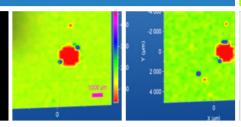




## Automated DLC Coating Analysis

For industrial, research and quality control testing applications of **DLC** coatings

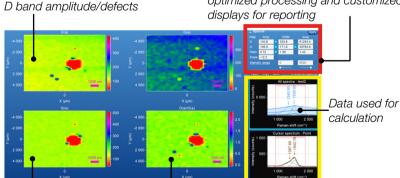




"Diamond Like Carbon" is a thin carbon coating used to protect materials. It is commonly used in the hard disk drive industry due to its excellent protective properties and wear resistance. It is also used for similar reasons in high performance engines, where it can provide excellent protection of engine parts being used at very high speeds/temperatures.

Raman is an ideal technique for both research and industry offering high quality data, reliably and with significant speed advantages over other analytical techniques. Benefits for the analysis of DLC coatings not only includes the vast range of samples that are suitable for analysis but also the high information content - provides improved value for money.

The **DLC App** joins the LabSpec6 Software Suite and ensures rapid and reliable § analysis in one click!



G band width/ size of sp<sup>2</sup> cluster/thermal degradation

Intensity ratio between G and D band/ quality and hardness of DLC coating

## info.sci@horiba.com

+1 732 494 8660 USA: UK: +44 (0)1604 542 500 China: +86 (0)21 6289 6060 Taiwan: +886 3 5600606

France: +33 (0)1 69 74 72 00 **Italy:** +39 06 51 59 22 1 India: +91 (80) 4127 3637 Brazil: +55 (0)11 2923 5400

Germany: +49 (0) 6251 8475 0 Japan: +81(75)313-8121 Singapore: +65 (6) 745-8300 Other:

Automatic DLC homogeneity

Defects and disorder in material

and quality testing

Hydrogen content

data sets

Analysis Report template

Single point data to large map

+33 (0)1 69 74 72 00

www.horiba.com/scientific

calculation

Automated analysis of DLC coating using optimized processing and customized

Explore the future

Automotive Test Systems | Process & Environmental | Medical | Semiconductor | Scientific



HORIBA