OMTEC 2016

Advance PROGRAM
OMTECexpo.com

June 15-16
Chicago

The 12th Annual Orthopaedic Manufacturing & Technology Exposition and Conference

Register Today!
OMTECexpo.com
Greater capabilities than ever before, the capacity to deliver on the most demanding challenges and unparalleled industry expertise are now at your fingertips.
OMTEC is the only conference dedicated to empowering orthopaedic manufacturing professionals, from engineering to supply chain to purchasing to quality to executives.

Solution-driven education is the backbone of OMTEC. The curriculum is prioritized by device company leadership to ensure that attendees gain practical advice to put to immediate use, while nurturing longer-term directives.

OMTEC’s 130+ exhibitors complete the attendee experience by providing the expertise required to get the right things done, swiftly.

The following pages provide a glimpse of who you will meet and what you will learn at this year’s event. Please confirm your attendance and see in person what makes OMTEC a must-attend international conference.

We look forward to serving you!

Carolyn LaWell  Francine Bursic  
Chief Content Officer  Director of Customer Care  
carolyn@orthoworld.com  fran@orthoworld.com
ATTENDANCE + REGISTRATION

OMTEC attracts a diverse contingent of orthopaedic industry stakeholders, each of whom are committed to the advancement of the specialty of orthopaedics.

TOTAL ATTENDEES*

435 Total Attendees

- 55% Device Company Personnel
- 29% Consultants/Suppliers
- 16% Speakers/Others

*Excludes exhibitor personnel
Source: 2015 Post-event Report

DEVICE COMPANY ATTENDEES

74 Unique Device Companies

- 26% R&D/Product Development
- 25% Supply Chain Management/Buyer
- 16% Quality/Regulatory
- 16% Operations/Manufacturing
- 16% Executive Management

Source: 2015 Post-event Report

EXCELLENT

Survey respondents' rating of OMTEC's value

- Education
- Exhibit Hall/Partnerships
- Networking

EXHIBITORS

130 Confirmed to date, representing 12 countries

Canada | China | France | Germany | Italy | Netherlands
Sweden | Switzerland | Taiwan | Turkey | UK | US

40+ service capabilities, from napkin sketch to delivery

- Implant/Instrument Machining - Additive Manufacturing | EDM | Grinding | Milling | Forging Turning
- Surface Preparation/Treatments - Coatings Finishing | Cleaning | Plating
- Component Parts
- Laser Processing - Marking | Melting/Sintering Machining/Cutting | Welding
- Raw Materials - Alloys | Biomaterials | Ceramics PEEK Polymers | Textiles | Titanium
- Delivery Systems - Reusable | Disposable
- Device Testing - Failure Analysis | Wear Testing Simulator Testing
- Sterilization - Equipment | Services
- Packaging - Equipment | Materials | Services
- Product Design/Development
- Supply Chain Management

Register Today - OMTECexpo.com
EARLY REGISTRATION RATE ENDS MARCH 31

Type | Early | Regular | Onsite
--- | --- | --- | ---
Device Company Exhibit Floor** | $99 | $199 | $299
Device Company Full Conference | $299 | $399 | $499
Supplier/Consultant/Other Full Conference | $799 | $899 | $999
Student/Surgeon/Academia | $49 | $49 | $49

**Exhibit floor registration excludes education

EDUCATION:
- All education and keynotes
- Meals and refreshment breaks
- Exhibit floor access
- Networking and welcome receptions
- Special rates on BONEZONE subscriptions

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<td>Adopt New Business Models to Overcome Industry Disruptors</td>
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Learn from experts who are leading industry changes. OMTEC 2016 features executives from: BSI Group, Cardinal Health, Emergo Group, GS1, ICON, Medical Device Innovation Consortium and UPS.
Surgeon Perspective and Supplier Rapid Fires
Wednesday and Thursday

The Technical Area and Knowledge Center, two energy hubs, provide high-demand education for OEMs and suppliers on the Exhibit Hall floor (just follow the yellow and orange circles).

New this year, the Knowledge Center will host interactive conversations with surgeons regarding patient and healthcare trends, from consumerization to bundled payments to orthobiologics. Come engage with surgeons regarding the industry shifts and undeveloped solutions that they believe will drive orthopaedics forward.

The Future of Additive Manufacturing
Panel and Display
Thursday, June 16 1:30 p.m. – 3:00 p.m.
Closing reception to follow from 3:00 p.m. – 4:00 p.m.

Additive manufacturing remains the most highly attended and requested topic among OMTEC attendees. This special closing session dedicates undivided time to the manufacturing process.

Led by Andy Christensen, who has been active in the additive manufacturing industry since 1996, this session brings together OEM and supplier experts as they forecast additive manufacturing advancements and adoptions in orthopaedics over the next five years. The panel will discuss the opportunities and challenges surrounding materials, applications, mass production and government regulations. They will call on their experience with the technology to share solutions for successful implementation at your company. Prepare your questions for an extensive Q&A.

This special session will lead into a closing reception with displays, discussions and drinks.

Register for OMTEC 2016 at OMTECexpo.com!
OMTEC 2016 KEYNOTES
Strategies and Technologies to Equip You for the Future

Adopt New Business Models to Overcome Industry Disruptors

The medical device industry is facing disruptive change with $34 billion of value at stake over the next five years. As with other medical device sectors, orthopaedic companies face a unique combination of industry headwinds. Bill Tribe will address the leading disruptors facing the industry in general, and the ways that they combine to create particular and acute challenges in the orthopaedic sector. Based on industry and sector examples, and research across the different areas of the orthopaedic value chain, he will also discuss how companies can rise to meet this challenge, the steps they should take and the main considerations and risks as they define and construct new strategies to compete and maintain margins.

Bill Tribe, Ph.D.
Partner, A.T. Kearney

Bill Tribe is a partner with A.T. Kearney in Health Practice. In his ten years with the firm, he has worked extensively in Europe and North America, addressing global and regional C-suite issues for many of the leading medical device, pharmaceutical and biologics companies. His expertise spans supply chain strategy, portfolio and product design, product distribution and optimization of service and supply across the extended value chains of suppliers, manufacturers and end-users. Before joining A.T. Kearney, he was involved in start-up companies in Cambridge, pioneering new imaging modalities in areas such as pharmaceutical drug discovery, non-invasive blood monitoring and cancer screening. Dr. Tribe earned a bachelor’s degree in physics from Imperial College in London and a Ph.D. from Oxford University.

Heightened Scrutiny in Today’s Healthcare: Technology to Never Have “Never Events”

Tremendous inefficiencies complicate the implant delivery system. Technology has the ability to modernize the orthopaedic supply chain, inventory and device labeling processes in a way that is cost effective for device companies and leads to improvement in patient outcomes. Dr. Steven Haas outlines automation solutions that can reduce time and costs.

Steven B. Haas, M.D., MPH
Chief of Knee Service, Hospital for Special Surgery

Steven B. Haas, M.D., MPH received his education and training at Harvard, Cornell and the University of Rochester. He is Chief of the Knee Service and John N. Insall Chair Knee Surgery at Hospital for Special Surgery. He serves as Co-Chairman of the Quality Coordinating Committee at Hospital for Special Surgery and is also Professor of Clinical Orthopedic Surgery at Weill Cornell Medical College.

Dr. Haas speaks nationally and internationally on knee topics, and has more than 100 publications in the orthopaedic literature.

In addition, Dr. Haas holds multiple U.S. patents for orthopaedic devices and computer software. In 2014, Dr. Haas was awarded a patent for software which is the first and only computerized system for confirming correct medical implant selection for the patient. This commercial software system, OrthoSecure, has been used in over 20,000 joint replacement procedures.

Education Sessions

How to Select the Best Supplier

David Finch, President and Founder, Insight Collaboration Partners

OEMs must look beyond capabilities and capacity when selecting the right supplier partner. This session shares ways to identify the best business partner for your outsourcing needs and outlines steps to move beyond collaboration and into innovation. Mr. Finch will present a process that begins with a gap analysis to identify the OEM’s core competencies as an integral first step in the selection process, and the draft of a scope of work that focuses on the benefits of a partnership, not just the RFQ.

FDA Focus on Design Controls

John Gagliardi, President, MidWest Process Innovation

Design controls are not an easy subject to address during and after the design of medical devices and manufacturing processes. Design controls should drive the device design process, not be an afterthought. This session focuses on treating design as a separate entity within the quality management system, user needs vs. design inputs, continuation of design controls after the transfer process, design review and more.
How to Implement ISO 13485 Changes
Greg Howard, Project Lead, Dekra Certification

Significant changes are underway that impact the quality and regulatory systems of medical device companies and their suppliers. ISO 13485:2016 adds new requirements to address risk management and to better align the standard with global regulatory requirements (FDA, MDD, JPAL, etc.). With the release of ISO 9001:2015, the ISO 9001 and ISO 13485 standards are no longer integrated. A new single audit MDSAP program will be in effect beginning 2017 that incorporates applicable FDA, Canadian, Brazilian, Australian and Japanese quality system requirements into the annual ISO 13485 audit cycle. The presentation will provide an overview of these changes and the steps required to incorporate these changes into existing quality management systems.

Strategies for Device Approval in China, India, South Korea and Australia
Evangeline Loh, Ph.D., RAC, Vice President of Global Regulatory Affairs, Emergo Group

This session will describe the orthopaedic device regulatory and registration requirements in Asia Pacific markets, including China, India, South Korea and Australia. Regulatory steps and strategies will be presented for each of these countries. The discussion will also cover ways to gain regulatory information about competitors already selling in these markets. Attendees will leave the session with an understanding of timelines, costs and complexity for approval.

CAPA: How to Really Identify the Root Cause
John Gagliardi, President, MidWest Process Innovation

Your company’s corrective and preventive actions (CAPA) process can fail to produce results for a handful of reasons. The issue usually stems from an inability to identify the root cause of the problem, and a lack of resources. The ultimate purpose surrounding the CAPA subsystem is to collect and analyze information, identify and investigate product and quality problems and take appropriate and effective corrective or preventive action to prevent recurrence. This session will assist attendees in identifying how to reach the root cause.
Panel: Supply Chains of the Future
Moderator: Jerry Brown, Vice President of Global Supply Chain, X-Spine
Panelists: Robin M. Hooker, Director, Healthcare Marketing, UPS; James Kwan, Managing Director, OPM Consulting; Cardinal Health

Supply chains are hindered by regulatory, economic and technological constraints. What steps can orthopaedic device companies take to gain efficiencies? This panel discussion brings together OEMs and supply chain experts to discuss future challenges and opportunities within the supply chain.

UDI: Where Do We Go From Here?
Greg Bylo, Vice President, Healthcare, GS1 US

UDI is a forever project. How do orthopaedic device companies receive return on their investment? What best practices can be learned for a continually smooth process? How can the data be leveraged to enhance your company’s value proposition? The true value of UDI is not in the identification number, but the data that can be generated as a result of UDI. This session will provide attendees with an outline of the opportunities that manufacturers can leverage beyond implementation.

Steps to Compliance with the European Medical Device Regulations
Ibim B. Tariah, Ph.D., Technical Director, BSI Healthcare

The trilogue negotiations for the European Medical Device Regulations are expected to conclude by June. Whether or not the long-awaited regulations receive another postponement, orthopaedic manufacturers cannot put off preparation or risk their ability to sell products in Europe. Dr. Tariah will walk attendees through the greatest pain points for orthopaedic manufacturers when complying with the new regulations.

How to Make Postmarket Surveillance More Cost Effective
Vicki Anastasi, Vice President and Global Head of Medical Device and Diagnostics Research, ICON

When it comes to postmarket surveillance (PMS), it’s common for the costs to outweigh the value. But, by working with the right team, you’ll be able to execute a study that maximizes return on investment and minimizes the financial impact of conducting further observational research. Postmarket study challenges that must be addressed include enrollment delays, patient attrition, long-term follow-up, resourcing demands and global payor requirements. This session will provide a case study of one orthopaedic company’s seamless transition between postmarket approval and post-approval studies.

FDA: What’s New in Orthopaedics
FDA Representative

FDA representatives return to OMTEC to offer insight on the latest initiatives impacting the orthopaedic industry. Regulatory and quality experts assist in explaining what the Agency’s updates mean for device makers.

Built-in-Quality: Actions and Implementation
Joe Mazzeo, Founder, Integrated Lean and Quality Systems

Building off of his highly-rated OMTEC 2015 session, Joe Mazzeo offers practical solutions for implementing Built-in-Quality (BIQ) processes. BIQ comprises product quality standards, product and process validation, in-process control and verification, feedback and feed-forward on product build and a quality management system. This lean manufacturing session will offer attendees methods and tools to take BIQ one step further.

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What Is It? Product Management vs. Product Development
Warren Gitt, Principal, Overlook International Group LLC and Vice President of Global Business Development, K2M Inc.

This session will focus on the respective roles and responsibilities of the Product Manager vs. the Development Engineer from a product’s inception through its lifecycle maintenance. Attendees will learn how to leverage the cross-functional product team to deliver results, business vs. technical aspects of product development, putting the customer first and navigating the organization in order to get things done.

Tools for Situational Leadership
Joe Mazzeo, Founder, Integrated Lean and Quality Systems

Whether you work at a small company or a global enterprise, the need for effective leadership is key to your success and your organization’s success. This presentation discusses ways that current or aspiring leaders can improve team performance through situational leadership. Attendees will receive guidance on how to set expectations, how to achieve continued efficiency from a highly-focused group, how to push an underperforming group to productivity and how to be an effective leader to tenured vs. millennial employees.

Panel: Product Innovation of the Future
Moderator: Rich Woods, Senior Vice President, Global Research, Development & Engineering, K2M Inc.
Panelists: Jeff Tyber, CEO and President, Tyber Medical; others to be announced

Regulatory and economic constraints have limited orthopaedic innovation. How is innovation defined today? What will it look like five and ten years from now? Expect an honest conversation about how R&D teams can work through these barriers.
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<td>248-398-9100</td>
<td><a href="http://www.ionbond.com">www.ionbond.com</a></td>
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<tr>
<td>432. IMR Test Labs</td>
<td>Lansing, NY</td>
<td>607-533-7000</td>
<td><a href="http://www.imrtest.com">www.imrtest.com</a></td>
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<tr>
<td>100. International Finishing</td>
<td>Dayton, OH</td>
<td>937-293-3340</td>
<td><a href="http://www.infinico.com">www.infinico.com</a></td>
<td></td>
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<tr>
<td>612. IPI Solutions</td>
<td>Nottingham, United Kingdom</td>
<td>866-274-7997</td>
<td><a href="http://www.ipisoftware.com">www.ipisoftware.com</a></td>
<td></td>
</tr>
<tr>
<td>113. Jade Precision Medical Components</td>
<td>Huntingdon Valley, PA</td>
<td>215-947-5762</td>
<td><a href="http://www.jademed.com">www.jademed.com</a></td>
<td></td>
</tr>
<tr>
<td>331. Jarvis Surgical/ Jarvis Precision Polishing</td>
<td>Westfield, MA</td>
<td>413-562-6659</td>
<td><a href="http://www.jarvissurgical.com">www.jarvissurgical.com</a></td>
<td></td>
</tr>
<tr>
<td>724. Lisi Medical</td>
<td>Escondido, CA</td>
<td>760-432-9785</td>
<td><a href="http://www.lisimedical.com">www.lisimedical.com</a></td>
<td></td>
</tr>
<tr>
<td>138. Medilant</td>
<td>Le Locle, Switzerland</td>
<td>41-3-2552-1000</td>
<td><a href="http://www.medilant.com">www.medilant.com</a></td>
<td></td>
</tr>
<tr>
<td>314. Metal Craft</td>
<td>Elk River, MN</td>
<td>763-441-1855</td>
<td><a href="http://www.metal-craft.com">www.metal-craft.com</a></td>
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One thought it. One proved it. One perfected it.

Jarvis Surgical takes precision manufacturing of medical implants to another level. Our state-of-the-art technologies and stringent quality control procedures deliver highly engineered implant components to exacting tolerances. Leveraging our fabrication expertise and lean manufacturing prowess, Jarvis brings your devices full circle—from initial development through full-scale production.

For innovators like us, flat is just not in our vocabulary. Jarvis Surgical
<table>
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<tr>
<th>EXHIBITOR LISTING</th>
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<thead>
<tr>
<th>Company Name</th>
<th>City, State and Country</th>
<th>Contact Information</th>
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</thead>
<tbody>
<tr>
<td>OSG USA</td>
<td>Glendale Heights, IL</td>
<td>800-837-2223, <a href="http://www.osgtool.com">www.osgtool.com</a></td>
</tr>
<tr>
<td>Ostec Medical Device</td>
<td>Suzhou, China</td>
<td>86-512-6393-6658, <a href="http://www.ostec-medical.com">www.ostec-medical.com</a></td>
</tr>
<tr>
<td>Pacific Instruments</td>
<td>Honolulu, HI</td>
<td>808-941-8880, <a href="http://www.pacificinstruments.biz">www.pacificinstruments.biz</a></td>
</tr>
<tr>
<td>Paragon Medical</td>
<td>Pierceton, IN</td>
<td>574-594-2140, <a href="http://www.paragonmedical.com">www.paragonmedical.com</a></td>
</tr>
<tr>
<td>Precision Medical Technologies</td>
<td>Warsaw, IN</td>
<td>574-267-6385, <a href="http://www.premedtec.com">www.premedtec.com</a></td>
</tr>
<tr>
<td>Precision Metal Products</td>
<td>El Cajon, CA</td>
<td>619-448-2711, <a href="http://www.pmp-elcajon.com">www.pmp-elcajon.com</a></td>
</tr>
<tr>
<td>Precision Technologies</td>
<td>Indianapolis, IN</td>
<td>317-524-1444, <a href="http://www.precisiontech.com">www.precisiontech.com</a></td>
</tr>
<tr>
<td>Rolled Alloys (Titanium &amp; Stainless)</td>
<td>Streamwood, IL</td>
<td>858-525-3215, <a href="http://www.rolledalloys.com">www.rolledalloys.com</a></td>
</tr>
<tr>
<td>Pro-Dex</td>
<td>Irvine, CA</td>
<td>800-562-6204, <a href="http://www.pro-dex.com">www.pro-dex.com</a></td>
</tr>
<tr>
<td>Puracon</td>
<td>Ploesti, RO</td>
<td>49-080-3190-3870, <a href="http://www.puracon.com">www.puracon.com</a></td>
</tr>
<tr>
<td>Rosler Metal Finishing</td>
<td>Battle Creek, MI</td>
<td>269-441-3000, <a href="http://www.rosler.us">www.rosler.us</a></td>
</tr>
<tr>
<td>TurboTech</td>
<td>Glendale Heights, IL</td>
<td>800-837-2223, <a href="http://www.osgtool.com">www.osgtool.com</a></td>
</tr>
<tr>
<td>SGS</td>
<td>Columbia City, IN</td>
<td>260-244-7677, <a href="http://www.sgspecialtygroup.com">www.sgspecialtygroup.com</a></td>
</tr>
<tr>
<td>Sheffield Precision Medical</td>
<td>Alpharetta, GA</td>
<td>770-772-8735, <a href="http://www.solvayspecialtypolymers.com">www.solvayspecialtypolymers.com</a></td>
</tr>
<tr>
<td>SQ Products</td>
<td>Steinhausen, Switzerland</td>
<td>41-041-748-5300, <a href="http://www.sqproducts.ch">www.sqproducts.ch</a></td>
</tr>
<tr>
<td>Strategix Medical Solutions</td>
<td>Tanner, AL</td>
<td>256-340-3890, <a href="http://www.strategixmedicalsolutions.com">www.strategixmedicalsolutions.com</a></td>
</tr>
<tr>
<td>Summit Mfg &amp; Machining</td>
<td>Bremen, IN</td>
<td>574-546-4571, <a href="http://www.summitmmi.com">www.summitmmi.com</a></td>
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</tbody>
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**EXHIBITOR LISTING**

644. OSG USA
Glendale Heights, IL
800-837-2223
www.osgtool.com

142. Ostec Medical Device
Suzhou, China
86-512-6393-6658
www.ostec-medical.com

116. Pacific Instruments
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808-941-8880
www.pacificinstruments.biz

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814. Pointe Precision
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www.ppdgroup.com

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433. Puracon
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www.puracon.com

313. Rosler Metal Finishing
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269-441-3000
www.rosler.us

806. Pyxidis Medical
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817. Quadrant MediTECH
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260-479-4385
www.quadrantplastics.com

609. Quintus Composites
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www.quintus-inc.com

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www.rmssurgical.com

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www.strategixmedicalsolutions.com

727. Summit Mfg & Machining
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www.summitmmi.com

531. Surface Dynamics
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513-612-4410, 39-0461-518901
www.sdbiocoatings.com, www.euurocoating.it
308. Syntec Scientific
Taipei, Taiwan
886-4-798-7099
www.syntec.com.tw

112. Techmetals
Dayton, OH
937-253-5311
www.techmetals.com

406/407. Tecomet
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www.tecomet.com

214. Tegra Medical
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www.tegramedical.com

826. Third Wave Systems
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www.thirdwavesys.com

530. Titanium Industries
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www.trianglemfg.com

200. Troy Innovative Instruments Inc
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440-313-6738
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602. Tyber Medical
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431. Universal Precision Instruments
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414. Vistek Medical
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114. Vorzeigen Medical
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www.vsmpo-tirus.com

220. Vulcanium Metals International
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343. WaveMark, a Cardinal Health Company
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www.wavemark.com

706. Westlake Plastics
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www.westlakeplastics.com

602. Tyber Medical
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442. Center Line Mold & Tool
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www.centerlinemold.com

342. Schwanog
Elgin, IL
847-289-1055
www.schwanog.com

543. FMI Instrumented
Schiedam, Netherlands
+31 10 46 26 899
www.fmi.nl

EXHIBITOR LISTING
NETWORKING ACTIVITIES

Customer Appreciation/Welcome Reception
Tuesday, June 14, 5:30 p.m. – 7:00 p.m.
Hofbräuhaus Chicago

Sponsored by ORTHOWORLD, with drinks on Paragon Medical
Connect with peers and partners over light fare and drinks at this kick-off event.

Keynotes Room 51
Wednesday, June 15, 7:30 a.m. – 9:00 a.m.
Thursday, June 16, 12:00 p.m. – 1:30 p.m.

Attendees and exhibitors alike are invited to the keynote addresses, where powerful insights are delivered over breakfast and lunch. Banquet style seating facilitates opportunities to meet new partners or customers and engage in dialogue surrounding pressing industry issues. Keynote addresses continue to be a highlight of the OMTEC experience for attendees and exhibitors.

Networking Reception
Wednesday, June 15, 4:00 p.m. – 5:30 p.m.
Exhibit Hall Café

Everyone is invited to celebrate the end of day one by mingling over light fare and drinks in the Exhibit Hall Café. A raffle with giveaways from sponsoring exhibitors adds a fun way for attendees to discover new partners.

Breakfast with the Experts
Thursday, June 16, 7:30 a.m. – 8:45 a.m.
Exhibit Hall Café

A select group of presenters will host “topic tables” to engage in specific, direct dialogue. Past topics have included Supply Chain Management, Lean Manufacturing, Design Controls and Purchasing Controls. Seating is limited and the tables filled up prior to OMTEC 2015. Look for RSVP announcements in April.

Knowledge Center and Technical Seminar Area
Wednesday and Thursday
Exhibit Hall Floor

Introduced in 2014, these energy hubs on opposite ends of the exhibit floor facilitate interaction between the knowledge-seeker and the expert. New in 2016, the Knowledge Center is dedicated to surgeon’s perspectives.
A special thank you to our Industry and Exhibitor Advisory Panels for offering valuable feedback on the direction of OMTEC 2016.

Acumed LLC
Loren Blanchard
Vice President of Manufacturing & General Manager

Arthrex, Inc.
Lance Provance
Supply Chain Manager

DePuy Synthes
Ruth C. Forstadt
Director, Regulatory Affairs, Mitek Sports Medicine

Globus Medical, Inc.
David Davidar
Senior Vice President, Operations

K2M, Inc.
Rich Woods
Senior Vice President, Global Research, Development & Engineering

Medtronic, Inc.
Stan McKee
Senior Engineering Manager, Advanced Manufacturing & Engineering Technologies, Spinal & Biologics

MicroPort Orthopedics
Ben Hutson
Vice President, Global Operations and Product Support

Ortho Development Corporation
Mike Ensign
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