3D TOMOGRAPHY SOFTWARE SOLUTIONS

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PRESS RELEASE

DIGISENS launches the 3.4 version of DigiXCT®

Digisens is proud to announce the launch of the new version of DigiXCT 3.4, 3D-reconstruction software for the X-ray tomography. This DigiXCT 3.4 version offers improved metal artifact reduction filter, fast Nitro® iterative algorithm and local tomography, new filters to improve image quality and compatibility with NVIDIA's kepler GPU.

Digisens is now taking another step in its strategic development with this new version: objectively to become the undisputed leader in X-ray tomography reconstruction solutions. This new release offers the following functions:

All in one interface

DigiXCT benefits of a perfect adapted interface for the user. Every features are easily accessible thanks to an all-in-one interface. This new interface permits to choose the work mode (first step or expert) to use every features of the software in each different rhythm of work.

The DigiXCT interface permit to have an overview of the piece (Z plane, X plane, Y plane and 3D) and then make easier the work of the user.

New filters (edge preserving noise filter, edge enhancer): Fast implementation for a better image quality in a minimal computation time

Thanks to GPU technology, DigiXCT makes the most of new filters improving image quality without impacting upon the reconstruction time. This is the case with the new noise reduction filter (**Wolf**) which leads to an optimal filtering of specific areas by keeping the details.

Improved metal Artifact reduction filter

This new module intends to reduce the metal artifact. It helps to remove the artifacts around materials which block most X-rays such as metal. It reveals information which is usually lost and improves contrast in the relevant areas.

fast Nitro® iterative algorithm and TOI reconstruction

Nitro is designed to create reconstructions using a very limited number of noisy projections whole preserving image quality. Digisens thus provides to the medical and research world a way of drastically reducing doses.

Unlike conventional iterative approaches: settings are automatic, the optimal solution being found in just a click. It also enables iterative reconstructions to be carried out in areas of specific interest (reconstruction of ROI or local tomography application).

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About Digisens

Due to the excellence of its innovation and in its command in multi-GPU's programming, Digisens is a leader in high value-added 3D-imaging software solution for X-ray computed tomography and fluorescence tomography. In the fields of medical and dental imaging, research and industry software solutions, Digisens's micro and nanotomography software optimizes the performances of acquisition equipment, (X-ray scanners) so as to achieve quality perfect 3D-reconstruction and unequalled speed calculation - even with very large raw datasets.