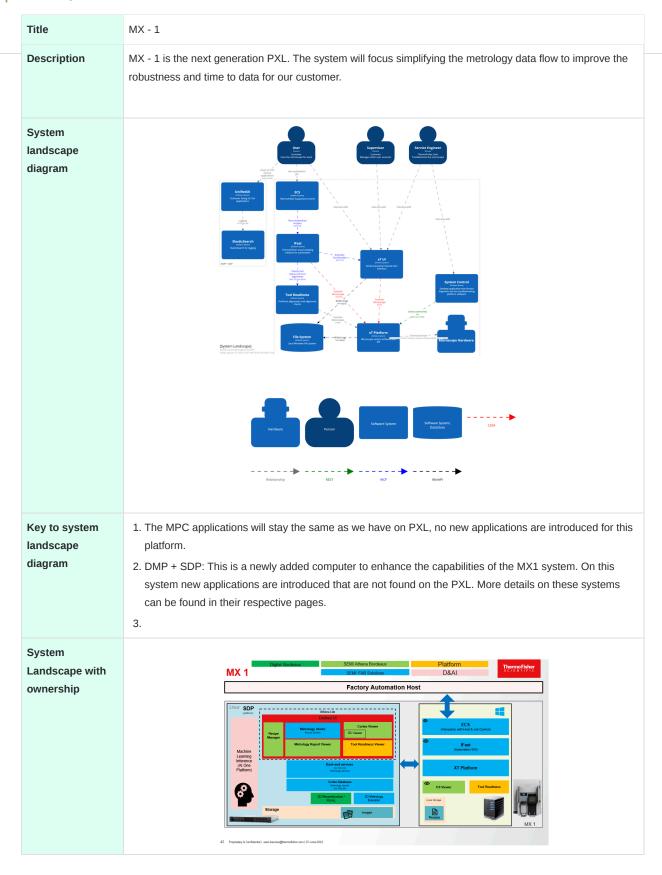
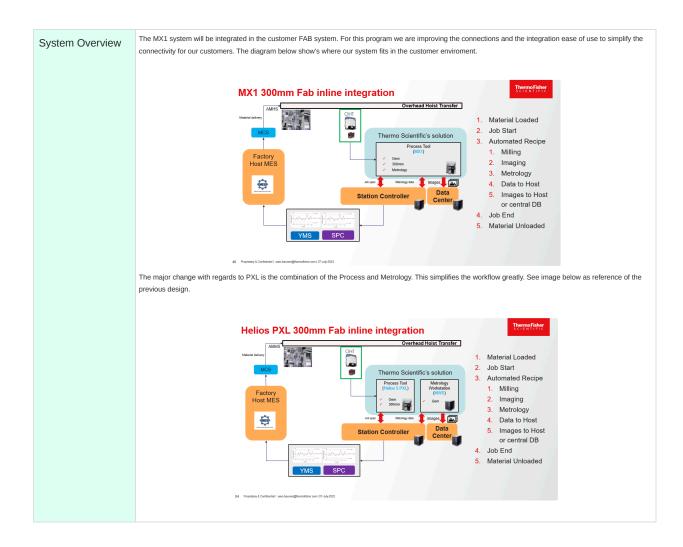
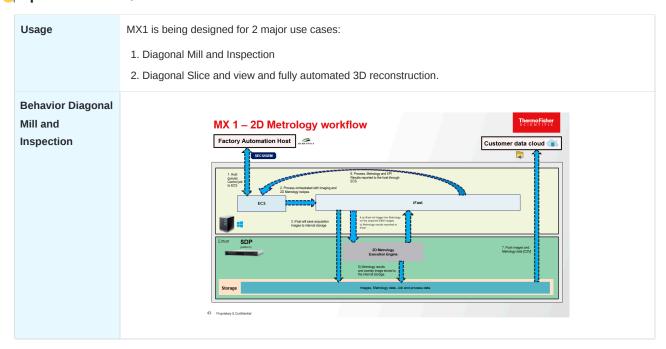
MX - 1 Architecture

> MX - 1 ⊘

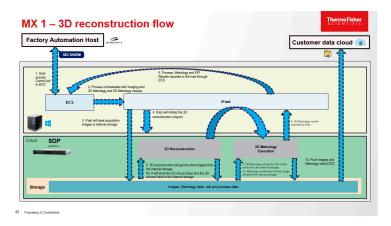




Specifications @

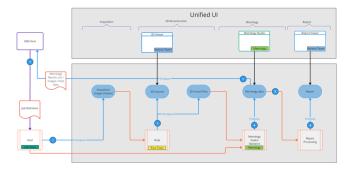


Behavior 3D reconstruction



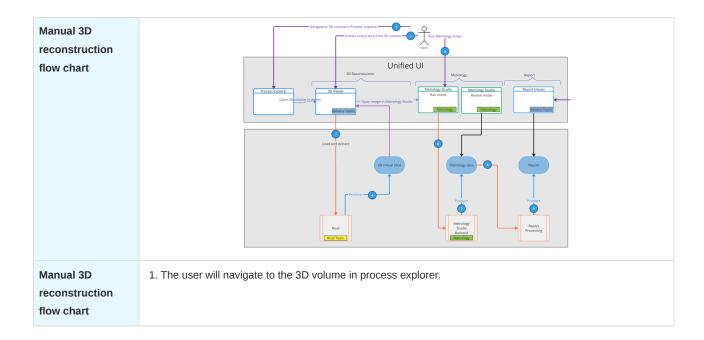
Automated 3D reconstruction flow chart

For the 3D reconstruction there is a fully automated use case, but also a manual use case where the user can extract more virtual slices from the 3D volume and run metrology on it. See the diagrams below for more details.



Automated 3D reconstruction flow chart

- 1. The host will send a control job to the MX1 system. The for the 3D workflow, the recipe needs to have a 3D reconstruction activity configured.
- 2. iFast will acquire the images and store them on the SDP platform. Every image is passed to the RIVAL engine to start pre-processing the acquired images.
- 3. Once all the images are acquired by ifast RIVAL will generate the 3D volume and store it back on the shared hard drive. It will also generate all the virtual slices as configured and will return to ifast when completed. (This will happens asynchronously so ifast can keep processing.)
- 4. iFast will call Metrology studio with the list of images so it can start generating the metrology data for all virtual slices.
- 5. We need to send all the metrology data to the customer host system. We will get this data from the Metrology studio database where this information is stored.
- 6. We also have a report viewer synced up to this database to view the results in the report viewer as well.



▲ Additional guidance *⊘*

Content	•
Accessibility	•
Mobile	•
Best practices	•
Related	•