

	<b>QD-PM 11.0 Indentations</b>	
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## 11.1 Overview

Examinations for indentations of writing can involve many facets. Limitations can be placed upon these examinations by influences such as the type of substrate, the type of analysis requested, etc. A variety of examination techniques may be employed, including grazing light, instrumental, imaging and microscopic examinations. Information provided in this procedure gives an overview of the process, considerations and instrumentation used. Analysis schemes for each case will be implemented depending upon the type of evidence presented and per ANSI/ASB Standard 044, [Standard for Examination of Documents for Indentations, First Edition 2019](#) and [E2765-11 Standard Practice for Use of Image Capture and Storage Technology in Forensic Document Examination](#).

## 11.2 Instrument Function Verification

See 23.0 Instrumentation, 23.4 ESDA1 and ESDA2

## 11.3 Oblique Light Examinations

Because instrumental techniques for the recovery of indentations in documents do not always result in impressions being recovered, examination schemes for indentations should always include the use of oblique light.

## 11.4 ESDA Film Processing

Imaging techniques for the enhancement of the film used to recover indentations may be utilized to better visualize recovered indentations. Any digital enhancements shall be conducted in a manner which documents the steps taken to achieve the results obtained and provide a means to reproduce the results. Original images shall be preserved and the steps (including software settings) taken shall be recorded to allow another examiner the ability to reproduce a similar result.

## 11.5 ESDA - Critical Consumable Supplies

Supplies used in the ESDA examination process can significantly affect the result. The approved vendor for critical consumable supplies is Foster + Freeman.

### REFERENCE

Lansing Laboratory QD Unit MSDS: Lansing - Trace Evidence / Questioned Documents Unit

ESDA2 [Users Manual](#)

ESDA - [Critical Consumable Supplies Testing](#)

ANSI/ASB Standard 044, *Standard for Examination of Documents for Indentations*, First Edition 2019