Laser Safety Bulletin – Trendsetter Products

DANGER: All Trendsetter devices are safe Class 1 laser[1] products when the interlocked panels are properly installed. Removing the panels and using the safety interlock override keyswitch re-enables potential mechanical and Class 4 laser[2] safety hazards.

This bulletin explains the correct use of the SIO keyswitch.

The Creo policy on use of the safety interlock override keyswitch is to permit the temporary re-enabling of potential laser hazards and/or mechanical hazards only when required. The safety interlock override keyswitch should only be used as long as is necessary to perform a specific service procedure. The device should never be left in an overridden state.

Only properly trained service personnel (including trained customers who are part of the Joint Service Maintenance Program) are authorized to hold and/or use a safety interlock override key.

Laser Hazard Keyswitch Position

There are only two service procedures that require the use of the safety interlock override:

- To align the plate flyoff sensor on Proofsetter Spectrum and VLF devices
- During head installation on all devices, to enable the focus laser to permit alignment.

There are no other acceptable reasons to put the service interlock keyswitch into the laser hazards mode.

If you must use the laser hazards keyswitch position, for your safety and the safety of others near the device, follow the service procedure precisely.

- On TH1.0 equipped devices, you must use the "set head wenable 0" and "nvs save head" commands prior to using the keyswitch in order to prevent accidental activation of the write laser.
- When doing a head installation, load a plate and position the thermal head before using the laser hazard keyswitch position.

[1] Class 1 - Safe under all viewing conditions
[2] Class 4 – Hazardous under all viewing conditions, even under diffuse reflection

Mechanical Hazard Keyswitch Position

If mechanical activation is required during service, use only the mechanical hazards keyswitch position and the "mask door creo" command.

Do not put the keyswitch into the laser hazards position to avoid typing this command.

Remember that remote service is able to activate certain mechanical hazards (such as the carriage, drum, etc) without warning when the interlocked panels are open and the keyswitch is in the laser or mechanical override position.