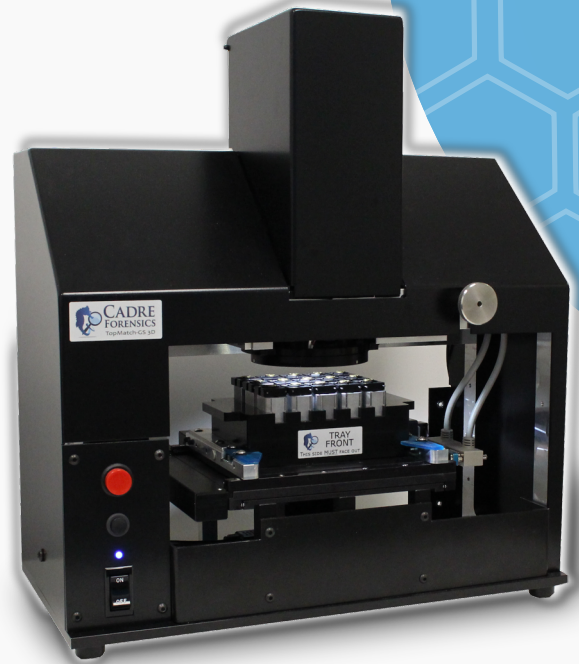




# CADRE FORENSICS

## END-TO-END TOPMATCH CAPABILITY.

The Cadre TopMatch system integrates the essential workflows of firearm and toolmark analysis into one seamless platform. Empowering examiners to work smarter, faster, and with greater confidence.



### TRIAGE. SEARCH. COMPARE.

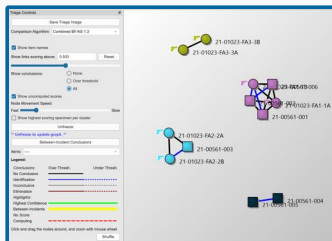
One Platform. One Workflow.  
Stronger Conclusions.

#### 1 HIGH VOLUME TRIAGE



Efficiently group evidence to determine potential number of firearms and their best-marked exemplars.

- High-Volume Scan Capture
- Rapid Grouping & Exemplar Selection
- High-Resolution, Examination Quality Scans from Step One.

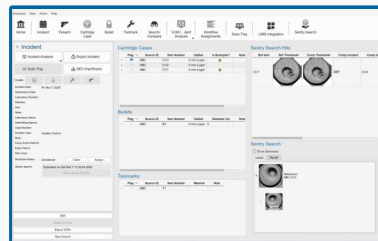


#### 2 DATABASE SEARCHING



Access powerful Sentry Search tools within your database to find more hits, faster.

- Search Across Local or Networked Databases.
- Threshold Score-Based Results
- Achieve Hits Rather Than Leads



#### 3 VIRTUAL COMPARISON MICROSCOPY



Perform side-by-side comparisons with advanced analysis tools to render and document source conclusions.

- High-Precision Scan Alignment
- Annotate, Measure, and Document
- Report With Ease
- Full Remote Access



#### SAVE TIME

Streamlined workflows from start to finish



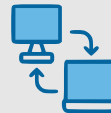
#### IMPROVE ACCURACY

Powerful tools that support strong conclusions



#### ARCHIVE EVIDENCE

Exam-quality archival scanning and secure data handling



#### REMOTE ACCESS

Access anywhere from additional workstations or remote sites



#### CONNECT & SCALE

Share data and results across sites and agencies



#### BUILT FOR TODAY. READY FOR TOMORROW.

Regular updates and expert support



# CADRE FORENSICS

## BETTER WORKFLOW. STRONGER SCIENCE.

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CHICAGO, ILLINOIS





# CADRE TOPMATCH MEETS ADMISSIBILITY REQUIREMENTS

Cadre TopMatch is designed to meet the standards of scientific reliability. TopMatch enables examiners to deliver clear, defensible, and data-driven conclusions that stand up in the courtroom.



## RELIABLE SCIENCE. DEFENSIBLE RESULTS.



### TESTABILITY

Can the technique be tested?  
Has the technique been tested?

**YES. Measurable and repeatable scan acquisition & comparison algorithms.**

- Validated through extensive accuracy studies and benchmarking
- Performance metrics (e.g. algorithm scores, surface topography) are consistently tested
- Continuous internal and external testing with real-world casework and research data



### PEER REVIEW & PUBLICATION

Has the technique been subjected to peer review and publication?

**YES. Cadre TopMatch is peer-reviewed and published**

- Published in leading peer-reviewed journals
- TopMatch's methodology and validation studies are publicly documented
- Independent publications have reviewed and validated the underlying science



### KNOWN OR POTENTIAL ERROR RATE

What is the known or potential rate of error?

**YES. Error rates are established and continuously monitored.**

- Error rate studies for virtual comparison microscopy examinations
- Error rate studies for comparison algorithms
- Transparent reporting of performance statistics



### STANDARDS & CONTROLS

Are there standards controlling the technique's operation and usage?

**YES. TopMatch operates under documented standards.**

- Guidance documents from OSAC, TWG3D2T, and ISO
- Microscale reference specimens ensure measurement quality
- Quality assurance protocols and system checks



### GENERAL ACCEPTANCE

Is the technique generally accepted in the relevant scientific community?

**YES. TopMatch is widely used and accepted in the forensic community.**

- Used by laboratories at the federal, state, and local levels
- Used to examine evidence within the United States and abroad
- Admitted into court systems at the federal and state levels



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**BETTER WORKFLOW.  
STRONGER SCIENCE.**

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