



## D-Secure+



D-Secure+ is a desktop diamond verification instrument for mounted and loose stones, designed to separate synthetic diamonds from diamonds. D-Secure+ is manually operated but gives an automatic test result.

D-Secure+ makes a measurement and displays one of the following results:

- ◇ Diamond
- ◇ Synthetic diamond
- ◇ Check with fluorescent light
- ◇ Clean and recheck

In case of a query, D-Secure+ software has a troubleshoot option that connects the user with the DRC Techno Support team.

### Stone Testing Capabilities

Weight of stones:	<b>0.003 ct+</b>
Size of stones:	<b>0.7 mm+</b>
Colour of stones:	<b>D-K</b>
Shape of stones:	<b>All</b>
Diamond simulants:	<b>No</b>
Mounted stones:	<b>Yes</b> flat jewellery, not yet ASSURE Tested

### Instrument Capabilities

Automated feed:	<b>No</b>
Automated results:	<b>Semi-automatic</b>
Automated dispense:	<b>No</b>
Detect or Refer (synthetic diamonds)	<b>Detect</b>
Detect or Refer (diamond simulants)	<b>N/A</b>
Multiple stones at once:	<b>Yes</b>
Training required:	<b>No</b>

### Instrument Performance

The results demonstrate the performance of the D-Secure+ tested by an expert operator:

	<b>Core Sample</b>	<b>Smalls Sample</b>
<b>Diamond False Positive Rate</b> <i>Optimal rate 0%</i>	<b>14.1%</b>	<b>3.1%</b>
<b>Diamond Referral Rate</b> <i>Optimal rate 0%</i>	<b>N/A</b>	<b>N/A</b>
<b>Diamond Accuracy Rate</b> <i>Optimal rate 100%</i>	<b>94.7%</b>	<b>96.4%</b>
<b>Speed</b> <i>Stones tested per hour</i>	<b>948</b>	<b>948</b>

### Instrument Specifications

**33.5 cm (w) x 30.5 cm (d) x 40.5 cm (h)**

**22.5 kg**

**11,999 USD** August 2019

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