

	<b>QD-PM 8.0 Typestyle</b>	
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	<i>Document Manager: Cheryl Lozen</i>	<i>Approved By: Jeffrey Nye</i>

## 8.1 OVERVIEW

Typestyle comparisons and classifications are complex examinations comparing a questioned typed entry with known samples from reference library materials. These examinations allow for the identification of typestyles ranging from basic classification of a typestyle family to specifically identifying a typestyle. 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.

## 8.2 SYSTEMS OF CLASSIFICATION:

### 8.2.1 Boufard

[A PC Based Typewriter Typestyle Classification System for Courier Typestyle Specimens from the Haas Typewriter Atlas](#) - This computer based classification program is available in the QD Unit with worksheets to assist with this classification method.

### 8.2.2 Crown

[The Differentiation of Pica Monotone Typewriting - Worksheets](#) are available to assist with the use of this classification method.

### 8.2.3 Interpol

Interpol developed a system of typewriter classification involving a complex punch card scheme. This system is not available in the MSP Questioned Document Unit.

## 8.3 Equipment

CAREFUL MEASUREMENTS AND HIGH RESOLUTION IMAGES OF THE QUESTIONED TYPESTYLE are taken utilizing one or more of the following:

### 8.3.1 Adobe Photoshop

Instructions are within the software and available online

### 8.3.2 VSC 6000 SOFTWARE

Instructions are on instrument computer

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### 8.3.3 VSC 6000 HARDWARE

### 8.3.4 VSC CV/6K Auxiliary Video Microscope

### 8.3.5 Typewriter Grids & Measuring Devices

A variety of typewriter grids and measuring devices are available in the Lansing Laboratory QD Unit Instrument Room, including:

2.0 mm 1/6 inch vertical	2.50 mm 1/6 inch vertical
2.10 mm 1/6 inch vertical	2.54 mm and 2.12 mm 1/6 inch vertical
2.12 mm 1/6 inch vertical	2.54 mm 1/6 inch vertical
2.20 mm 1/6 inch vertical	2.60 mm 1/6 inch vertical
2.23 mm 1/6 inch vertical	1/60 inch horizontal and 1/6 inch vertical
2.25 mm 1/6 inch vertical	1/32 inch horizontal and 1/6 inch vertical
2.30 mm 1/6 inch vertical	1/36 inch horizontal and 1/6 inch vertical
2.35 mm 1/6 inch vertical	

### 8.3.6 Galaxy Gauge

### 8.3.7 MicroRef SmartRule

### 8.3.8 Measuring Magnifier

## 8.4

TYPESTYLE MEASUREMENTS AND IMAGES ARE THEN COMPARED WITH KNOWN STANDARDS OF TYPESTYLES:

Hard copies of the Haas Atlas and FBI Standards are stored on the Lansing Laboratory QD Unit bookshelves.

## 8.5 REFERENCES

QD Procedure 6.0 Typewriter Examinations

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[The History and Development of Typewriters](#) - by G Tilghman Richards (1964)

[Osborn's Principles](#) - as Codified by David A. Crown

[A Systematic Method for Identifying The Make And Age-Model Of A Typewriter From Its Work](#) - Ordway Hilton; American Journal of Police Science Vol. 41

[A Note on Identifying Typewriting](#) - by Linton Godown (1962)

[Classified changes in Pica Type Face Design](#) - by Ordway Hilton (1956)

[Measurement Grids and the Contemporary Document Examiner](#) - by Peter Tytell (1986)

[Printwheels](#) - Materials from a Typewriter Examination and Classification Seminar  
ASTM International: **E2494 Standard Guide for Examination of Typewritten Items**