



J-Smart



J-Smart is a desktop diamond verification instrument for loose and mounted diamonds designed to separate synthetic diamonds from diamonds. J-Smart is manually operated but gives an automatic test result.

J-Smart automatically 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, J-Smart software has a troubleshoot option that connects the user with the DRC Techno Support team to get instant response.

Stone Testing Capabilities

Weight of stones:	0.003 ct+
Size of stones:	0.7 mm+
Colour of stones:	D-K
Shape of stones:	All
Diamond simulants:	No
Mounted stones:	Yes not yet ASSURE Tested

Instrument Capabilities

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

Instrument Performance

The results demonstrate the performance of the J-Smart tested by an expert operator:

	Core Sample	Smalls Sample
Diamond False Positive Rate <i>Optimal rate 0%</i>	10.6%	4.7%
Diamond Referral Rate <i>Optimal rate 0%</i>	N/A	N/A
Diamond Accuracy Rate <i>Optimal rate 100%</i>	88.0%	96.8%
Speed <i>Stones tested per hour</i>	1,103	1,103

Instrument Specifications

 **41 cm (w) x 39.5 cm (d) x 47.5 cm (h)**

 **30 kg**

22,499 USD August 2019

drctechno.com

info@drctechno.com

+91 990 9990 884

ASSURE Tested August 2019

ASSURE ID 18549