

GEMINI PHOTO DIGITIZER

Software application for pattern digitization

Photo Digitizer is the Gemini CAD Systems application for digitizing cardboard patterns, which automatically detects and extracts the contour of the piece and its internal technical elements, using the bitmap image obtained with a calibrated optical system (scanner or photo camera).

The pattern contour is automatically extracted, in just few seconds, using precise Bezier curves. The application can identify corners and mark them as reference points, can identify different type of notches (marked or cut), internal points and internal lines.

- Gemini Photo Digitizer is compatible with a wide variety of image acquisition devices as standard cameras or scanners.

In order to obtain high accuracy digitization, required in technical sectors of textile industry, various scanning devices (from A3 office flatbed scanner to large formats scanners) can be used.

- It is based on a simple automatic calibration procedure, easy to perform, that guarantees accurate dimensions also inside the digitized area and offers a high precision of less than 0.5 mm.
- It supports ultra-large digital format for digitizing big patterns.
- The application exports data in standard DXF format or in other native file formats.

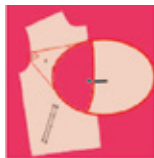
Piece Contour



Reference Points



Notches



Internal Points



Internal Lines



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FUNCTIONALITY - the user can check and adjust the internal elements or the shape of the curves if necessary, can add or delete any element, input the piece name, all in one single window.



EFFICIENCY & SPEED - large collections of patterns can be digitized effortlessly, with high precision and accuracy, in just three quick steps: capture the image, check and edit, save the patterns.



INTEGRATION BENEFITS - it can be used in companies with various CAD systems, being able to export standard or native file formats.



LOW MAINTENANCE EFFORT - the image capturing devices (photo cameras or scanners) can be found in any specialized shop, locally (not depending on the CAD supplier), and can be replaced when needed at negligible costs.



BEST USER EXPERIENCE - it is an easy to use application, with instant results; the zoom and navigate functions and the special magnifier viewer make the workflow fast and efficient.



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