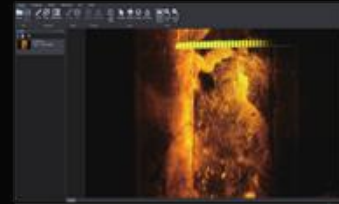


Fingerprint Extraction Platform



TruePrint™

- World best overlapped fingerprint separation system.
- Application to CSI investigators
- Noise removal, fingerprint recovery, fingerprint separation by artificial intelligence algorithm
- 3D fingerprint visualization
- Generation of clean fingerprint for further use to AFIS



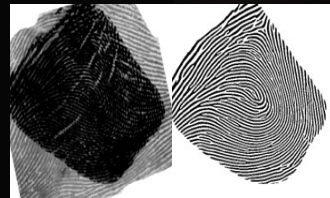
Open latent fingerprint

- . Any size of latent fingerprints
- . Can be a picture taken from a crime scene



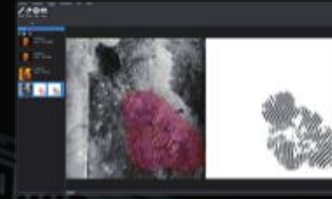
Fast preprocessing

- . Fit the image to 500 DPI by one click
- . Transform to grayscale easily



Fingerprint extraction by Artificial Intelligence

- . State of the art performance in a second
- . Perfect noise removal



Masking a wanted area by mouse

- . Removal unwanted area
- . Only possible in TruePrint



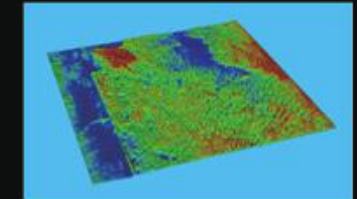
Locate minutiae by one click

- . Find minutiae from the extract fingerprint
- . Edit the minutiae



Find 2D coordinate of minutiae

- . X and Y coordinates of a minutiae
- . Find orientation of minutiae



3D image of fingerprint

- . Confirmation of minutiae by 3D
- . Edit minutiae in 3D space



Save the extracted fingerprint

- . Further use as input for AFIS
- . Generation of database for further use

Faster Fingerprint Extraction time

Less than 1 second
By full scale Deep Learning

Improved Quality Index of Extracted Result

Perfect Noise Removal
Higher NFIQ index

Retention & Recovery of Minutiae

Specification of Minutiae
Generation of Minutiae file (mnt) for further use

Improved matching score & search rate

Input for AFIS system using extracted fingerprint
Improved search & match hit ratio

User Satisfaction

End-to-end program
Easy to use Graphical Interface

Situation at the scene

In scientific investigations of crime scene, fingerprints have been used as a major means of personal identification.

Single clean fingerprints among crime scene fingerprints can be easily searched on AFIS, but in the case of overlapped fingerprint images, the extraction is not easy and sometimes takes a lot of effort, and even is impossible.

Currently, the extraction work requires a combination of experienced professionals and complicate analysis system like DCS-5.

TruePrint™

TruePrint is an integrated platform of fingerprint extraction based on highly sophisticated Artificial Intelligence algorithm and user-friendly graphical interface.

TruePrint is the world best and 1st AI based fingerprint extraction platform mounted on a stand-alone PC or notebook computer.

Visualize Latent Fingerprint Artificial Intelligence



TruePrint™

TruePrint Consortium



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