



J-CERTAIN MASSIVE TECH LAB

ASSURE PARTNER | ASSURE TEST NUMBER: 94666

J-Certain is a desktop diamond verification instrument for loose and mounted Diamonds. J-Certain is designed to separate synthetic diamonds from diamonds. J-Certain is manually operated but gives an automatic test result. J-Certain is suitable for an environment where you need to test both mounted and loose diamonds e.g. dealers, diamond and jewellery manufacturers, retailers, buyers and gemmological laboratories.

13,999 USD (May 2019)

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How does the instrument operate?

The user manually places the loose or mounted stones inside the specially designed test chamber of the instrument for different shapes of jewellery. To start the testing, the user closes the test chamber and press the start button.

J-Certain automatically makes a measurement and displays one of the following results:

- ◇ 'Diamond'
- ◇ 'Synthetic diamond'
- ◇ 'Check with fluorescent light'



 43cm (w) x 34cm (d) x 52cm (h)

 22kg

Stone Capabilities

Weight of stones: **0.002ct - 10ct**
 Size of stones: **0.1mm+**
 Colour of stones: **D-Z**
 Shape of stones: **ALL**
 Diamond simulants: **NO**
 Jewellery: **YES**

Instrument Capabilities

Automatically feed the stones? **NO**
 Automatically interpret the results? **YES**
 Automatically dispense the stones? **NO**
 Detect or refer synthetic diamonds? **DETECT**
 Multiple stones at one time? **YES**
 Training? **NO** Review of user manual and operation video will be sufficient

ACCORDING TO MASSIVE TECH LAB

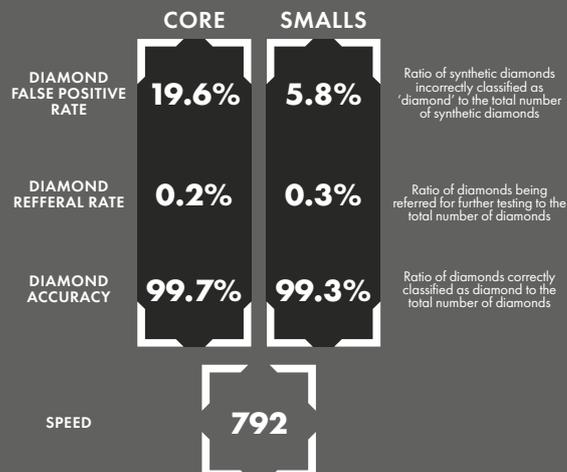
Test Procedure

J-Certain was tested in accordance with the Diamond Verification Instrument Standard with the test protocol for instruments that separate diamonds from synthetic diamonds (Operation Category 1). The tests took place at the independent laboratory UL in Canton, Massachusetts, United States.

J-Certain was tested with the ASSURE Core Sample (0.02 ct to 0.20 ct in D-J colour) and ASSURE Smalls Sample (0.005 ct to 0.02 ct in D-J colour). Both sample sets consist of 1,000 diamonds and 200 synthetic diamonds.

The tests were performed by a novice operator.

Test Results



The test report including more detailed test results can be [found here](#).

The report was issued 05/2019.

Safety Credentials

The most important requirement when selecting a Diamond Verification Instrument is that the instrument meets the safety regulations of your local jurisdiction. Before purchasing an instrument, request that the manufacturer verifies that their instrument complies with all regulatory requirements.

[Click here](#) to download the safety testing credential for J-Certain submitted by Massive Tech Lab. Please note that the safety testing credentials have not been validated through the ASSURE Program.