

Mountains 8 software

- 5 types of products
 - Mountains Map Premium: High-end surface metrology & analysis software compatible with all profile & real surface measuring instruments
 - ➤ Mountains Map Expert:
 - Mountains Map Imaging Topography
 - Mountains Map Topography
 - Mountains Map Profile

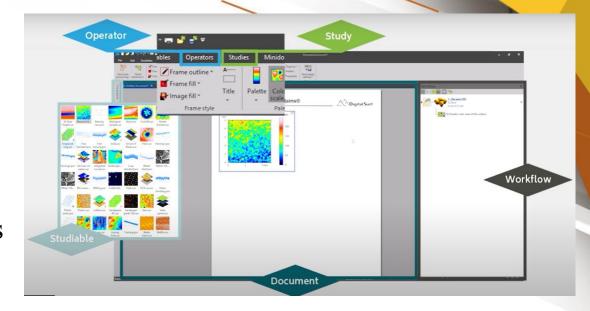
MOUNTAINSMAP IMAGING TOPOGRAPHY

- Surface imaging, analysis and metrology software
- ♦ Data for the software can get into 2 ways:
 - > From the profilometers through usb connection directly
 - > By uploading studiables in supported file formats like csv, jpg and etc.



Features of Software

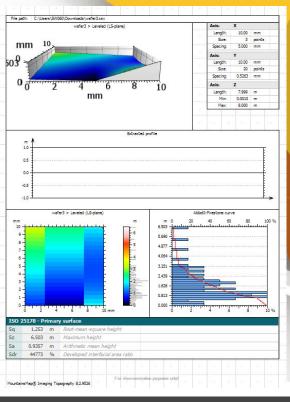
- 5 important things in the software
 - > Studiable
 - Profiles: Profilometers
 - Surface data: Profilometers
 - Image data: Microscope
 - Operator: Tool to used to modify studiables
 - All the operator dialog box has 3 sections
 - Original studiable
 - Operator settings
 - Resulting studiable
 - > Study: Frame of data with analyzed pattern (not modify the studiable like operator)
 - > Document: Studies saved in some sheets
 - Editable
 - Publishable
 - Saveable
 - Usable as template
 - > Workflow: Interactive tree which shows relations between studiables, study and operators
 - blue => studiable, orange => operator, black => study

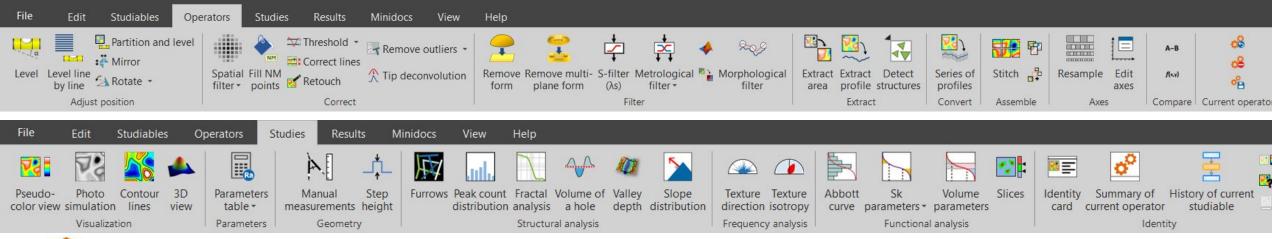




Usage of Software

- Change the surface to 3D view
- Visualize the contour lines
- For the inspection, we can extract the particular **surfaces** and **profiles**
- ❖ Generate **Parameters table** for many standards (ISO 25178)
- ❖ Take Manual measurements (distance between two points)
- Save the document as **pdf** for future showcase
- Save the document as **mnt** file for a template

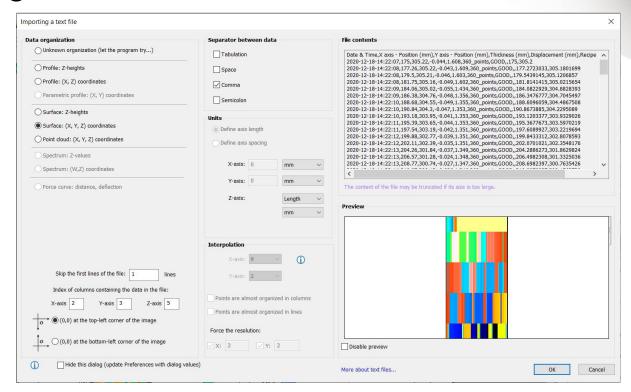






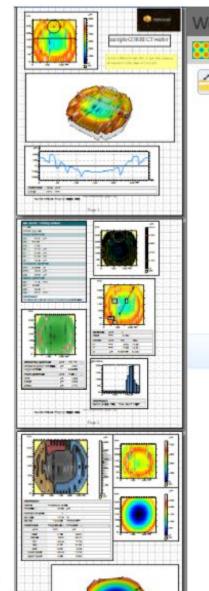
Load a studiable

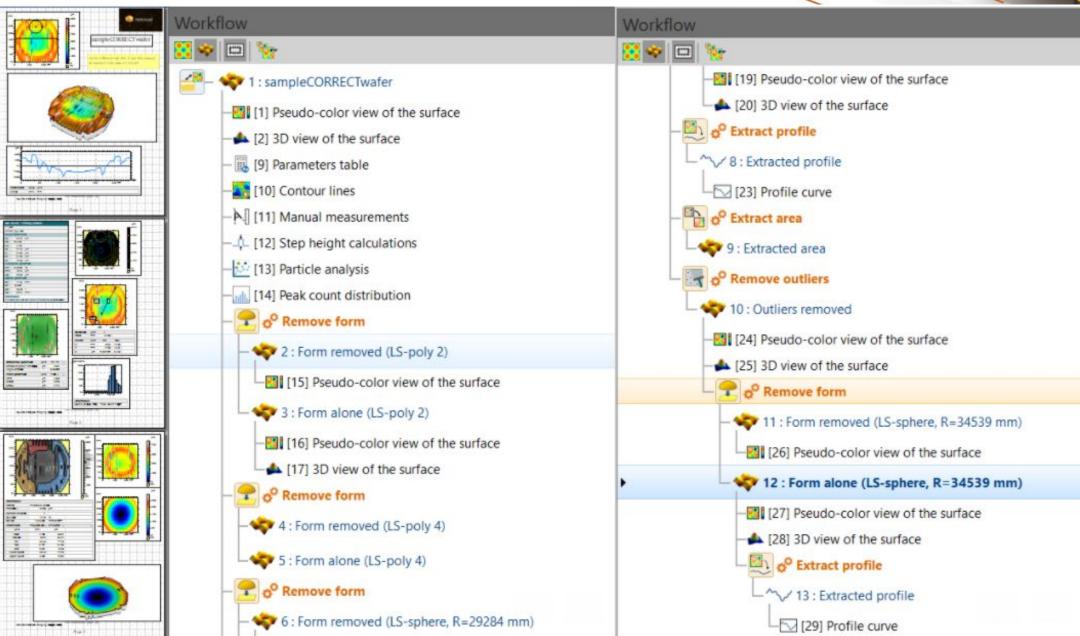
- CSV, XML and DAT are the some of the file formats which can be supported by Mountains Map Imaging Topography
- Data can be loaded as profile or surface
- A Can be skipped particular number of first lines (here, it's one)
- Need to provide X, Y and Z by providing the column positions in the loading data
- We can view the data in File contents section
- Preview of the studiable also can be seen in right down corner section





Document sheet of sample study







REFERENCES

☐ Video tutorials for Mountains® analysis software users

- ☐ MountainsMap® 8 | key features
- MountainsMap Imaging Topography





