples) and non-indicating cards (blood samples). • Possibility to reprocess already punched cards.
Optimized protocol	Using framed NUCLEIC-CARD™ matrix with cleaning area: 1-spot format: 51 mm x 51 mm 2-spot format: 85 mm x 53 mm
Available punch sizes	The CPA200™ instrument has these standard punch configurations: 1.2 mm* 2.0 mm 3.0 mm 4.0 mm
Sample punching position	Framed cards: The user selects the punching position using the external laser pointer. The system will record the coordinates and punch automatically in the selected position. All other cards: The user selects the punching position using the internal laser pointer aiming at the punching site.
Cleaning procedure	Optimized protocol using framed NUCLEIC-CARD™ matrix with cleaning area: First cleaning punch performed automatically; possibility to repeat using the same cleaning area using the external laser pointer. All other cards: Cleaning procedure can be performed using a cleaning card or on a blank area of the processing card using either the external or internal laser pointer.
Capacity	2 plates (192 cards)
Camera features and imaging	Model: IDS Direct XS; Resolution: 2,592 (H) x 1,944 (V) Sample presence control: Automatic comparison between the well picture before punching (well normally empty) and well picture after punching (well normally full). Image storage: All acquired images are saved into a specific directory on the PC desktop.
Physical dimensions	610 mm (L) x 545 mm (W) x 675 mm (H); weight: 72 kg
Hardware and software	Model ASEM HT2000-TF/S1: LCD TFT 10.4" 4:3, touch screen 10.4", Intel Atom™ dual core D2550 1.86 GHz, 1 GB RAM. Operating system: Linux Ubuntu. Peripherals: 10.4" touch screen, keyboard, mouse, USB (2). Communication: USB. Network: 2 x Ethernet (1 Gbit/s)
Exportable files	The instrument can export files in .csv or .txt formats suitable for import into the 3130 and 3500 sequencers, and can export reports as PDF files.
Main power requirements	400 W (peak) electrical power; 208–240 VAC main supply voltage; 50/60 Hz
Overvoltage category	2
Pollution degree	2

* All CPA200™ instruments come with 1.2 mm punch sizes by default

Ordering information

Product	Cat. No.
CPA200™ Instrument	A26041

Find out more at lifetechnologies.com/samplepuncher