

Skeleton-ID is a game-changing human identification software for forensic experts. It combines multiple identification techniques in the same tool and automates them with Artificial Intelligence.

Skeleton-ID can process different types of image data and reduces the effort for the expert from days/hours to minutes. It is the only human ID software on the market that can apply skeleton-based ID methods to scenarios with large numbers of victims.

What do I need to use Skelaton-ID?



Server

Skeleton-ID uses a client/server architecture. That means a large part of the computation is done on the server. Skeleton-ID can run on dedicated server hardware or virtual machines.



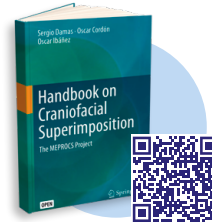
Workstations

Users can access Skeleton-ID through Chrome, using Windows, OS or Linux computers.



3D Scanner

3D images can be obtained from different types of devices as Skeleton-ID uses standard file types.



The Handbook on Craniofacial Superimposition

This handbook was published by the MEPROCS consortium consisting of 30 CFS experts including the Panacea founders. It is the only complete guide on this important identification method.

< Download the e-book for free using the QR code.



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Fast, accurate and objective
human identification



Skeleton-ID forensic identification software is used
by law enforcement and government agencies worldwide

> The challenge of forensic human identification

Every day, the identification of human remains requires the use of scientific methods because visual recognition often results in misidentification. On the other hand, DNA and fingerprints are very accurate but can often not be applied due to the poor preservation state of the remains or the lack of ante-mortem information.

This leaves ID experts without an alternative as other ID methods are manual, time-consuming, and subjective.

At Panacea, our mission is to help identification experts to solve their particular identification challenges.

Enforced Disappearances

Around the world, dictatorships and organized crime are responsible for the disappearance of hundreds of thousands of individuals. Usually, the available data differs greatly and the complexity of the scenario requires the processing of large amounts of AM and PM data.

Victims of wars

In ongoing conflicts, the available data for identification varies greatly but skeleton-based ID methods like biological profile estimation, and craniofacial superimposition, can significantly reduce the number of candidates before moving to other ID methods.

Victims of Migration

Migration routes around the world are usually dangerous and responsible for the loss of many lives. Identifying these victims is especially challenging as the only ante-mortem data available are digital photos collected by NGOs or obtained from social networks.

Historical ID Cases


Almost any country that has had an armed conflict in the more recent past still struggles with unidentified remains. Frequently, photos or x-rays of missing persons are still available and offer an untapped opportunity to identify these victims.

Disaster Victim Identification

Dental records are frequently used to identify victims of multi-fatality disasters. Automating the AM/PM comparisons reduces the effort for the identification experts that are usually already operating at their breaking point.


> Skeleton based identification

Skeleton-ID is combining multiple skeleton-based identification techniques in one tool. These techniques are especially suited for badly preserved cadavers (burnt, putrefied, skeletonized) that represent 40-50% of bodies subjected to autopsy.




Drastic reduction of time and cost

Fewer expert hours per case and exponential savings in cases of multiple comparisons, e.g. mass graves or database searches.



Higher number of solved cases

Skeleton-ID supports multiple identification techniques which allow experts to use different types ante-mortem and post-mortem data.



Higher success rates in legal proceedings

Skeleton-ID's AI is supporting the identification expert with objectivity, explainability, and traceability of the results.



AI Powered

Skeleton-ID can reduce identification time from days/hours to minutes, increase accuracy up to 99% while decreasing subjectivity and the potential for human error.

Modular Architecture

Modules allow expanding the functionality and applicability of Skeleton-ID. Experts can choose the right ID technique depending on the available ante-mortem and post-mortem data.

Scientific Recognition

Skeleton-ID is the result of over 15 years of research in AI and anthropology. Panacea's R&D team has published over 100 peer-reviewed articles related to human ID and registered 3 patents.

