



MAKES IT BRIGHT

## PROPERTY MARKING AS A CRIME COUNTERMEASURE

Police routinely use UV light to detect, identify and return stolen property that has been marked with fluorescent ink.

By using a UV fluorescent marking pen, valuables can be discretely marked with important details such as a name, initials, phone number, case number, date or other information. Police also mark weapons, plastic baggies of narcotics or electronics used in sting operations using this method. Such ink is invisible to the naked eye and is only revealed when illuminated with *UV light*. In case of burglary, the owner of a recovered, stolen item which has been marked in this way can be traced simply by using an ultraviolet lamp.

Other inks work in a near opposite way by *absorbing* ultraviolet light. When they are used on fluorescent paper, the written-on areas fluoresce less than the surrounding paper areas when under an ultraviolet lamp.

Invisible ink pens can be used on most glass, plastic, wood, paper, cloth, and metal surfaces. By illuminating the marked surface with UV light, the marks become clearly visible to police, detectives and pawn shop owners.

## INTERCEPTION OF SECRET MESSAGES

Successful use of invisible ink depends on not arousing suspicion.

Telltale signs of invisible ink, such as scratches from a sharp pen, roughness or changed reflectivity of the paper can be obvious to a careful observer who simply makes use of strong light, a magnifying glass and their nose. Also, key words in the visible letter, such as 'red cabbage' or 'heat', in an odd context may alert a censor to the use of invisible ink.

By using ultraviolet light, messages can be quickly screened for invisible ink and also read without first permanently developing the invisible ink. Thus, if a censor uses this method to intercept messages, he may then let the letter be sent to the intended recipient who will be unaware that the secret message has already been intercepted by a third party.

A "screening station" could theoretically involve visual and olfactory inspection, an examination under ultraviolet light and then the heating of all objects in an oven before finally trying exposure to iodine fumes.

## WHAT MAKES THE LABINO® UV LIGHT UNBEATABLE?

- Its high UV intensity creates new possibilities in the field of crime investigation.
- Labino® high intensity UV lamps are so powerful that they can even be used in normal lit areas or outdoors while still maintaining a high contrast-to-background while maximizing the probability of detecting valuable traces.
- Immediate start and restart – full power in approximately 5-15 seconds.
- Dust tight and temporary water proof, IP65 certified.



### DISTRIBUTOR:



### XSpec Technology Sdn Bhd

No.8, Jalan Industri USJ 1/8  
Taman Perindustrian USJ 1  
47600 Subang Jaya, Selangor  
MALAYSIA  
Tel : +60 3 8023 1161 /2  
Fax : +60 3 8023 1167  
<http://www.xspec.com.my>  
Email: [inquiry@xspec.com.my](mailto:inquiry@xspec.com.my)