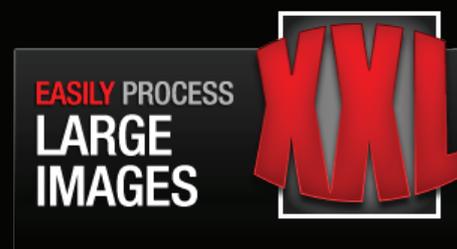


THE FISH COMPARATOR

DESIGNED TO SUPPORT THE COMPARISON AND IDENTIFICATION OF FINGERPRINT IMAGES
AVAILABLE AS A **SIMPLE DOWNLOAD FROM THE WEB** OR VIA **A CD**



THE CHALLENGES OF FINGERPRINT IDENTIFICATION

The main goal of the fingerprint expert is to deliver reliable conclusions. With fingerprints of good quality and ten prints, there is generally no room for interpretation and error and hardly any chance of mistaken judgement on identification.

However the poorer the detail at hand, the greater the role of the expert becomes and they need to compare, judge and validate.

Mistaken identifications have some common causes; the fingerprints under examination are of bad quality and/or there is time pressure to achieve a match.

NO TWO COMPARATORS ARE THE SAME

The fingerprint identification process follows several stages of activity in order to achieve sound decision-making. This process follows a pattern of stages.

These are the stages; Comparison, Evaluation, Decision, Verification and the Conclusion.

Most fingerprint comparators focus on the algorithm features built into their systems rather than assisting with the process of identification.

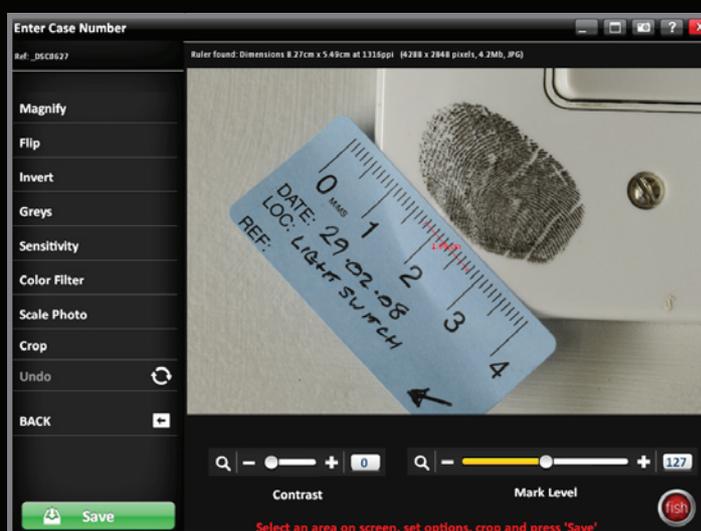
THE FISH APPROACH

FISH comparator places its emphasis not only on the algorithms but also more importantly on the processes involved in fingerprint comparison.

This approach supports fingerprint bureaus, which document all of their procedures and processes undertaken to accomplish its analysis work.

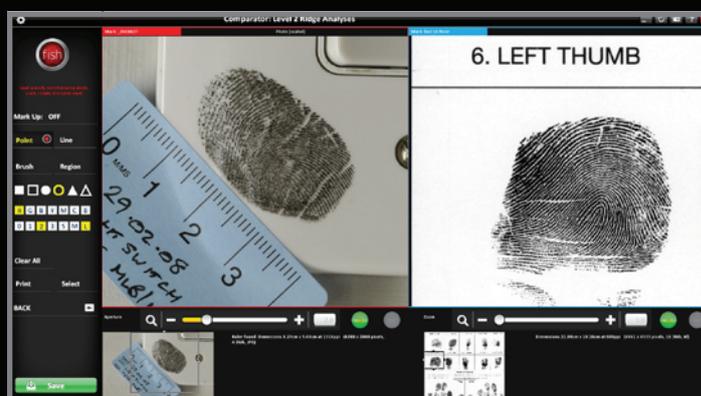
COLLATION OF CASE IMAGES

FISH Comparator scans latent images, exhibits, 10 print forms and known sheets. The application also loads camera images and photographs can be automatically scaled. Colour images can be converted to black/white and levels adjusted



LEVEL 1 INSPECTION

FISH Comparator efficiently loads the images and provides the capability to zoom in and pan, visually compare; and reject or accept for level 2 analyses



LEVEL 2 RIDGE ANALYSES

FISH Comparator enables the ability to Mark up and add text and to print off the final image.

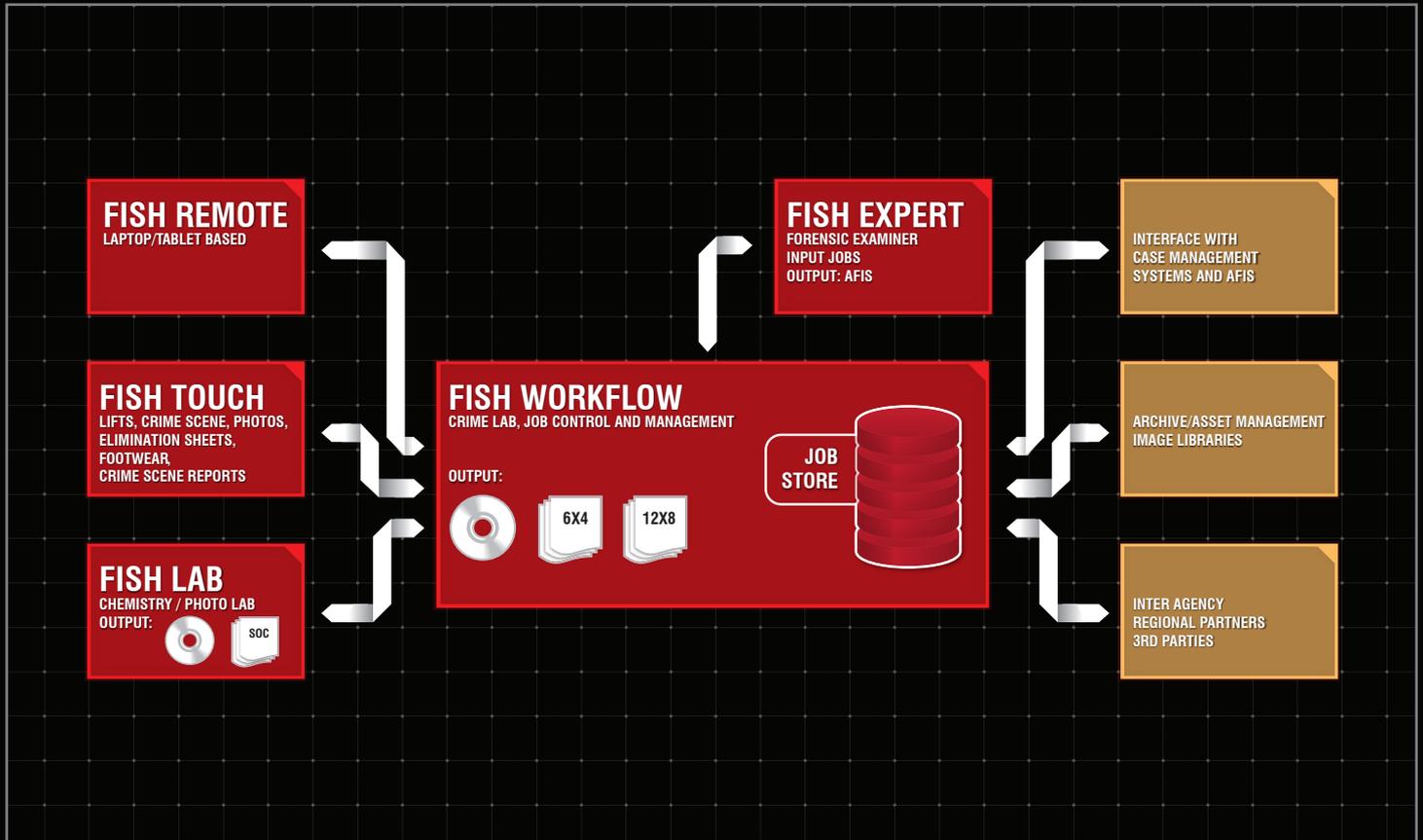
THE UPGRADE PATH TO FISH EXPERT

The Comparator is upgradeable to the full function Forensic Information Scanning Hub application or FISH, which is an integrated system configurable for different purposes depending on the user and the location. FISH is the system designed to address the challenges faced by the forensic analyst.

THE CHALLENGES FOR FORENSIC IDENTIFICATION

Bottlenecks and delays frequently occur in the daily management of forensic analysis. Poorly integrated IT systems coupled with the multitude of forms required by case management systems have added to workload.

These have lengthened the timescale of identification allowing suspects to dispose of evidence and confidently plead not guilty.



FISH – AN ALTERNATIVE APPROACH

FISH, the Forensic Information Scanning Hub, is an integrated system configurable for different purposes depending on the user and the location. FISH is the system designed to address the challenges faced by the forensic analyst.

As part of the application suite, FISH Expert is designed specifically for the fingerprint expert. Experts can select a case from the queue and see thumbnail images of all the files submitted by the CSI officers. They can enhance the image, size it, and print it at 1:1 and save it to a variety of places.

SUBMISSION

FISH Remote and FISH Touch are used for scanning fingerprint lifts, exhibits, footwear marks and elimination forms, and transmitting the images back along with Scene of Crime photos to a Forensic lab for identifying. FISH Lab does both submission, and includes the ability to manipulate, save and print locally.

PROCESSING

FISH Expert is an analysing station. A Fingerprint Expert picks up jobs from FISH Bureau, then analyses and processes them. The software can use either the same touch screen hardware as the FISH terminals or it can be loaded onto desktop computers.

MANAGEMENT

FISH Workflow is the receiving, printing and management station. In addition to processing features, it manages the job store, interfaces to colour printers for printing enlargements and black and white document printers for printing elimination forms and demographic data.

FISH Workflow also provides network management, runs management reports, job processing, job allocation and a time based scheduling facility.



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