

Electrostatic DUST PRINT LIFTER:

for recovering impression evidence like tire-tracks and footprints



The new Electrostatic Dust Print Lifter consists of a high voltage power supply/control unit, a nickel-plated steel ground plane and a metalized lifting medium. Our latest electrostatic lifter uses only one metalized plastic sheet and a metal ground plane. As high voltage is applied to the lifting mat, it takes on a negative charge and the ground plane becomes positive. Any dust present under the mat will take on a positive charge, and will then be attracted to the negatively charged collection mat.

The dust print that is transferred to the lifting mat will appear as a precise mirror image of the original print. The Dust Print Lifter will even lift prints from rough-surfaced floor tile or irregular flooring of any kind.



The Case for Impression Evidence

One of the most overlooked forms of physical evidence at the crime scene is impression evidence. This is largely due to a lack of specific training in the proper search, collection and preservation of impression evidence.

The NOT-SO-APPARENT Evidence...

Locating and recovering the obvious kinds of impression evidence like tire tracks and footprints is not the problem. It's the not-so-apparent kinds of impressions that are difficult to locate and can be accidentally damaged or obliterated during the crime scene search. We are talking about dust print impressions.



Lifting a dust print from a vertical surface

THAT'S WHERE THE NEW DUST PRINT LIFTER BECOMES MOST USEFUL!



Specification:

Dust Print Lifter consists of:

- 1 electrostatic voltage control unit
- 1 ground plane, nickeloid steel 4"x6"
- 1 ground plate Polycarbonate insulating sheet, 5"x7"
- 5 lifting foils 24"x36" (pickup mats)
- 1 insulated mat roller
- 1 static discharge cable
- 2 9V-Alkaline batteries, rechargeable
- 1 battery charger 230V/50Hz (optional: 115V/60Hz)
- 1 roll lifting material (12"x50')
- 1 cutter

Power Input:

Voltage: 7.5 to 9.5V DC

Current: 260mA max @ 9V full load

High Voltage Output:

Voltage: 0 to 10kV +/-10% (negative)

Current: 0 to 100µA +/-10%

Dimensions:

Carrying case: 45x32x10 cm

Weight: approx. 4 kg

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Projectina AG
Dammstrasse 2, Postfach
CH-9435 Heerbrugg
Schweiz/Switzerland

Phone +41-71-727 28 00
Telefax +41-71-727 28 28
E-mail projectina@projectina.ch
Website: www.projectina.ch