

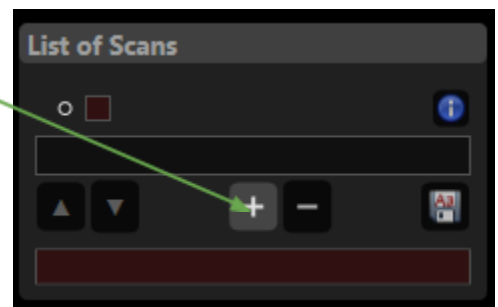
## I. GETTING SETUP FOR DAVID FUSING

1. [Download the david software](#) on any windows computer
  - a. If you are working in AISOS (Heller 431) make sure you schedule time in the aisos calendar
2. Plug in your external HD
3. Open your [data spreadsheet](#), identify the specimen you will fuse

4. Open the david / HP software  or  whichever is available on that computer

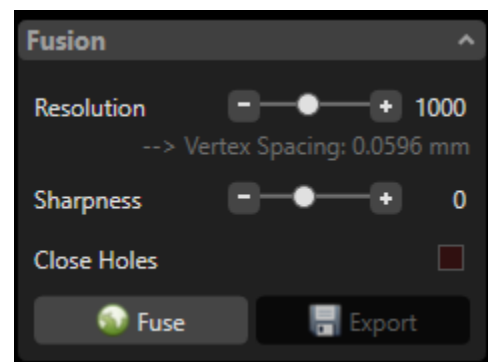
5. In the **Shape Fusion tab** (should automatically open to this tab), on the right hand side of the software, click the + within the box labeled “**List of Scans**”

- a. Navigate to the TO BE FUSED folder in your Working Files folder,
- b. Open the folder of the specimen you wish to import,
- c. Select all scans (Ctrl + a; OR click and drag; OR choose the first scan, scroll to the bottom, hold select and click the last scan) and click “Open”



## II. DAVID FUSING

6. On the left hand side locate the box labeled “**Fusion**”
  - a. Use the +/- buttons to change the **resolution** so that the vertex spacing is as close to 0.05mm as possible
    - i. If the options are 0.6 and/or 0.4, go with 0.4.
  - b. **Sharpness** should be 0
  - c. **Close Holes** box should be **UNCHECKED**, or set to 0%.
  - d. Click fuse!



## III. RECORDING YOUR DATA

7. Open your [data spreadsheet](#)
  - a. Locate the specimen you are working with and record:

- i. the **date** that the specimen was fused
- ii. The **resolution** value
- iii. The **vertex spacing** in mm (located below the resolution value)
- iv. The **sharpness** (ALWAYS SHOULD BE ZERO)
- v. **Close Holes** (should be 0% ALWAYS)

#### IV. SAVING YOUR FUSED SCAN

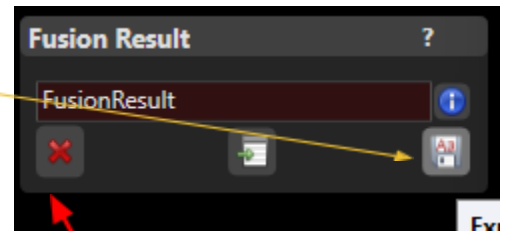
8. On the right hand side locate the box labeled **"Fusion Results"** and **click save** (bottom right corner)

- a. Navigate to the folder "TO BE CUT OUT"

- i. The specimen file type should be .obj
- ii. Change the name from FusionResult to specimen ID\_fused

1. Ex: SWT???-??\_fused

9. Navigate to the original folder in the WORKING DOCS→ TO BE FUSED, drag that folder into DONE FUSED folder



#### V. GETTING SET UP FOR THE NEXT SCAN

10. On the right hand side locate the box labeled **"Fusion Results"** and click the **red X** (bottom left corner) to return to the individual scans

- a. Select all the scans by clicking the box above the list of scans then select the minus button to remove the scans from the software.

11. [RETURN TO THE TOP OF THE DOCUMENT TO START THE NEXT SCAN](#)

