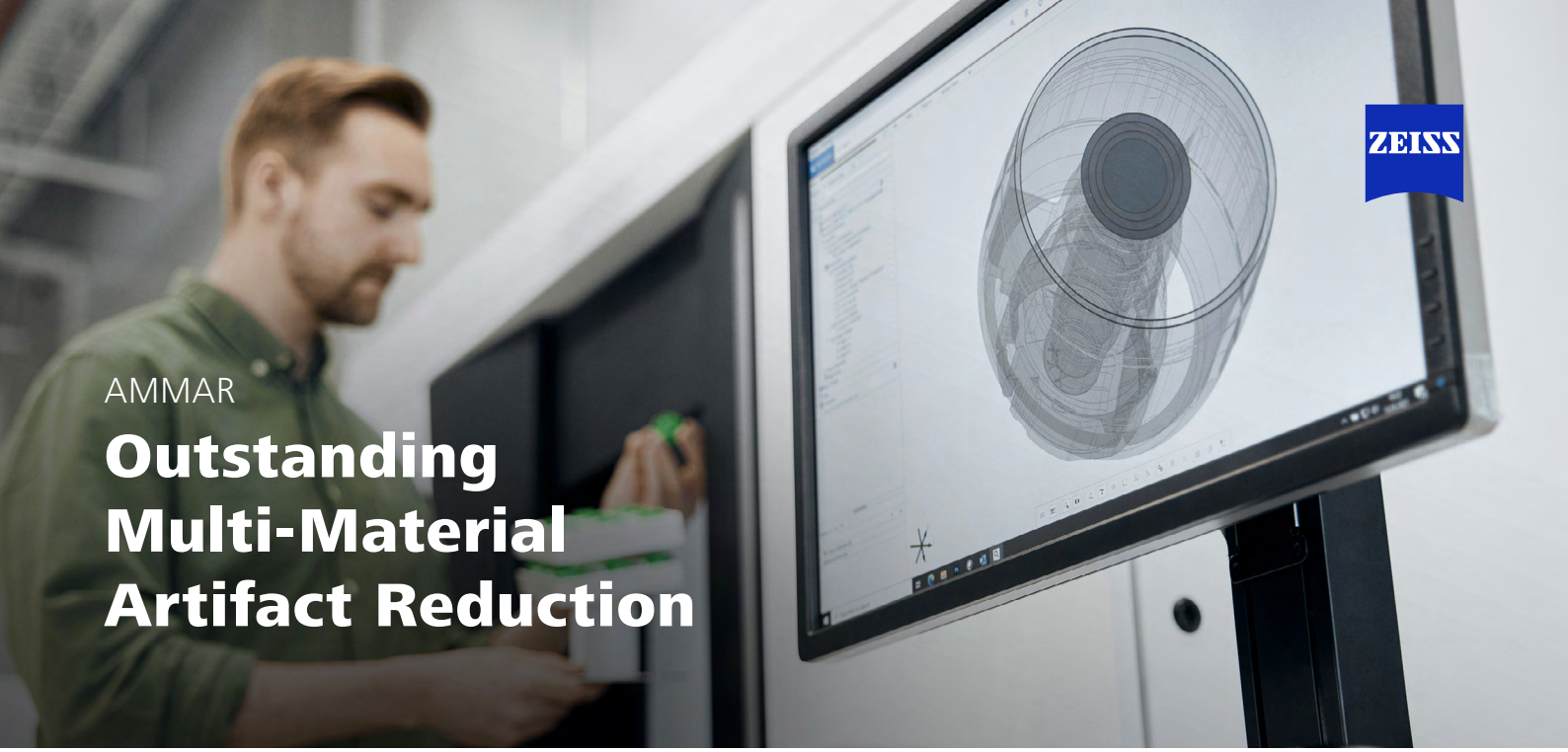
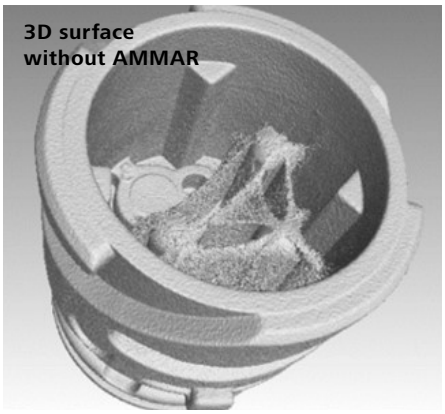
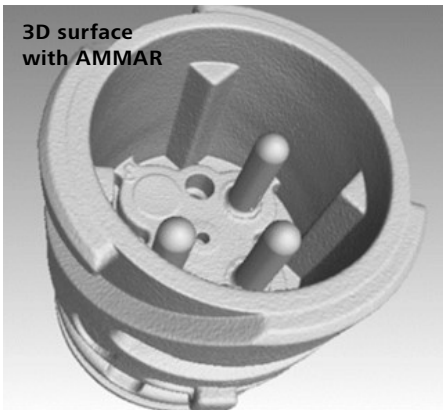


AMMAR

Outstanding Multi-Material Artifact Reduction

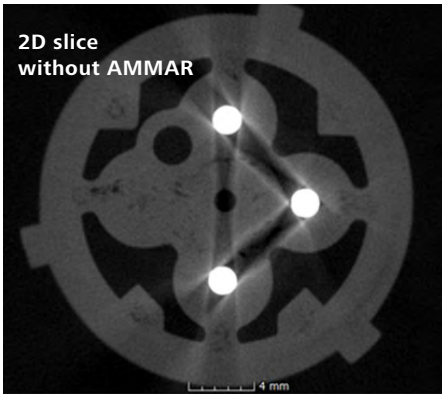
AMMAR (Advanced Mixed Material Artifact Reduction) is an integrated software solution for ZEISS METROTOM that enables nondestructive inspections and measurements of difficult mixed material parts, such as plastic connectors with metal inserts.

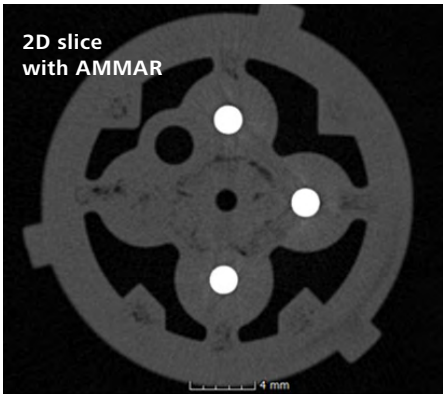




Artifacts caused by metal pins make proper evaluation or surface determination impossible.

With the AMMAR software solution artifacts are significantly reduced, making a proper evaluation possible in both 2D and 3D.





Technical Information

When scanning plastic embedded metal parts, artifacts can appear around the metal material due to the different absorption behavior of the two materials. The plastic around the metal cannot be inspected properly as the inspection is affected by those artifacts. Thanks to the AMMAR correction, these artifacts are significantly reduced.

Benefits of AMMAR

Benefit from AMMAR with:

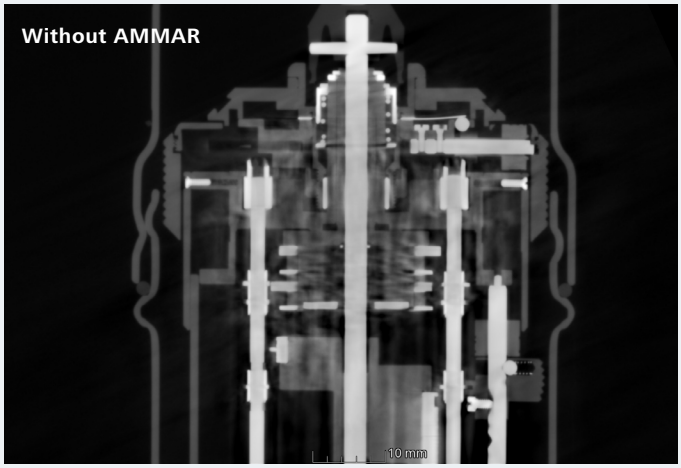
Higher Image Quality
Advanced reconstruction method considering different materials and ensuring a significant improvement of the image quality.

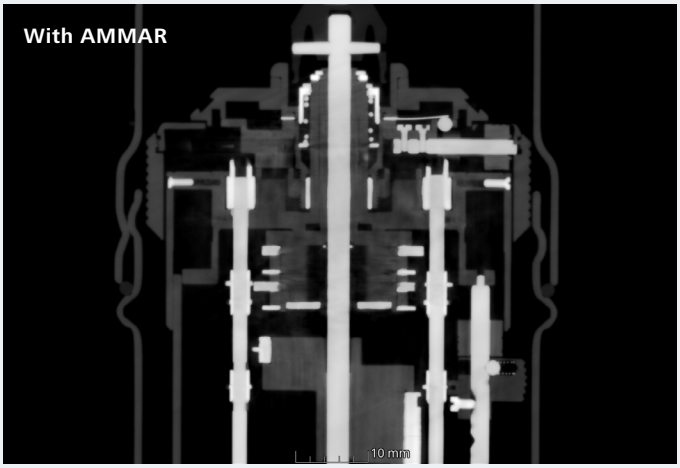
Optimized Evaluation
Improved image quality with AMMAR ensures better and more reliable subsequent evaluation, e. g., assembly control, metrology, or defect analysis.

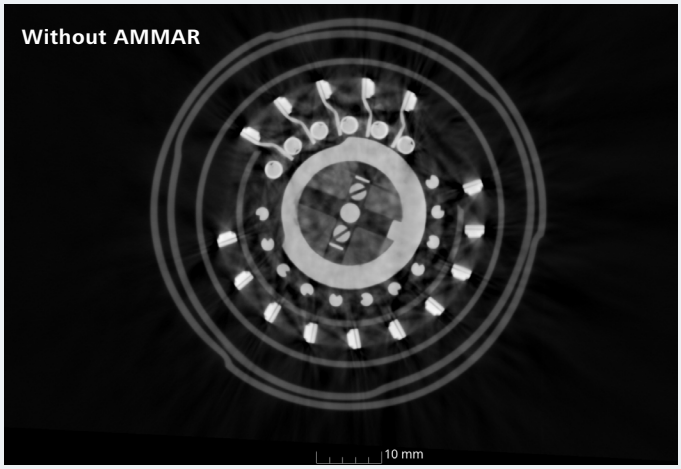
Scans for Complex Metal Compounds
AMMAR cannot only be used for the combination of one type of plastic and one type of metal but also for several complex materials combined in one part, such as copper and steel pins with plastic housings.

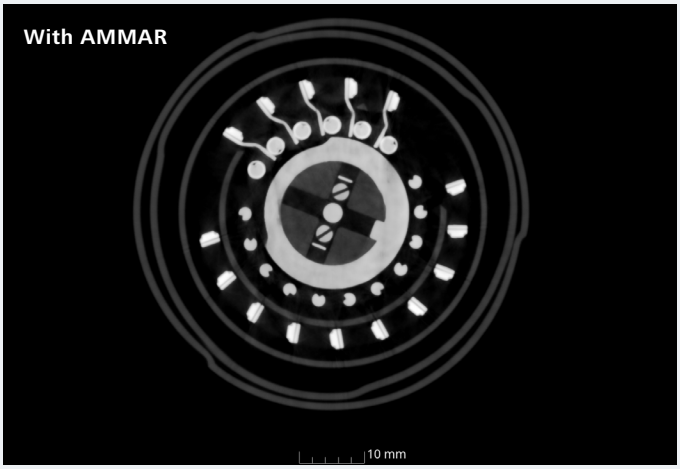
Enhanced Image Quality

Check out the 2D slices with and without the AMMAR correction.
The following complex assemblies are an example of materials with different kinds of metal.









Learn more