Materialise Launches New Release of the Mimics® Innovation Suite

May 26, 2015

Leuven, Belgium – May 26, 2015. Celebrating its 25th anniversary, global 3D Printing pioneer Materialise (NASDAQ:MTLS) announces the launch of the latest Mimics Innovation Suite, including the Mimics® 18.0 and 3-matic® 10.0 software solutions. The new and improved tools increase user-friendliness, reduce segmentation time and make design and modeling even more realistic. It's also possible to 3D print the results in full color. In addition, the visualization capabilities have been expanded with a fluoroscopy view and virtual X-ray simulation.

The Mimics Innovation Suite offers a complete set of tools developed for biomedical professionals. With the addition of the 'Fluoroscopy View', healthcare professionals can simulate the angiographic view they would have during surgery and identify optimal c-arm angles for fluoroscopy for their region of interest. "This impressive new tool will be useful for our case planning as well as during conversations with physicians", says Srinivasan Varahoor, Principal R&D Engineer at Medtronic. A second new visualization option is the 'Virtual X-ray'* tool, which allows engineers to create virtual X-rays of projects to find the optimal angle for 2D/3D registration. This allows for an evaluation of the 3D position of bones and implants without a post-operative CT or MRI scan.

Another exciting and time-saving tool is the automated 'Heart Segmentation'. This flexible, user-friendly solution allows for an effortless segmentation of the cardiovascular anatomy for advanced research and analyses. On a good quality dataset, segmentation now requires only a few mouse clicks rather than several hours of tedious work. In addition, the 'Loft' and 'Sweep Loft' tools make it easy to design benchtop models.

With the advanced export options, it is now possible to add a logo to the design in only a few seconds and export it in *zpr format for 3D Printing in multiple colors. Holding such a model in one's hand can greatly improve the understanding of the different anatomical structures.

Apart from software improvements, a new way to characterize the mitral valve has been added to the Mimics Innovation Suite. This new patent pending workflow allows for a detailed analysis of this complex anatomy, reduces the number of design iterations needed and permits more confident entry into clinical trials.

For more information on other improved features in this release of the Mimics Innovation Suite, please visit our website or contact the Mimics Innovation Team.

*Available in the Research Edition of the Mimics Innovation Suite only

Press Contact:

Liesbeth Kemel
Marketing Coordinator, Materialise
Tel: +32 16 396 291
Email: liesbeth.kemel@materialise.be
Twitter: @Mimics or @MaterialiseNV
Web: biomedical.materialise.com

About Materialise

With its headquarters in Leuven, Belgium, and branches worldwide, Materialise is a provider of Additive Manufacturing (AM) software solutions and sophisticated 3D printing services in a wide variety of industries, including healthcare, automotive, aerospace, art and design and consumer products. Materialise has been playing an active role in the field of AM since 1990, through its involvement in AM for industrial and medical applications, by providing biomedical and clinical solutions such as medical image processing and surgical simulations and by developing unique solutions for its customers' prototyping, production, and medical needs. For additional information, please visit: www.materialise.com.

Regulatory Information: