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PRIDE

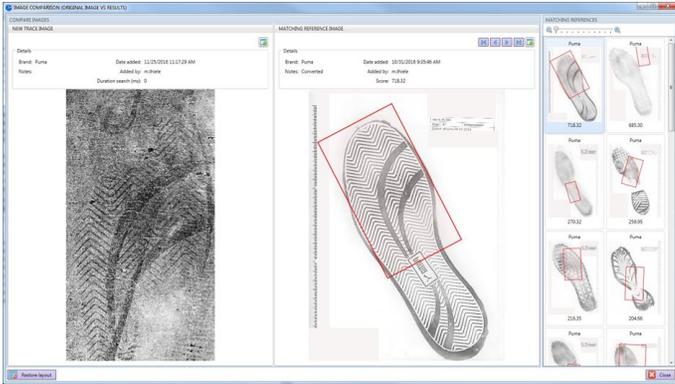
**AUTOMATED SHOEPRINT
MATCHER**



**PRODUCT
DESCRIPTION**

PRIDE

PRIDE is an automated shoeprint matcher especially developed together with shoeprint experts and forensic intelligence officers in the Netherlands. The comparison of the shoeprints is fully automated and is based on the comparison of pictures.

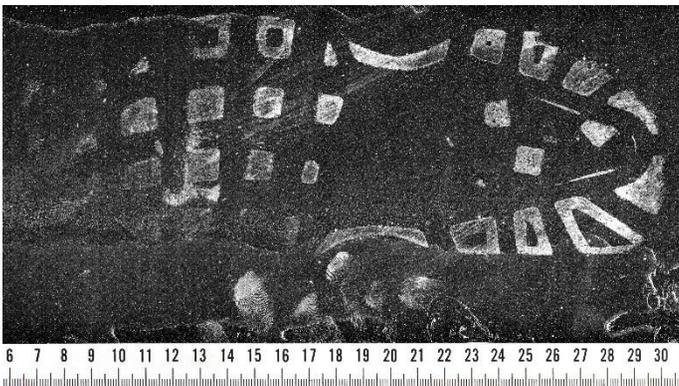


PRIDE is an application that allows experts to create a central database with references. A shared database with reference files is valuable because not everyone needs to create and maintain its own database with reference files. Secondly a shared file is logically much more complete.

The main functions of PRIDE are:

1. Create a regional or national reference database for the storage of pictures of outsoles
2. Compare shoeprints with references of outsoles
3. Compare the reference of an outsole with shoeprints

The comparison of the shoeprints is fully automated and is based on the comparison of pictures.

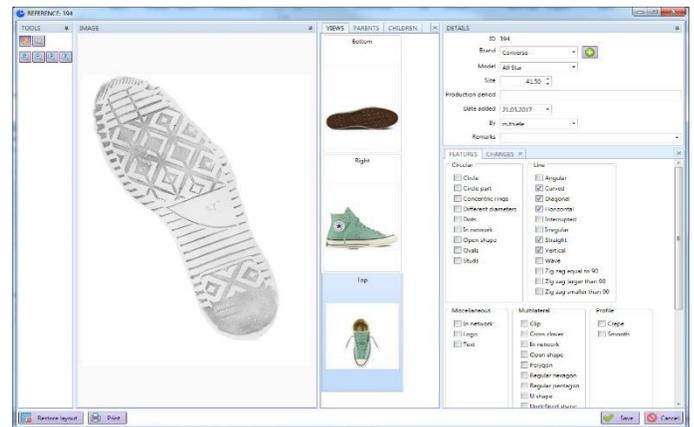


1. Reference database

References of outsoles can be used to quickly deduct what type of shoe left the print at the crime scene. A workflow supports the adding of references to the database in the following way:

- The digitalized picture of the outsole of a confiscated shoe can be added to PRIDE
- Information can be added to the reference image
- PRIDE compares the image of the reference with the images of the reference that are already available in the database:
 - new reference: the reference can be added to the database.
 - already available reference: discard or replace the picture available in the database when it is a better picture

Other pictures of the shoe (i.e. top of the shoe or wear pattern outsole) can be added to the reference



2. Compare shoeprints with references of outsoles

The digitalized image of a shoeprint can be used in PRIDE for the search of the corresponding reference print

- PRIDE uses the digitalized image of the shoeprint to perform a comparison with the images of references that are stored in the database
- The best fitting reference images are shown
Several searches can be started simultaneously.

3. Compare references with shoeprints

The image of a reference can be used for comparison with shoeprints found at crime scenes to deduct whether the perpetrator has possibly been present at one or more crime scenes.



www.hobbit-is.nl



info@hobbit-is.nl



+31 172 418877



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