

GLS^{can}® SP

High quality imaging of marks on Gellifters made easy

The GLS^{can} SP imaging system is our most versatile imaging system for Gellifters. The system allows for scanning Gellifters as small as 5x5 cm up to full size Gellifters of 18x36 cm intended for lifting of footwear marks. This system is the ideal choice for footwear examiners and imaging departments providing their services to both the fingerprint and trace evidence departments.

New features:

- Auto Exposure
- On screen comparison of images
- Image enhancement and annotation
- 2 LED light sources with variable light intensity
- Instant re-scanning of images increases efficiency
- Third LED light source for near oblique illumination
- Real time adjustment of exposure and illumination settings
- Settings Wizard and Assistant to provide the right image in only one scan



CAMERA

The scanning unit is fitted with a highly sensitive CMOS camera. The camera scans the Gellifters at a resolution of over 1000 ppi. This resolution makes 3rd level detail examination of finger marks possible and clearly shows the even finer detail in footwear marks.

LIGHT SOURCES

For the GLS^{can} FP and SP imaging systems a new light source is developed to illuminate the Gellifter during scanning. This LED light source provides for an even illumination of the entire surface of the Gellifter. The system contains two light sources almost coaxially illuminating the surface. Depending on the kind of mark lifted, this can be a very faint dust mark or a highly reflective fingerprint powder, one or two lamps can be used. In addition the intensity of both lamps is fully adjustable.

The high intensity light enables the camera to work with shorter exposure times while delivering an excellent image within less than a minute.

A third lamp is available providing near to oblique illumination. This lamp is intended to be used when scanning marks on Gellifters of which most of the reflective black gelatin surface is covered with dust.

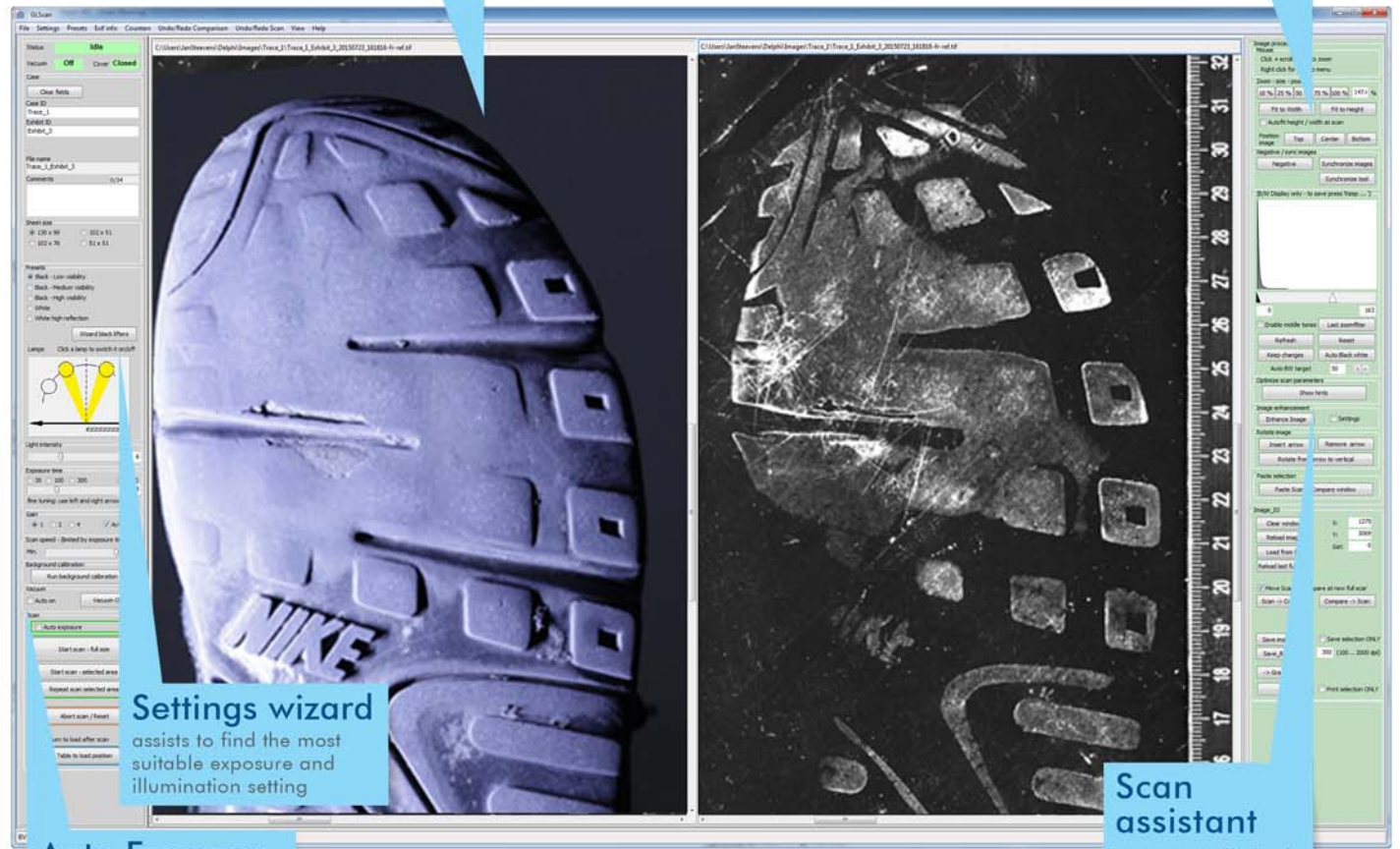
The variable exposure time and adjustable light intensity allows for imaging of nearly invisible to highly contrasting prints on the black Gellifters: from faint dust marks or direct lifts of latent marks, to those developed with cyanoacrylate, to prints developed with silver coloured fingerprint powders.

On-screen comparison

View one or two different images side-by-side

Image enhancement tools

directly available within the GLScan software



Settings wizard

assists to find the most suitable exposure and illumination setting

Auto Exposure

determines the optimum exposure and illumination setting and provides best image

Scan assistant

suggests optimized settings after initial scan

SOFTWARE FEATURES

The control software for the GLScan^{can} SP is still as easy to use as the acclaimed software used to control the original model. The new GLScan^{can} SP software now comes with a boost of new features like:

- Bi-directional scanning for instant re-scanning of the Gellifter at optimal exposure and illumination settings suggested by the system.
- Real time adjustment of illumination and exposure settings. These parameters can be adjusted during scanning while the image builds up on screen. Finding the right settings is made easy in this way, subsequent use of the bi-directional scanning facility shortens the time needed to get the best final image.
- Image enhancement features such as invert, rotate, flip, histogram and brightness and contrast adjustment.
- Image comparison tool which allows the operator to compare two images side by side and to make annotations on the images.

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