

Course Objectives

The purpose of this course is to introduce the basics of using **IBIS® TRAX-HD3D™ | BRASSTRAX™**. The BRASSTRAX course is designed for firearm examiners (or firearm examiners in training) who want to learn how to acquire cartridge case images using the BRASSTRAX system.

Prerequisites

Basic computer skills (Windows® environment)
Firearm knowledge

Module 1: Introducing BRASSTRAX

What Is BRASSTRAX?
Cartridge Case Types and BRASSTRAX Regions of Interest
BRASSTRAX User Roles
Starting Up BRASSTRAX

Module 2: Navigating the BRASSTRAX Interface

BRASSTRAX Interface
BRASSTRAX Toolbars

Module 3: Working with Cases and Exhibits

What Is a Case?
Adding a Case
Adding a Cartridge Case Exhibit
Adding a Firearm Exhibit

Module 4: Starting an Acquisition

Preparing a Cartridge Case for Acquisition

Module 5: Acquiring Centerfire Cartridge Case Ejector Marks

About Ejector Marks
Acquiring the Ejector Mark

Module 6: Acquiring Centerfire Cartridge Case Breech Face Marks

About Breech Face Marks
Acquiring Breech Face Marks

Module 7: Validating Centerfire Cartridge Case Images

Acquisition Validation Window
Adjusting Outlines for Centerfire Breech Face and Firing Pin Images
Saving or Rejecting Acquired Images

Module 8: Acquiring Rimfire Cartridge Case Firing Pin Impressions

About Rimfire Firing Pin Impressions
Acquiring Rectangular Firing Pin Impressions
Acquiring Circular Rimfire Firing Pin Impressions

Module 9: Submitting and Synchronizing Cases

Submitting Cases
Synchronizing Cases

Module 10: Using BRASSTRAX Tools

Using Search
Creating Filters
Opening Help
Removing a Cartridge Case from the Cartridge Case Holder
Customizing Data Lists

Module 11: Administration

About Backups
IBIS Servers That Use Disk Backups
User Roles
Preferences
Acquisition Unit Tune Up
Reading System Messages

Module 12: Best Practices

Tracing Wide Ejector Marks
Positioning the Ejector Mark When the Ejector Strikes Close to the Primer
Minimize Washout and Flowback
Positioning Cartridge Cases According to Striae
Bridging the Headstamp
Tracing Around Headstamps
Working with Superimposed Double Firing Pin and Ejector Strikes
Adapting a Damaged Cartridge Case into a BRASSTRAX Holder

Module 13: Proficiency Test

What Is the Proficiency Test?
Preparing the Reference and Test Exhibits
Running the Proficiency Test
Consulting the Report

Module 14: Non-Crime Mode

About Non-Crime Mode
Logging On to BRASSTRAX in Non-Crime Mode
Adding a Non-Crime Case
Adding a Non-Crime Cartridge Case Exhibit

Module 15: Appendix: Quick Reference Guide

Acquiring Centerfire Cartridge Case Ejector Marks
Acquiring Centerfire Cartridge Case Breech Face Marks
Acquiring Rimfire Cartridge Case Rectangular Firing Pin Impressions
Acquiring Rimfire Cartridge Case Circular Firing Pin Impressions
Validating Centerfire Cartridge Case Images