



THEFT DETERRENT SYSTEM

Is your community
suffering from
theft?

We have a solution...





Introduction:

TRACE™ Microdot Marking Technology

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- ▶ TRACE™ is a microdot marking and database system for protecting personal or business assets that are prone to theft.
- ▶ The TRACE™ marker allows assets to be uniquely and near-invisibly marked.
- ▶ TRACE™-marked assets can then be easily registered in a secure centralized database accessible only to the asset owner and law enforcement professionals.



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- ▶ The microdot 'tags' are made of nickel, octagonal in shape, 6-10 microns 'thick' and 300-500 microns wide (0.3-0.5 mm).
- ▶ TRACE™ microdot approximate size...
- ▶ The tags feature a unique serial number or brand marking – the Security Identification Code (SIC) – which is etched through the body of the nickel tag.
- ▶ When the mixture of microdots and fluorescent adhesive is applied to an asset, it quickly solidifies and is resistant to common chemicals and most environments.

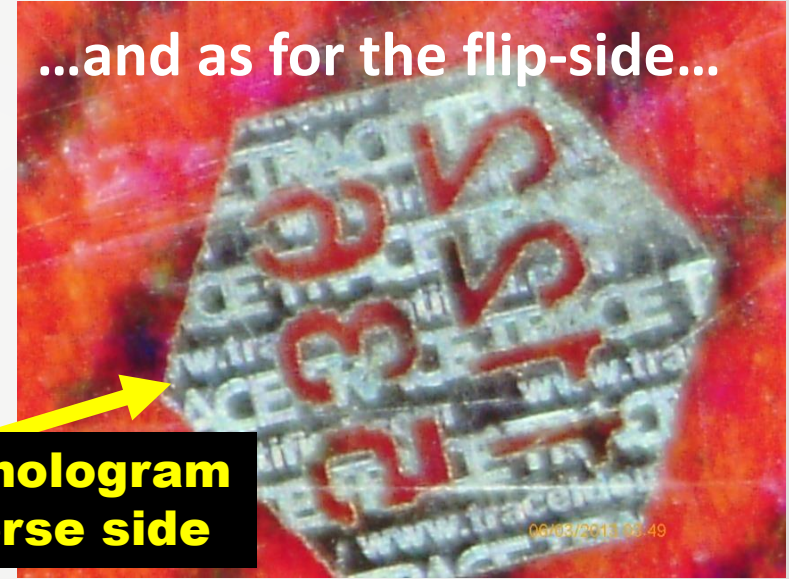
In case you
missed it.





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Introduction:
TRACE™ Microdot Marking Technology



**TRACE hologram
on reverse side**



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WARNING

**PROPERTY MARKED FOR
POLICE IDENTIFICATION.**

THEFT DETERRENT MARKING SYSTEM.



traceidentified.com



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Easy Application / Near Invisible / Durable

- ▶ TRACE™ is easy to apply and the markings are semi-covert.
- ▶ Intentional removal is time-consuming as the markings must first be found, and otherwise risky for criminals as just one detectable microdot remaining is enough to make a positive identification leading to a possible conviction.

“Project Lock Up” Partner

- ▶ TRACE™ is a partner of Alberta’s crime reduction initiative Project Lock Up.
- ▶ Supported by the Government of Alberta, RCMP “K” Division, Rural Crime Watch, Citizens on Patrol, and the Insurance Bureau of Canada.
- ▶ TRACE™ will be used to mark property to assist with the recovery of stolen property, criminal charges being laid, and increased conviction rates.
- ▶ This collaborative strategy will help reduce property theft.



Key Factors for Success

▶ Protection / Application

- Mark assets with TRACE™;
- Register marker and assets on database.

▶ Communications / Education

- Conspicuous signage;
- Internal communications;
- External media cooperation;
- Inform police that assets are marked and registered.



Detection Kits

The Insurance Bureau of Canada is committed to provide all detachments with TRACE™ detection kits...

- ▶ **Ultra-Violet Flashlight (365 to 395nm wavelength)**
 - Used to detect Trace fluorescent markings.
- ▶ **LCD Digital Microscope with 32Gbyte SD memory**
 - 2.8-inch handheld LCD viewer;
 - 200x magnification;
 - View and/or photograph microdots.




Database – Customer Access & Use

- ▶ TRACE™ users can register their pen on the database and create an inventory of items they have marked.
- ▶ For each pen used, users can enter item details and images.
 - For assets ‘fixed’ to a location, e.g., a solar panel, a user can add location details or GPS coordinates.
 - In Notes section a user can indicate where an item was actually marked.

Edit Inventory

Trace™ PIN: DNA

* Item: 1

Select image: 

Allowed image types: .jpeg, .jpg, .png, .gif, .tif
Maximum file size: 3MB

Description: Vintage 10-speed bicycle, yellow and red, Shimano gear set.

Class List: Bicycle

Status: Current Possession

Make: Rocky Mountain

Model: Hammer - 1988

Serial Number: 123-456-789

Note: TRACE markings on
- headstock
- cross-bar
- gear set

Database – Customer Access & Use

- ▶ TRACE™ users can also post missing items to the LOST & FOUND.

The screenshot shows the TRACE website interface. At the top, there is a navigation bar with the TRACE logo, the word "Français", and a user menu for "Welcome, Scott Chacko" with links for Home, Buy Profile, My Inventory, My PINs, Change Password, and Logout. Below this is a red banner with the text "LOST & FOUND". Underneath the banner, a message states: "The following table shows items that have been listed by their owners as either lost or stolen within the last six months." Below the message is a table with the following columns: Item, Make, Model, Serial Number, Class, Incident Location, Incident Date, and Image. The table is currently empty, displaying "No data to display". At the bottom of the table area, there is a footer with "Page 1 of 0 (0 items)" and "Page size: 10".

Item	Make	Model	Serial Number	Class	Incident Location	Incident Date	Image
No data to display							



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Database – Police Access & Use

- ▶ Police can register for access to the TRACE database through a 3-step verification process:
 - Send an email from the police service email address requesting access for a particular user;
 - TRACE™ will contact the police service to verify user credentials;
 - Once confirmed, TRACE™ will email the new user login details.
- ▶ In the event stolen property marked with TRACE™ is located, police can enter the TRACE™ microdot code into the database, and the registered owner of the property can then be identified.



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Application Rules-of-Thumb

- ▶ Apply at 5C to 35C.
- ▶ Adhesive sets in ~30 minutes, and fully cures in 24 hours.
- ▶ For smaller-sized assets like laptops, we recommend marking the item once or twice near the edges and/or a corner.
- ▶ For larger items, mark for every 1m to 2m of perimeter; e.g., for a solar panel that is 1.6m H x 1.0m W (5.2m perimeter) apply ~3 separate marks.

Please refer to the following examples...

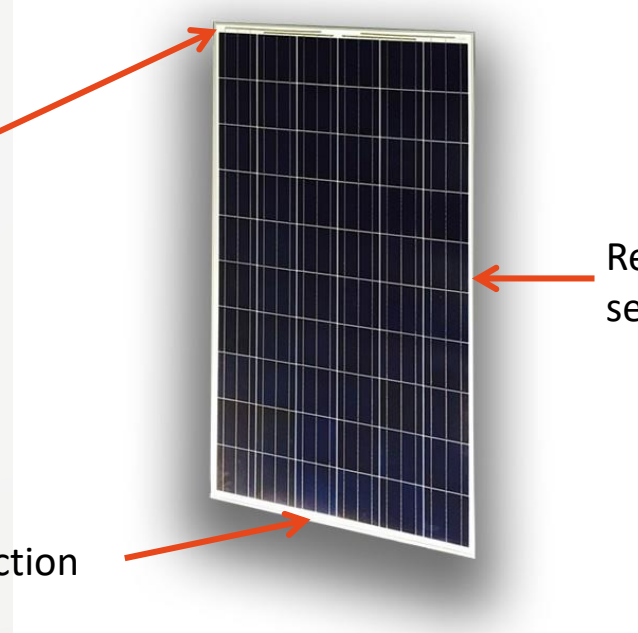
Application Example – Solar Panel

- ▶ Suggest up to 3 applications as illustrated:

Front corner

Front mid-section

Reverse mid-section



Application Example – Battery

- ▶ Suggest up to 2 applications as illustrated:



Application Example – Laptop

- ▶ Suggest 1 or 2 applications as illustrated:





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TRACE™ Identified
info@TraceID.ca