

Graphtec Technical News Vol.4

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Sub: For safety use of your device from static electricity

To valued partners,

Thank you for your support Graphtec users always.

Recently, there have been a few cases of the board damage due to static electricity when using cutters in the automotive film industry.

The materials used in this application are prone to static electricity and problem is easy to occur with further dry environment.

Proper grounding is very important to prevent sparks, which can cause damage during operation, so be sure to ground the product to discharge static electricity to outside. Especially, when power is supplied through a table tap etc., it is required to be careful whether the ground is connected.

In addition, please make sure to use a media basket.

This is the standard accessory for FC9000 series and uses a conductive fabric that can keep static electricity away from the main unit, which is an effective countermeasure against static electricity.

As with the cutter products, static electricity is the biggest cause of damage to the CIS sensor in the case of scanners. Especially be careful when using the carrier sheet.

Also, with data logger, noise can cause incorrect measurement or damage to amplifier unit by static electricity when measuring, therefore grounding is very important.

When connected to the device to be measured, electrostatic discharge from it may damage the input/output section of the data loggers. To prevent this static damage, the static electricity must be intentionally discharged before connecting the device to be measured to data loggers.

Specifically, a lead wire is prepared and one end of it is connected to a ground terminal such as a measuring instrument. And then, the other end is connected to the measuring point of the device to be measured and connect the module to the measuring point after the accumulated static electricity is discharged to the ground.

Please make sure to ground your device again so that you can use it safely.

Thank you for your attention and kind cooperation.

If you have any questions about this, please do not hesitate to ask us.

Sincerely regards,

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