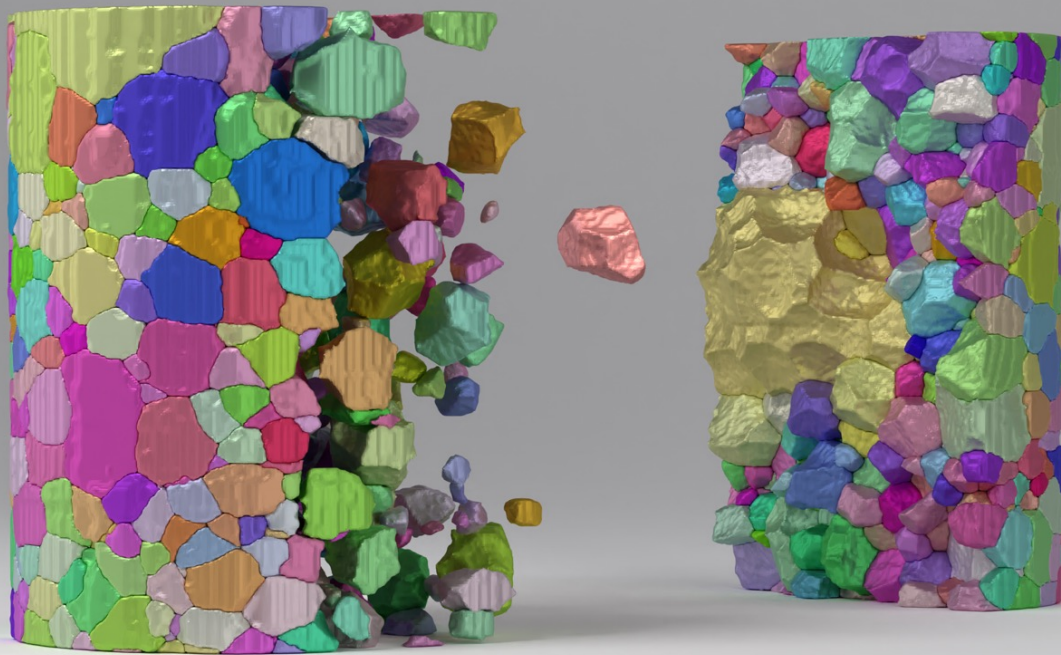
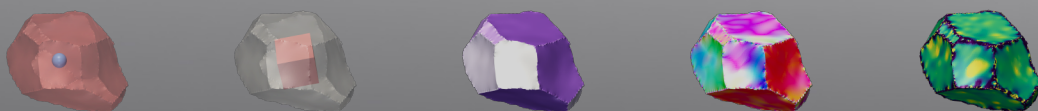




GrainMapper3D™

*Non-destructive 3D Grain Mapping Solution for
Lab-based Diffraction Contrast Tomography*

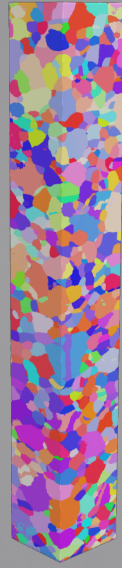


GrainMapper3D™ is the engine powering Lab-based Diffraction Contrast Tomography solutions offered on ZEISS Xradia Versa **LabDCT Pro™** and **CrystalCT™**, enabling non-destructive 3D crystallographic imaging of polycrystalline samples in your home laboratory. Available information from 3D grain map represented for an individual grain: (left to right) grain centroid position, grain orientation, grain boundary misorientation angle, grain boundary plane inclination and grain boundary curvature.

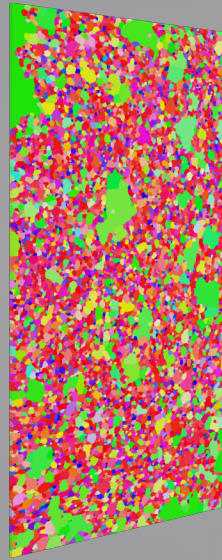
Application Gallery



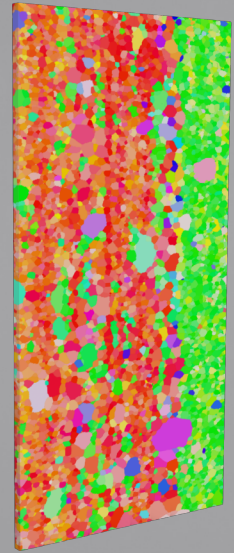
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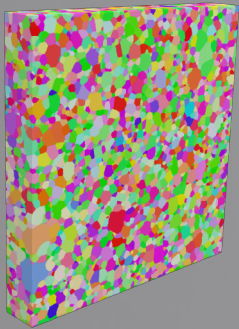
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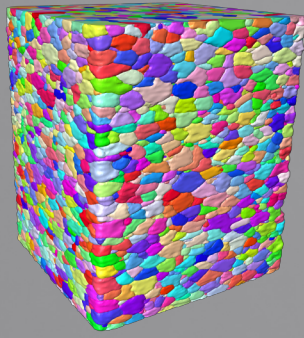
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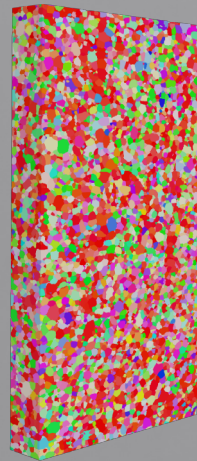
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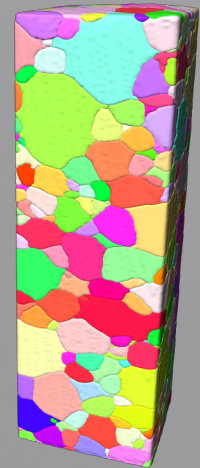
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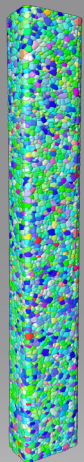
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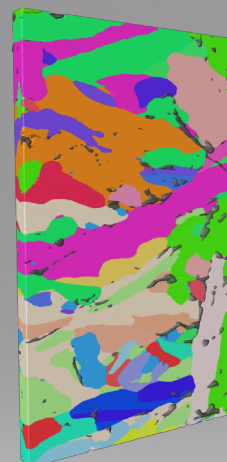
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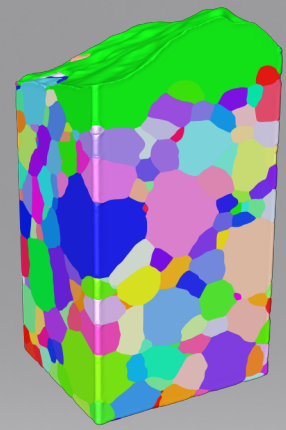
9



10



11



12

- 1 Low carbon steel, cubic, 2×0.4×0.4 mm (Prof. M. Kimura, KEK)
- 2 316L stainless steel, cubic, 4.4×0.7×0.7 mm (Prof. G. Winther, DTU)
- 3 Electrical steel, cubic, 40×20×0.4 mm (Prof. P. Yang, USTB)
- 4 Electrical steel, cubic, 4×2×0.08 mm (Dr. L. Meng, CISRI)
- 5 Electrical steel, cubic, 3×3×0.4 mm (Dr. I. Petryshynets, SAS)
- 6 Casted Al alloy, cubic, 3.5×2.7×2.7 mm (Ms F. Xue, BaoWu Steel)

- 7 AA5657, cubic, 4×2×0.6 mm (Dr. R. Sanders, Novelis)
- 8 Ti alloy, cubic, 3×1×0.8 mm
- 9 Ti alloy, hexagonal, 20×3×0.4 mm (Dr. C. Ribart, Mines ParisTech)
- 10 Ni superalloy, cubic, Ø~2×9 mm (Dr. A. Barbeau, SAFRAN)
- 11 Cast Si, cubic, 12×7×0.6 mm (Prof. A. Shahani, Univ. Michigan)
- 12 SrTiO₃, cubic, 1.2×0.8×0.8 mm (Prof. A. Krause, Univ. Florida)



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Innovative 3D X-ray Imaging Solutions