

PRESS RELEASE

FOR IMMEDIATE RELEASE

DIGISENS launches the 3.0 version of DigiXCT, software for tomography.

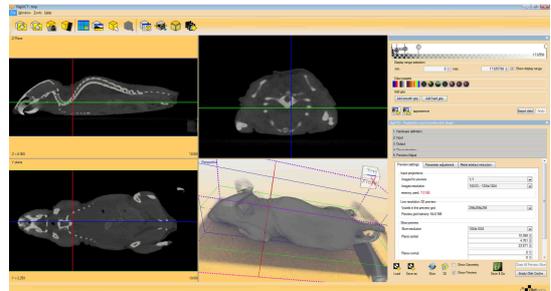
Digisens launches the new version of DigiXCT 3.0, 3D-reconstruction software for the X-ray tomography market. This DigiXCT 3.0 version offers an unparalleled user interface, new iterative algorithms and filters in order to improve the quality of the images as well as broad compatibility with most of the hardware available in the marketplace.

France, Bourget du Lac – February 23, 2012

The new version of DigiXCT has just been launched. Digisens has now taken another step in its strategic development with this new version: objectively to become the undisputed leader in solutions for reconstruction concerning X-ray tomography. This new version offers the following functions:

New extra simple user interface

Designed to be used by an uninitiated user, the new user interface means that extremely rapid results can be achieved through 5 very simple steps. The expert level enables the most demanding of users to take advantage of the rich functionality of the DigiXCT.



Metal Artifact XCT 3.0

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

New Iterative algorithm NITRO

NITRO[®] is designed to create reconstructions using a very limited number of projections without any loss of image quality. Digisens thus provides to the medical and research world a way of drastically reducing doses. Unlike conventional iterative approaches: the 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).

New bilateral filters and edge enhancer: ultra-fast for a better quality image

Thanks to multi 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 bilateral filter which leads to an optimal filtering of specific areas without any degradation of contours, and the edge enhancer filter which restores the interfaces of objects degraded by the system's MTF.

Semi-auto geometry / beam hardening adjustment

Fine adjustment of the geometric parameters and the beam hardening's correction margin via an intuitive and ergonomic interface.

Extensive compatibility with most systems in the marketplace

DigiXCT is used with most systems found in the marketplace. The following equipment has further enriched the manufacturers and equipment which have already been integrated:

- General Electric : CT 120, Locus Ultra, Locus
- Skyscan : 1076,1178,1176,1172
- Nikon XTEk

Performance

The reconstruction performance of this new version has been increased by 20 to 30% on average through hardware and software optimizations.

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About Digisens

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