

## SEE MORE. SOLVE MORE.

CLASS-LEADING COMPARISON MICROSCOPES FOR FORENSIC INVESTIGATIONS



## PROJECTINA AND FORENSIC TECHNOLOGY

Forensic Technology pioneered automated ballistic identification and analysis over 20 years ago and continues to be a leader in forensic ballistic and firearm identification technologies. Our Integrated Ballistics Identification System (IBIS®) revolutionized ballistic identification by helping investigators find matches between pairs of spent bullets and cartridge cases.

In 2011, Forensic Technology acquired Projectina AG, a world leader in the development and manufacture of forensic science products and high-end optical components for over 60 years. Projectina's offerings strongly complement Forensic Technology's core competencies in ballistic identification by leveraging its optics, microscopes, and forensic crime scene products.

Forensic Technology and Projectina currently partner with hundreds of law enforcement agencies in nearly 70 countries, providing cost-effective and sustainable solutions. Forensic Technology is customer-driven, with a worldwide, 24/7 customer support network and dedicated training facilities. Together, Forensic Technology and Projectina offer a vast range of products, tools and services tailored to meet your forensic needs.

#### PROJECTINA **QUALITY AND COMMITMENT** TO OPTICS

Projectina has a long and rich tradition in the innovation of optical comparison systems. For over 60 years, Projectina has designed, developed and manufactured optical comparison systems for industrial and forensic science applications.

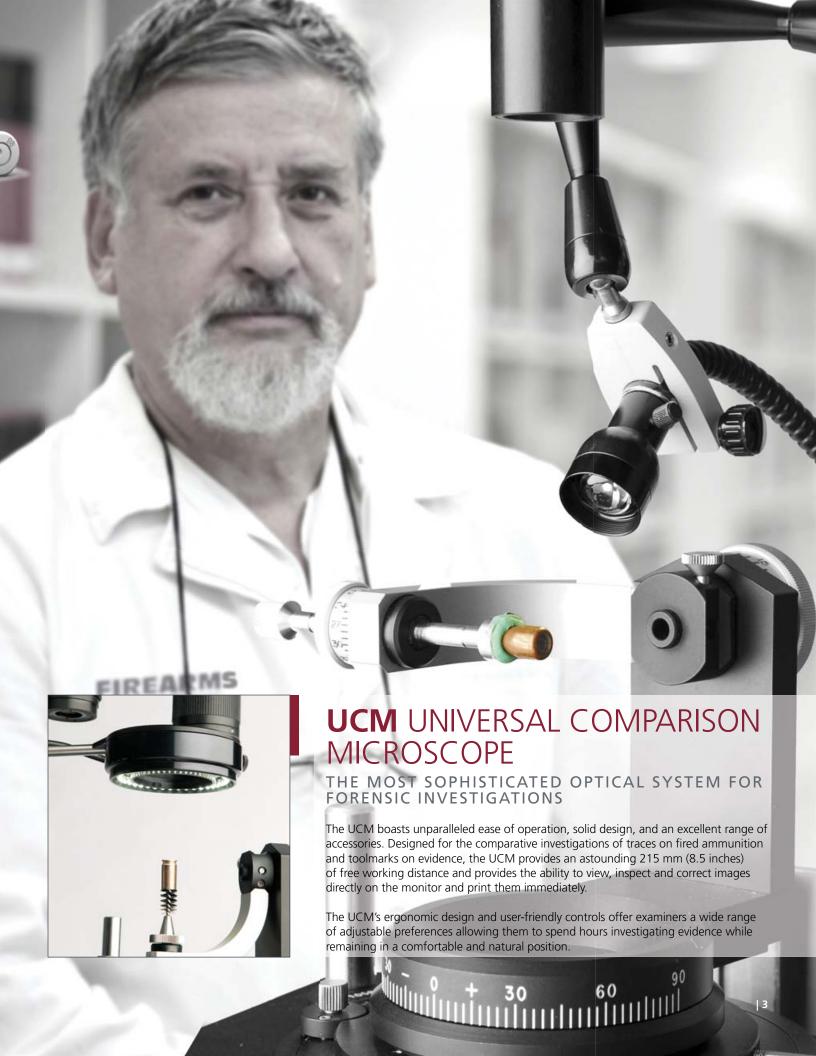
Our comparison microscopes, the UCM and the COMAC, are modular systems used for side-by-side comparison applications, specifically, when examining traces on fired ammunition and toolmarks on evidence. The ability to view, inspect and correct images directly on a monitor and to print them immediately provides the user with benefits in terms of economics and versatility.

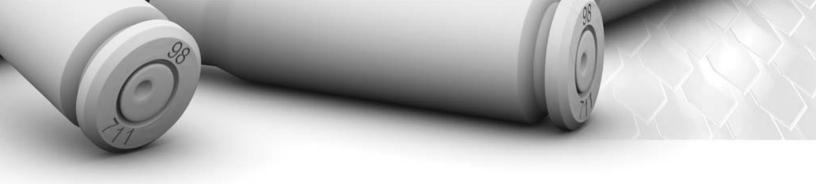
#### **GLOBAL** CUSTOMER SERVICES

Forensic Technology and Projectina strive to achieve excellence in delivering customer service. Our mission is to provide customers with first-class services that exceed industry standards for quality, security, and customer satisfaction. Projectina and Forensic Technology's global support network is only a phone call away.

In our effort to continually improve our service offerings, the support staff at Forensic Technology are both ISO 9001 and ITIL certified. We strive to provide customers with high-quality services that can be measured against the highest international standards.











**FULL IMAGE LEFT OR RIGHT** 



SPLIT IMAGE COMPARISON



SPLIT IMAGE WITH MOVABLE **DIVIDING LINE** 

#### **UCM** FEATURES

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A free working distance of 100-215 mm (3.9–8.5 inches) provides enough space for the easy mounting of large evidence and the positioning of multiple, simultaneous light sources

#### **MODULAR**

Light sources with adjustable arms for quick and easy lighting changes (including fluorescent lighting, LED and UV)

#### **CAPTURE**

High-resolution camera systems and remote control software to document, analyze and archive comparison results

#### **EASY WORKFLOW**

Motorized magnification changer range (1.5x–135x), objective changer and optical operating modes do not require refocusing



#### **UCM** VIEWING

#### **BASIC SOFTWARE FEATURES**

- Superimpose transparency positive/negative
- Complementary colors (red/green)
- Binary functions
- Brightness control, contrast enhancement, and chroma adjustment and negative image display
  Noise reduction

#### **OPTIONAL** MODULES

- Z-images, including illustration of 3D images
- Database module for organizing image archives, user defined fields, sorts, filters, grouping independent of



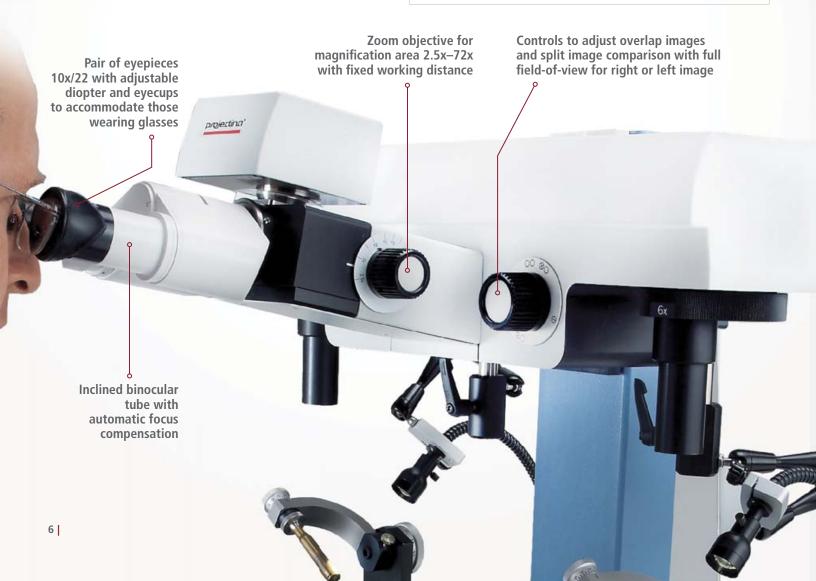
# **COMAC** COMPARISON MICROSCOPE

# A SIMPLE, HIGH-QUALITY DESIGN FOR COMPARATIVE INVESTIGATIONS

With superior-quality optics and exceptional mechanical craftsmanship, the COMAC raises the bar in the comparative investigation of evidence. The COMAC is ideally suited to examine evidence, such as cartridge cases and bullets, toolmarks, documents, banknotes, coins and illegally produced pills.

Like the UCM, the COMAC's modular design permits the easy adaptation of special object holders and flexible lighting systems.

COMAC FEATURES		
MODULAR	Light sources with adjustable arms for quick and easy lighting changes (including fluorescent lighting, and LED)	
CAPTURE	Wide-range high-resolution camera systems and remote control software to document, analyze and archive comparison results	
ERGONOMIC	Interactive controls for the magnification and optimal setup on both sides	
VERSATILE	Built-in macro objectives, working distance of 130 mm (5.1 inches)	
ZOOM	Magnification area 2.5x–72x with a fixed working distance	





### **PROJECTINA** ACCESSORIES

#### LIGHTING ATTACHMENTS

The true test of any microscope goes beyond ergonomics and accessories. Lighting and the ability to clearly see and measure fine marks and minute traces is paramount. Projectina comparison microscopes include a flexible, state-of-the-art illumination system that eliminates unwanted reflections, and allows for the easy, consistent lighting of objects regardless of shape, size, surface and structure.

Eight modular light sources allow examiners to use any combination of surface light, transmitted light, fluorescent, LED, and UV. The flexible light system can accommodate a wide range of lighting and be rotated 360 degrees. Accessories include:

- LED Spot for surface lighting
- Segment ring-light
- Transmitted light deflection
- UV illumination



FLUORESCENT LIGHTING ATTACHMENT



SEGMENT RING LIGHT ATTACHMENT



LED SPOT ATTACHMENT



FIBER OPTIC LIGHT ATTACHMENT



#### **HOLDERS AND CLAMPS**

Projectina comparison microscopes are equipped with expertly-designed accessories, including: bullet holders, cartridge case brushes, and specialized holders to accommodate hunting and air gun ammunition, lock cylinders, deformed bullets, toolmarks in MICROSIL® or Plasticine®, wires, tools, documents, printed matter, and casting material.



UNIVERSAL HOLDER WITH 3-POINT FIXING CLAMP



OBJECT HOLDER WITH ROTATION/TILTING AND HOLDER ROTATION



HUNTING AMMUNITION HOLDER



LOCK CYLINDER HOLDER





Visit www.ForensicTechnology.com or www.projectina.ch for more information.