



**The Materials  
Information Society**

NEWS RELEASE

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**DESIGN RESOURCE EXTENDS SUPPORT FOR ORTHOPAEDIC AND CARDIOVASCULAR DEVICES**

*New release of the Materials for Medical Devices Database*

**Cambridge, UK and Cleveland, OH - September 25, 2007** - ASM International and Granta Design today announced substantial enhancement to the only materials database created specifically for medical device design. The expanded resource, demonstrated at this week's Materials and Processes for Medical Devices (MPMD) Conference and Exposition in Palm Desert, CA, now helps designers of spinal implants research predicate devices and gain valuable insights in product development. The initial database module supporting cardiovascular device design has also been significantly enhanced.

The new 'Materials for Medical Devices Database: Orthopaedic Module' initially focuses on spinal implants. The module establishes records for nearly 1,200 devices for spinal interlaminar fixation orthosis, spinal intervertebral body fixation orthosis, and pedicle screw spinal systems. Records are being continuously built out to include information on device applications and constituent materials, drugs, and coatings. Each material, drug, or coating is linked to further records providing data on mechanical and engineering properties, materials producers, and specific material grades, enabling device designers to rapidly acquire information to support device design, materials screening, and various regulatory filings. Future releases will extend coverage into other orthopaedic applications.

Over 1,600 additional device records have been established in the existing 'Materials for Medical Devices Database: Cardiovascular Module', the authoritative source of mechanical, physical, biological response, and drug compatibility properties for the materials and coatings used in cardiovascular device applications. Records for key materials have been updated.

With the Materials for Medical Devices Database, device designers benefit from rapid access to authoritative sources of engineering data, biological response knowledge, information about specific devices, and FDA approvals information - in a single integrated, cross-linked system. The database helps designers to find, in seconds, relevant information that previously took days to assemble - all of it fully traceable to primary sources. With this information they can quickly screen, analyze, select, and source materials and coatings for device

applications. Mining the database also helps generate new design ideas and avoid unproductive pathways.

"This announcement shows our commitment to continuously expanding and updating this powerful new resource, first released earlier this year, under the guidance of our expert Steering Committee," says Raymond Sirochman, Managing Liaison to the Medical Device Community for ASM International. "Such currency is essential to our customers in the fast-moving field of medical device design. We are also excited to now extend the benefits of the database to orthopaedic device designers."

ASM of Materials Park, Ohio, and Granta of Cambridge, UK, are working with a Steering Committee of distinguished experts from industry and academia to aggregate and maintain information from thousands of citations in the published literature, FDA device approvals information, manufacturers' datasheets, standards and web sites. The Materials for Medical Devices Database is powered by Granta's materials data management software, and may be licensed for web access or for in-house server installation. Companies licensing the system in-house have the opportunity to optionally add and manage their own proprietary information, boosting productivity by creating an integrated data management resource.

#### **About Granta**

Granta Design Limited is the materials information technology expert. Granta develops the leading software for materials information management in engineering enterprises, and the leading teaching toolkit for materials engineering education. Granta serves sectors as diverse as aerospace, defense, energy, medical devices, automotive, motorsports, manufacture of consumer and industrial equipment, publishing, and materials production. Customers realize multi-million dollar benefits in reduced cost, enhanced performance, improved quality, and speedier design. Granta was founded in 1994 as a spinout from the University of Cambridge and the work of Professor Mike Ashby and Dr David Cebon.

#### **About ASM International**

ASM International, The Materials Information Society, benefits the materials community by providing scientific, engineering and technical knowledge, education, networking and professional development. Through its worldwide community of 38,000 research scientists, engineers, faculty, technicians and students, the society obtains reliable information from wherever in the world it is available, and distributes it to wherever it is needed, so that the materials can be applied in new products and systems that offer higher performance and lower cost.

#### **Supporting image**

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