Format Flash Drive for Tencor SOP

# Purpose and Scope

This document instructs how to format a flash drive compatible with the Tencor P-10 and P-20 Profilometers and Tencor Flexus 2320 Film Stress Analyzer. These Tencor tools use an operating system designed for use with a specific removable media: 3.5 inch floppy drives. Because 3.5 inch floppy drives are no longer accessible, use of a flash drive specifically formatted for use with that operating system is required. Any flash drive inserted into the USB port of the Tencor tools will only be recognized by the computer if it is first formatted by that computer. This SOP explains how.

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# Reference Documents

| Reference Documents | SOP Number or link |
| --- | --- |
| User Guide | <https://www.nanofab.utah.edu/documents/2016/02/smbb-user-guide.pdf/> |

# Acronyms, Abbreviations and Definitions

| Term | Description |
| --- | --- |
| SOP | Standard Operating Procedure |

# Equipment and Supplies

| Description |  |
| --- | --- |
| Tencor Computer | Located in the Metrology bay |
| Thumb drive | Purchase from Staff |

# Safety

Follow all Nanofab Metrology Bay safety procedures.

# Job Breakdown – Format Flash Drive

|  |  |  |  |
| --- | --- | --- | --- |
| A | **Prepare to Format**   1. Locate the Tencor Computer and its USB port. 2. Verify the computer is on and the screen displays. 3. If in Windows, exit Windows by either closing the file from the upper left hand corner of the window or simultaneously selecting the three buttons: CTRL-ALT-DELETE. A DOS prompt will appear:  C:\> |  |  |
| B | **Format**   1. At the DOS prompt, type:  format a:  then press the ENTER button. The following will be displayed:  Insert new diskette for drive A: and press ENTER when ready 2. Insert the flash drive  Note that the order of these steps affects formatting success. If the flash drive is inserted before the computer is started, it will detect a drive that it cannot read and display an error. The way past this error is to remove the flash drive and restart the computer with an empty USB port. 3. Press ENTER. The screen will display formatting progress, then report a total disk space in bytes. It will ask whether you want to name the drive and whether formatting another flash drive is needed. Enter a name if desired. 4. If formatting another drive, remove the first drive, insert the next drive, then type the letter Y. 5. Repeat until all drives needed are formatted and named if applicable. 6. Press CTRL-ALT-DEL to return to Windows. |  |  |

# Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| Rev | Date | Originator | Description of Changes |
| 1 | 12 Dec 2023 | Kathy Anderson | Initial Release |