

Can you tell if these  
diamond meleees are natural?



Now identifies synthetic diamonds  
as small as 0.02 ct, instantaneously

**SYNTHETIC DIAMOND SCREENER II**  
**BY PRESIDIUM®**



Able to test on mounted diamonds



## Synthetic Diamond Screener II (SDS II)

is developed by Presidium to help screen out Type IIa colorless diamond from the natural Type Ia colorless diamond. This includes screening out chemical vapor deposition (CVD) and high pressure high temperature (HPHT) created diamonds which are typically Type IIa.

This portable device works quickly and can be used on both loose and even mounted colorless diamonds.

## FEATURES

- ◆ Works on colorless diamonds from D color to J color, on any cut

- ◆ 2 color coded indicator light bars to give clear results of Natural Diamond (blue light) and Type IIa Diamond (red light)

- ◆ Mini probe with blue illumination for clear viewing of test pad

- ◆ Auto-Alert function when stone is not properly placed on test pad

- ◆ Convenient 5mm bar to raise the test probe for successive testing on loose stones



# THE TYPES OF DIAMONDS

Diamonds can be classified into two Types.

Most Common Colors for  
Diamond Types



**Type I**  
(N impurities)  
Diamonds  
with Nitrogen

**98%**

of all diamonds

**Type Ia**

(aggregated  
N impurities)

**Colorless**

Brown  
Yellow  
Orange  
Pink  
Violet  
Green

**0.1%**

of all diamonds

**Type Ib**

(isolated single  
N impurities)

Brown  
Yellow  
Orange



**Type II**  
(no N impurities)  
Diamonds  
without Nitrogen

**1.8%**

of all diamonds

**Type IIa**

(no N or boron  
impurities)

**Colorless**

Brown  
Pink  
Green

**0.1%**

of all diamonds

**Type IIb**

(boron impurities)

Blue  
Gray

## Synthetic Diamonds

Currently, known synthetic colorless diamonds are typically Type IIa diamonds. Type IIa colorless synthetic diamonds, also known as diamonds that are “lab-grown”, “man-made”, “created” or “cultured”, are diamonds that are created from chemical vapor deposition (CVD) or high pressure high temperature (HPHT) syntheses. They can also be CVD diamonds that have undergone HPHT treatment to change its color.





**PRESIDIUM**<sup>®</sup>

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