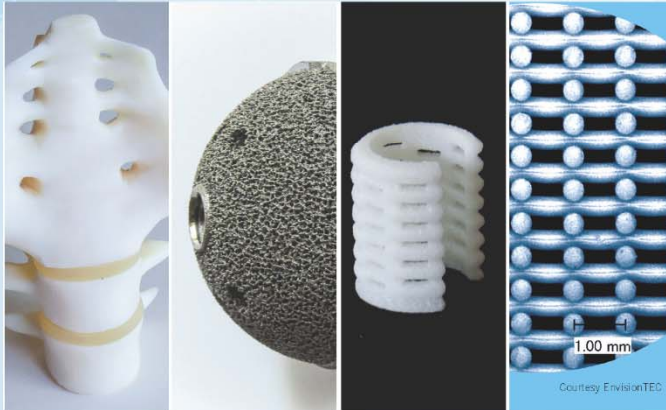


Medical Manufacturing Innovations: Additive Manufacturing and Bioprinting

May 8-11 | Exhibits May 9-11 | David L. Lawrence Convention Center | Pittsburgh, Pennsylvania



medical
manufacturing
MMISM
innovations
series

rapid + **tct**
accelerating
3D manufacturing

Event Guide

Your quick guide to all things medical at RAPID + TCT 2017

produced by
sme

RAPIDNEWS
publications

Medical Manufacturing Innovations at a Glance

Conference or fee registration required		Included with all registrations unless indicated	
Sunday, May 7			
1:00-4:00 PM RSNA 3D Printing Special Interest Group Meeting For more information, visit: https://www.rsna.org/3D-Printing-SIG/			
Monday, May 8			
Registration/Badge Pick-up 7:00 am – 5:00 pm			
Pre-conference Workshops 8:00 am – 1:00 pm			
Regulatory & Quality System Considerations for 3D Printed Medical Devices <i>Room 319</i> WORKSHOP LEADER: Janelle Schrot, Materialise INSTRUCTORS: Matthew DiPrima, Food & Drug Administration; Kim Torluemke, 3D Systems, Jenny Jones, Materialise; Beatrice Ogembo, American Preclinical Services; Gilbert Cortes, Johnson & Johnson	3D Printing in Hospitals: What You Need to Know <i>Room 320</i> WORKSHOP LEADER: Jonathan Morris, MD & Jane Matsumoto, MD, Mayo Clinic INSTRUCTORS: Andy Christensen, eNable; Amy Alexander, Mayo Clinic; Nicole Wake, New York University; Adam Jakus, Northwestern University	Bioprinting Fundamentals <i>Room 320</i> WORKSHOP LEADER: Roger Narayan, UNC/NCSU Joint Department of Biomedical Engineering INSTRUCTORS: Phil Campbell, Carnegie Mellon University; Prashant Kumta, University of Pittsburgh; Adam Feinberg, Carnegie Mellon University; Ken Church, nScript	RAPID + TCT Workshops of interest: <ul style="list-style-type: none"> • Fundamentals of Additive Manufacturing • Fundamentals of 3D Scanning and Modeling • Metal Part Fabrication Using Additive Manufacturing • Realizing Value with Additive Manufacturing
Facility Tours 8:00 am – 12:00 pm			
ExOne Arconic (Alcoa)			
1:30 pm – 5:00 pm RAPID + TCT Kickoff <i>ROOM: Spirit of Pittsburgh Ballroom</i>			
SME/Additive Manufacturing Community Awards			
State of America Makes Rob Gorham, America Makes			
KEYNOTE: Networked Matter and the Nature of Things Mickey McManus, Chairman, MAYA and Research felloffice of CT/Future of learning, Autodesk			
What's New: Roundup of the Latest 3D printing and 3D Scanning Products Todd Grimm, T.A. Grimm & Associates			
PANEL: Transformation of Manufacturing Moderator: Mickey McManus, Chairman, MAYA and Research Fellow Office of CTO/Future of Learning, Autodesk Panelists: Vyomesh Joshi (VJ), President and Chief Executive Officer, 3D Systems; Stephen Nigro, President – 3D Printing, HP; Greg Morris, Additive Technologies Leader, GE Aviation; Fried Van Craen, Founder and CEO, Materialise			
Tuesday, May 9			
Registration/Badge Pick-up 7:00 am – 5:00 pm			
8:00 am – 9:45 am KEYNOTE and PANEL <i>ROOM: Spirit of Pittsburgh Ballroom</i>			
PANEL: New Frontiers in Metal 3D Printing Moderator: Debbie Holton, VP Industry Strategy and Events, SME Panelists: Ric Fulop, CEO, Desktop Metal; Kyle Nel, Founder and Executive Director, Lowe's Innovation Labs, Lowe's Companies Inc; Don Jones, Director, Global Aftermarket Parts Strategy and Transformation, Caterpillar Inc.			
KEYNOTE PRESENTATION: Brilliant Factory—A New Era of Manufacturing Philippe Cochet, Executive Vice President, GE			

Tuesday, May 9 (continued)

MMI: Clinical Applications I 10:15 am – 12:15 pm—ROOM: 306-307	RAPID+TCT Sessions of Interest 10:15 am – 12:15 pm	Exhibits and Other Activities
<p align="center">MODERATOR: Adam Jakus</p>		
<p align="center">10:15 AM - 10:25 AM Low Cost and Equipment Methods to Create Flexible Anatomical Models (Novice) Joseph P. Higgins, Cardiovascular Systems Inc</p>	<p align="center">Digital Thread & Standards Power Up</p>	<p align="center">Exhibit Hours 10:00 am – 6:00 pm</p>
<p align="center">10:25 AM - 10:45 AM Development of Low Cost Hand Prostheses by Additive Manufacturing (Expert) Jorge Lino Alves PhD & Daniel Sousa Ferreira, University of Porto / Faculty of Engineering</p>	<p align="center">3D Imaging/Scanning: CT Scanning</p>	<p align="center">7:00 am – 6:00 pm MMI Display <i>Lobby</i></p>
<p align="center">10:45 AM - 10:55 AM Additive Manufacturing of Silicone Prosthetic Implants with Heterogeneous Properties (Intermediate) Farzad Liravi & Ehsan Toyserkani PhD Peng, University of Waterloo</p>	<p align="center">Post Processing I</p>	<p align="center">10:30 am – 11:30 am Show Floor Tour: General</p>
<p align="center">10:55 AM - 11:05 AM Development of a Custom Ankle-Foot Orthothis (Novice) Arif Sirinterlikci PhD & April Krivoniak, Robert Morris University</p>	<p align="center">Materials I</p>	<p align="center">10:30 am – 11:30 am Tech Briefing: 3D Scanning <i>Theater</i></p>
<p align="center">11:05 AM - 11:15 AM Simulation of Coronary Atrial Intervention Challenges, Learnings, and Final Methods (Intermediate) Joseph P. Higgins Cardiovascular Systems Inc</p>		<p align="center">12:30 pm – 1:30 pm Innovation Auditions <i>Theater</i></p>
<p align="center">11:15 AM - 11:40 AM Using 3D Printing (Additive Manufacturing) to Produce Low Cost Simulation Models for Medical Training (Novice) Peter C. Liacouras PhD, Walter Reed National Military Medical Center, Department of Radiology</p>		<p align="center">1:20 pm – 2:00 pm Improving Time to Market in Medical Additive Manufacturing <i>Smart Manufacturing Hub</i></p>
<p align="center">11:45 AM - 12:10 PM Potential Best Use Cases for 3D Printing for Cardiothoracic Surgery (Intermediate) Justin Ryan PhD, Phoenix Children's Hospital</p>		<p align="center">2:00 pm – 3:00 pm Show Floor Tour: Metals</p>
<p align="center">MMI: Clinical Applications II 2:15 pm -4:15-- ROOM: 306-307</p>	<p align="center">RAPID+TCT Sessions of Interest 2:15 pm -4:15</p>	<p align="center">Exhibits and Other Activities</p>
<p align="center">MODERATOR: Janelle Schrot</p>		
<p align="center">2:15 PM - 2:40 PM Retro Engineering the Feyh-Kastenbauer Retractor System for Transoral Robotic Surgery Using Surface Scanning & 3D Printing (Intermediate) Jonathan Morris MD, Mayo Clinic</p>	<p align="center">3D Imaging/Scanning: Surface Scanning</p>	<p align="center">2:00 pm – 5:00 pm Additive Manufacturing Standardization Forum Featuring updates from MITA (DICOM), AAMI, ASTM, ASME, AWS, SAE, and IEEE-PWG. <i>Room 310-311</i></p>
<p align="center">2:45 PM - 2:55 PM 3D Printed Wear Model to Simulate Tissue Ablation: Equipment, Materials, Technologies, and Tools Used by Interventionalists (Intermediate) Jacob Draxler & Joseph P. Higgins, Cardiovascular Systems Inc</p>	<p align="center">Direct Write Printed materials/Electronics</p>	
<p align="center">2:55 PM - 3:15 PM Single Institution Experience in 3D Modeling of Congenital Heart Defects (Novice) Robert Wesley, Nicklaus Children's Hospital</p>	<p align="center">Post Processing II</p> <p align="center">Design Considerations</p> <p align="center">Material properties I</p>	<p align="center">2:30 pm – 3:30 pm Tech Briefing: Additive Manufacturing <i>Theater</i></p>

Tuesday, May 9 (continued)

MMI: Clinical Applications II <i>continued</i>		Exhibits and Other Activities <i>Continued</i>
3:15 PM - 3:40 PM Creation of Functional Finger Prostheses Combining 3D Printing with Traditional, Materials (Intermediate) Irene R. Healey, New Attitude Prosthetic Designs Inc		3:30 pm – 5:00 pm Technology Launch Pad <i>Theater</i>
3:45 PM - 4:10 PM Separating Conjoined Twins: Applying Virtual Surgical Planning and 3D Printing (Intermediate) Hayeem L. Rudy, Albert Einstein College of Medicine; and Katie Weimer, 3D Systems - Healthcare		6:00 pm – 8:30 pm Welcome Event: Heinz Field <i>(Fee required; transportation from convention center provided)</i>

Wednesday, May 10

Registration/Badge Pick-up 7:00 am – 5:00 pm		
8:00 am – 9:55 am KEYNOTE and PANEL <i>ROOM: Spirit of Pittsburgh Ballroom</i>		
KEYNOTE: New Materials for 3D Printing in Medicine: What's Next is Closer than You Think Ramille Shah PhD, Assistant Professor, Materials Science and Engineering, Assistant Professor, Surgery (Transplant Division), Northwestern University; and Sue Jordan MD PhD, Chief Resident – Plastic and Reconstructive Surgery, Northwestern Memorial Hospital		
PANEL: Medical 3D Printing Applications—Growth Beyond Surgical Guides Moderator: Sue Jordan MD PhD, Chief Resident – Plastic and Reconstructive Surgery, Northwestern Memorial Hospital Panelists: Ramille Shah PhD, Assistant Professor, Materials Science and Engineering, Assistant Professor, Surgery (Transplant Division), Simpson Querrey Institute for BioNanotechnology, Northwestern University; Carlos Carvalho, Process & Material Development, EnvisionTec; William Wagner, Director, McGowan Institute for Regenerative Medicine, Professor of Surgery, Bioengineering and Chemical Engineering, University of Pittsburgh; Fried Vancaeren, Founder, CEO, Materialise		
MMI: Biomaterials 10:15 am – 12:15 pm -- <i>ROOM: 306-307</i>	RAPID+TCT Sessions of Interest 10:15 am – 12:15 pm	Exhibits and Other Activities
MODERATOR: Jayanthi Parthasarathy		
10:15 AM - 10:40 AM Drug-eluting Polymeric Additive Manufacturing for Applications in Orthopaedics (Intermediate) Martin J. Petrak Peng, Precision ADM / Orthopaedic Innovation Centre; and Trevor C. Gascoyne Peng, Orthopaedic Innovation Centre	Process Monitoring, Control, and Qualification Material Properties II Academic research I	Exhibit Hours 10:00 am – 6:00 pm 7:00 am – 6:00 pm MMI Display <i>Lobby</i>
10:45 AM - 10:55 AM 3D Printing Soft Polydimethylsiloxane (PDMS) Elastomer Toward Custom Fit Wearable Devices (Intermediate) Sara Abdollahi & Adam Feinberg PhD, Carnegie Mellon University		10:30 am – 11:30 am Show Floor Tour: General
10:55 AM - 11:05 AM 3D Bioprinting Collagen Scaffolds for Engineering Human Cardiac Tissue (Intermediate) Andrew Lee & Adam Feinberg PhD, Carnegie Mellon University		10:30 am – 11:30 am Tech Briefing: Additive Manufacturing <i>Theater</i>
11:05 AM - 11:15 AM 3D Printing Collagen Type I Using Freeform Reversible Embedding of Suspended Hydrogels (FRESH) (Intermediate) Thomas J. Hinton & Adam Feinberg PhD, Carnegie Mellon University		11:30 am – 12:30 pm SME AM Community Panel <i>Theater</i>
11:15 AM - 11:25 AM Control of Gelatin Particle Size and Uniformity to Improve Fidelity Using FRESH 3D Bioprinting (Expert) Andrew Hudson & Adam Feinberg PhD, Carnegie Mellon University		12:30 pm -1:30 pm SME MMI Theater Hour SME Medical AM/3DP Workgroup FDA/CDRH DICOM WG-17 3D Manufacturing RSNA 3D Printing SIG <i>Theater</i>
11:25 AM - 11:45 AM Additive Manufacturing of Biodegradable Photopolymers and Ceramics (Intermediate) Johannes Benedikt PhD, Lithoz GmbH		1:00 pm – 6:00 pm Poster Session

Wednesday, May 10 (continued)

MMI: Biomaterials <i>continued</i>		Exhibits and Other Activities <i>continued</i>
11:45 AM - 12:10 PM Additive Manufacturing of Polymeric Biosensors and Drug Delivery Devices(Intermediate) Roger NarayanUNC/NCSU, Joint Departmentof Biomedical Engineering		1:20 pm -2:00 pm Reinventing Possibilities in Manufacturing of Medical Devices <i>Smart Manufacturing Hub</i>
MMI: Quality, Regulatory & Implants 2:15 pm – 4:15 pm-- <i>ROOM: 306-307</i>	RAPID+TCT Sessions of Interest 2:15 pm -4:15 pm	2:15 pm – 3:15 PM Show Floor Tour: Medical Applications
MODERATOR: Roger Narayan	New Processes Power Up	2:30 pm – 3:30 PM Tech Briefing: 3D Scanning <i>Theater</i>
2:15 PM - 2:40 PM Quality Strategy Approach for Additive Manufacturing (Intermediate) Gilbert A. Cortes, Johnson & Johnson	Quality and Inspection Materials II New Processes Power Up	3:30 pm – 5:00 pm Technology Launch Pad <i>Theater</i>
2:45 PM - 3:10 PM A Study on Removal of Additive Manufacturing Residue from Complex Parts (Expert) Matthew DiPrima & James Coburn, US Food & Drug Administration	Quality and Inspection Materials II	4:30 pm -5:00 pm 3D Fashion Show <i>Design Studio</i>
3:15 PM - 3:40 PM Addressing Challenges in Custom Orthopedic Implants Using Additive Manufacturing (Novice) Maryam Jahanzad & Guha Manogharan PhD, Pennsylvania State University		5:00 pm – 6:00 pm Show Floor Networking Reception
3:45 PM - 4:10 PM Anisotropic Behaviors of 3D Printed Dental Jaw Bone Implants (Intermediate) Xiong Yu PhD PE & Russel Wang, Case Western Reserve University		

Thursday, May 11

Registration/Badge Pick-up 7:00 am – 1:00 pm		
8:00 am – 9:45 am KEYNOTE and PANEL <i>ROOM: Spirit of Pittsburgh Ballroom</i>		
PANEL: So Where Do We Go from Here? Moderator: James Woodcock, Head of Content, The TCT Group Panelists: Mark Cotteleer, Managing Director, Deloitte; Todd Grimm, President, T. A. Grimm & Associates, Inc; Graham Tromans, Owner and Principal Industry Consultant, GP Tromans Associates; Robin Wilson, Head of Manufacturing, Innovate UK		
KEYNOTE: The Future of Additive Manufacturing and 3D Printing Terry Wohlers, Principal Consultant and President, Wohlers Associates, Inc.		
MMI: Metals 10:15 am – 12:15 pm-- <i>ROOM: 306-307</i>	RAPID+TCT Sessions of Interest 2:15 pm – 4:15 pm	Exhibits and Other Activities
MODERATOR: Alejandro Espinoza		Exhibit Hours 10:00 am – 2:00 pm
10:15 AM - 10:40 AM Additive Manufacture of Stiffness Matched Skeletal Fixation Devices (Expert) David Dean PhD, The Ohio State University	Material Properties III Materials III Material Properties III	7:00 am – 2:00 pm MMI Display <i>Lobby</i>
10:45 AM - 11:10 AM Design Considerations and Capabilities for Implants Manufactured with Integrated Porous Structures (Intermediate) Oscar Hedin, Arcam AB	Materials III	10:15 am – 11:00 am Tech Briefing: 3D Printing in Medicine <i>Theater</i>

<p>MMI: Metals <i>(continued)</i> 10:15 am – 12:15 pm-- ROOM: 306-307</p>		<p>Exhibits and Other Activities <i>(continued)</i></p>
<p>11:15 AM - 11:40 AM Different Metal Additive Manufacturing Laser Methods Compared to EBM for Serialized Production of Orthopedic Implants (Intermediate) Emanuele Magalini, Eurocoating s.p.a.</p>		<p>11:00 am – 12:00 pm Show Floor Tour: Medical Advancements</p>
<p>11:45 AM - 12:10 PM Effect of Powder Morphology on Mechanical Properties of Cobalt-Chrome Alloy for the Dental Industry by Laser Powder Bed Fusion (Intermediate) Ivy Li CMfgE, Material Technology Innovations Co Ltd</p>		<p>11:30 am – 12:30 pm Technology Launch Pad <i>Theater</i></p>
<p>Facility Tours 1:00 pm – 4:00 pm</p>	<p>1:00 pm – 5:00 pm SME Medical Additive Manufacturing 3D Printing Workgroup Meeting ROOM: 319</p>	
<p>Arconic (Alcoa) Bally Design/MAYA Design</p>	<p>Additional registration (no fee) required REGISTER HERE: www.sme.org/medical-am3dp-workgroup</p>	

Medical Additive Manufacturing Resources

Stay up to date throughout the year with these resources.

- www.sme.org/medical-additive
 - Technology summaries, articles, suppliers, YouTube playlist, more
 - Standards: www.sme.org/am3dp
 - Tech papers: www.sme.org/am3dpotech
 - SME Medical AM/3DP Workgroup: www.sme.org/medical-am3dp-workgroup
- Springer Open Journals
 - 3D Printing in Medicine: <http://www.springer.com/medicine/radiology/journal/41205>
 - 3D-Printed Materials and Systems: <http://www.springer.com/materials/journal/40861>
- RSNA 3D Printing Special Interest Group: <https://www.rsna.org/3D-Printing-SIG/>

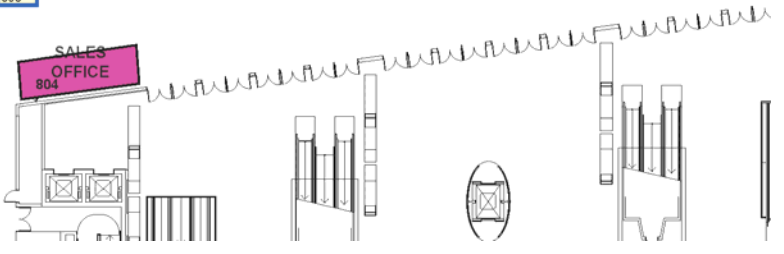
Hall A

DESIGN STUDIO
329

CONCESSIONS

POSTER SESSION
(WED ONLY)
409

Usher Precip 555	ISQUARED 654	Free man 655	Ophir Spiric 754	3D Metal 755	Admatec 854	Youngtown 853	Autonomous 954	ACTech 1054	Eican 1055	Bullitt 1155	Auber 1254	Techni 1255	Halix 1354	Perry 1454	CAD 1454
U.S. Army 553	Additive 652	Rosler 653	Develop 3D 752	Magnesium 753	Tech Briefs 852	Print 851	General 952	Digital 1051	AMUG 1053	HK Tech 1153	Catalyst 1252	Heaton 1253	Romanoff 1353	Eirich 1453	IMR 1452
Penn State 551	Aurora 650	Nexo 651	Design 750	R-VI 751	Robo 850	AMP 849	Singapore 950	Inovar 1050	Chem 1051	Lewell 1151	Dunlop 1250	Materi 1251	1249 1348	Poly 1351	Add 1450
NCSM 547	Nopology 648	Naber 649	Marka 748	Direct 749	Clanco 846	LINK 847	3D 945	3Diligent 1049	Wipro 1047	Inert 1147	Stacker 1246	1247 1346	1347 1446	Arconic 1347	Munk 1446
US 541	YXION 649	Kyrpiling 637	Hexagon 742	H.C. Starck 743	3rd 842	Lithoz 843	3DSIM 942	Washi 943	Blender 1041	Logjet 1141	TRUMPF 1237	1137	1237	1341	CADBLU 1440
OR 537	Lasertechnology Inc	Blaschke 736	Vader 740	Advanced 741	T-M 840	TUV 841	LL 940	Toner 941	Blender 1037	BigRep 1137	1137	1237	1337	1337	1440
University 529	Wenzel 628	M Braun 629	Stratane 728	DWS 729	Ultimaker 829	Raise 929	Covestro 1029	Dismore 1129	FARO 1229	Concept 1327	1327	1327	1327	1327	1440
Silicones 527	Baker 626	US Metal 627	Microtac 726	Scan 727	Filament 826	Ninjabot 927	TIGER 1026	Oxford 1127	LPW 1223	Optomec 1323	1323	1323	1323	1323	1440
Women 523	Vender 622	German 623	Sci & Tech 722	LSI 725	RAMP 824	Shenzhen 823	BOFA 925	Imposible 1023	3D Print 1123	1223	1223	1223	1223	1223	1440
Lanca 519	Matte 618	L-DEVO 617	Angli 716	Preair 717	VAC- 818	RPM 817	Hybrid 916	Polymaker 1017	Solid 1117	RePli 1218	DDM 1217	Scaky 1316	1317	1416	1416
HAD 517	HR 616	Pensa 615	CNPC 714	Protoc 715	Vorti- 816	Atlant 815	Hybrid 914	RP Sales 917	Phasi 1117	Form 1218	Cincinnati 1217	1316	1316	1416	1416
Addi 515	Keyp 614	Body 613	PES 712	Tech 713	MaxiBlast 812	Cinq 811	EMS 910	Carpe 915	Ncrypt 1013	3D Tech 1217	1217	1316	1316	1416	1416
Coex 513	Addi 612	Penn 611	United 710	Lott 711	Rapid 811	1317	1416	Miller 911	1013	1112	1213	1316	1416	1416	1416
CM 511	Profound 611	EXOV 609	Chem 708	Tipron 709	808	811	910	Rize, Inc. 1010	1013	1112	1213	1316	1416	1416	1416

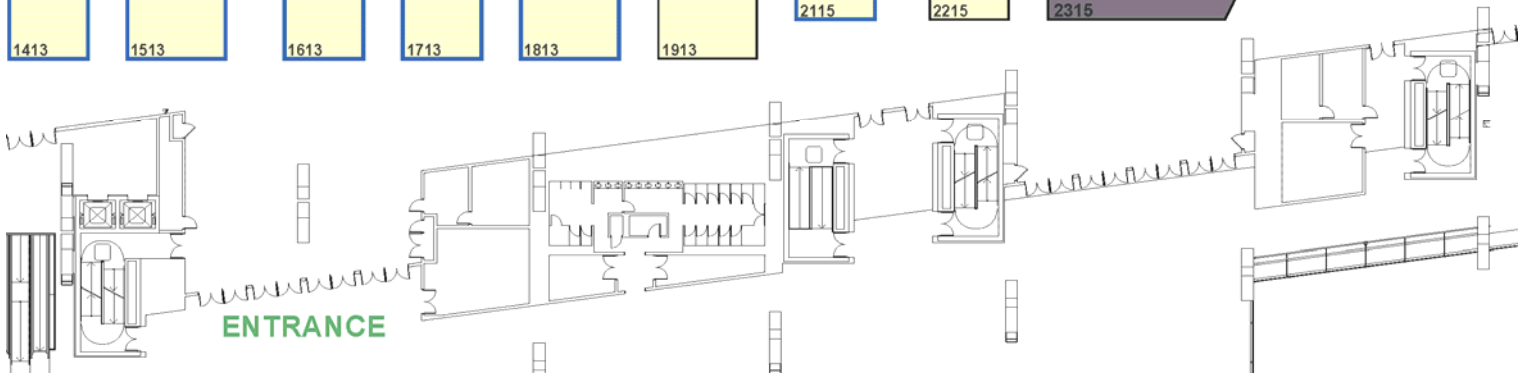


To find resources for Medical Manufacturing Innovations, visit the exhibitors with blue borders.

Hall B

Hall C

<table border="1"> <tr><td>3DCeram</td><td>Newpro3D</td></tr> <tr><td>1453</td><td>1552</td></tr> <tr><td>ATI Solid Fusion</td><td></td></tr> <tr><td>1451</td><td>1550</td></tr> <tr><td>KNOWLEDGE BAR</td><td></td></tr> <tr><td>1447</td><td></td></tr> </table>	3DCeram	Newpro3D	1453	1552	ATI Solid Fusion		1451	1550	KNOWLEDGE BAR		1447		<table border="1"> <tr><td>SWECO Photocan tric3D</td></tr> <tr><td>1553</td></tr> <tr><td>PTM & W</td><td>1650</td></tr> <tr><td>1551</td><td></td></tr> <tr><td>Midwest Composite Technologies</td></tr> <tr><td>1547</td></tr> </table>	SWECO Photocan tric3D	1553	PTM & W	1650	1551		Midwest Composite Technologies	1547	<table border="1"> <tr><td>Ruwa c</td><td>Stran gres</td></tr> <tr><td>1655</td><td>1754</td></tr> <tr><td>1653</td><td>Solar Atmo</td></tr> <tr><td></td><td>1752</td></tr> <tr><td>Smarr ech</td><td>Pres sure</td></tr> <tr><td>1651</td><td>1750</td></tr> <tr><td>VERBA M AMERICAS LLC</td><td>3D Material Technology</td></tr> <tr><td>1647</td><td>1746</td></tr> </table>	Ruwa c	Stran gres	1655	1754	1653	Solar Atmo		1752	Smarr ech	Pres sure	1651	1750	VERBA M AMERICAS LLC	3D Material Technology	1647	1746	<div style="background-color: #f4a460; padding: 20px; border: 1px solid black;"> <p>3D PLAYGROUND</p> <p>1747</p> </div>		<table border="1"> <tr><td>LA Information</td><td>GeoCorp Inc</td></tr> <tr><td>2153</td><td>2252</td></tr> <tr><td>Spatis</td><td>NEL Analyt</td></tr> <tr><td>2151</td><td>2250</td></tr> <tr><td>Arburg Inc</td><td>3DEO</td></tr> <tr><td>2147</td><td>2246</td></tr> </table>	LA Information	GeoCorp Inc	2153	2252	Spatis	NEL Analyt	2151	2250	Arburg Inc	3DEO	2147	2246	<table border="1"> <tr><td>Kinetti S</td><td>SAS Axis</td></tr> <tr><td>2255</td><td>2354</td></tr> <tr><td>MSC Software</td><td>Identif 3D</td></tr> <tr><td>2251</td><td>2352</td></tr> <tr><td></td><td>Ideal Techn</td></tr> <tr><td></td><td>2350</td></tr> <tr><td>Russell Finex</td></tr> <tr><td>2247</td></tr> </table>	Kinetti S	SAS Axis	2255	2354	MSC Software	Identif 3D	2251	2352		Ideal Techn		2350	Russell Finex	2247	<table border="1"> <tr><td>Talro Nippon Sano</td><td>Tekna</td></tr> <tr><td>2353</td><td>2452</td></tr> <tr><td>Gopro to Inc</td><td>Extrude</td></tr> <tr><td>2351</td><td>2450</td></tr> <tr><td>Makergear</td></tr> <tr><td>2347</td></tr> </table>	Talro Nippon Sano	Tekna	2353	2452	Gopro to Inc	Extrude	2351	2450	Makergear	2347	<div style="background-color: #e91e63; color: white; padding: 20px; border: 1px solid black;"> <p>SMART MANUFACTURING HUB</p> <p>2547</p> </div>	
3DCeram	Newpro3D																																																																																
1453	1552																																																																																
ATI Solid Fusion																																																																																	
1451	1550																																																																																
KNOWLEDGE BAR																																																																																	
1447																																																																																	
SWECO Photocan tric3D																																																																																	
1553																																																																																	
PTM & W	1650																																																																																
1551																																																																																	
Midwest Composite Technologies																																																																																	
1547																																																																																	
Ruwa c	Stran gres																																																																																
1655	1754																																																																																
1653	Solar Atmo																																																																																
	1752																																																																																
Smarr ech	Pres sure																																																																																
1651	1750																																																																																
VERBA M AMERICAS LLC	3D Material Technology																																																																																
1647	1746																																																																																
LA Information	GeoCorp Inc																																																																																
2153	2252																																																																																
Spatis	NEL Analyt																																																																																
2151	2250																																																																																
Arburg Inc	3DEO																																																																																
2147	2246																																																																																
Kinetti S	SAS Axis																																																																																
2255	2354																																																																																
MSC Software	Identif 3D																																																																																
2251	2352																																																																																
	Ideal Techn																																																																																
	2350																																																																																
Russell Finex																																																																																	
2247																																																																																	
Talro Nippon Sano	Tekna																																																																																
2353	2452																																																																																
Gopro to Inc	Extrude																																																																																
2351	2450																																																																																
Makergear																																																																																	
2347																																																																																	
<table border="1"> <tr><td>Prodways</td></tr> <tr><td>1437</td></tr> </table>	Prodways	1437	<table border="1"> <tr><td>Desktop Metal</td></tr> <tr><td>1537</td></tr> </table>	Desktop Metal	1537	<table border="1"> <tr><td>Formlabs</td></tr> <tr><td>1637</td></tr> </table>	Formlabs	1637	<table border="1"> <tr><td>Carbon</td></tr> <tr><td>1737</td></tr> </table>	Carbon	1737	<table border="1"> <tr><td>Imperial Machine & Tool Co & Solid Innovations LLC</td></tr> <tr><td>1841</td></tr> <tr><td>GKN Powder Metallurgy</td></tr> <tr><td>1837</td></tr> </table>	Imperial Machine & Tool Co & Solid Innovations LLC	1841	GKN Powder Metallurgy	1837	<table border="1"> <tr><td>AddUp Fives Michelin Additive Solutions</td></tr> <tr><td>1939</td></tr> <tr><td>Beam Machines Inc</td></tr> <tr><td>1937</td></tr> </table>	AddUp Fives Michelin Additive Solutions	1939	Beam Machines Inc	1937	<table border="1"> <tr><td>Trimtech</td><td>Direct Dimen</td></tr> <tr><td>2141</td><td>2242</td></tr> <tr><td></td><td>West morel</td></tr> <tr><td></td><td>2240</td></tr> <tr><td>GleamX S/A</td><td>Xjet</td></tr> <tr><td>2137</td><td>2236</td></tr> </table>	Trimtech	Direct Dimen	2141	2242		West morel		2240	GleamX S/A	Xjet	2137	2236	<table border="1"> <tr><td>C & A Tool</td><td>Hoga ras</td></tr> <tr><td>2243</td><td>2342</td></tr> <tr><td>GE Additive</td></tr> <tr><td>2237</td></tr> </table>	C & A Tool	Hoga ras	2243	2342	GE Additive	2237	<table border="1"> <tr><td>Labor atory</td><td>REM Surfac</td></tr> <tr><td>2343</td><td>2442</td></tr> <tr><td>Solar Manuf</td><td>Grant a</td></tr> <tr><td>2341</td><td>2440</td></tr> <tr><td>3DXTech</td><td>Plural Ad Manufactur</td></tr> <tr><td>2337</td><td>2436</td></tr> </table>	Labor atory	REM Surfac	2343	2442	Solar Manuf	Grant a	2341	2440	3DXTech	Plural Ad Manufactur	2337	2436	<table border="1"> <tr><td>Pyrog nosis</td><td>TELS ONC</td></tr> <tr><td>2443</td><td>2542</td></tr> <tr><td>Precis ion</td><td>2441</td></tr> <tr><td>2441</td><td>2540</td></tr> <tr><td>ANSYS Laserline Inc</td></tr> <tr><td>2437</td><td>2536</td></tr> </table>	Pyrog nosis	TELS ONC	2443	2542	Precis ion	2441	2441	2540	ANSYS Laserline Inc	2437	2536	<table border="1"> <tr><td>CGTech</td></tr> <tr><td>2541</td><td>2640</td></tr> <tr><td>SABIC</td></tr> <tr><td>2537</td></tr> </table>	CGTech	2541	2640	SABIC	2537	<table border="1"> <tr><td>Methods Machine Tools Inc</td></tr> <tr><td>2637</td></tr> </table>	Methods Machine Tools Inc	2637						
Prodways																																																																																	
1437																																																																																	
Desktop Metal																																																																																	
1537																																																																																	
Formlabs																																																																																	
1637																																																																																	
Carbon																																																																																	
1737																																																																																	
Imperial Machine & Tool Co & Solid Innovations LLC																																																																																	
1841																																																																																	
GKN Powder Metallurgy																																																																																	
1837																																																																																	
AddUp Fives Michelin Additive Solutions																																																																																	
1939																																																																																	
Beam Machines Inc																																																																																	
1937																																																																																	
Trimtech	Direct Dimen																																																																																
2141	2242																																																																																
	West morel																																																																																
	2240																																																																																
GleamX S/A	Xjet																																																																																
2137	2236																																																																																
C & A Tool	Hoga ras																																																																																
2243	2342																																																																																
GE Additive																																																																																	
2237																																																																																	
Labor atory	REM Surfac																																																																																
2343	2442																																																																																
Solar Manuf	Grant a																																																																																
2341	2440																																																																																
3DXTech	Plural Ad Manufactur																																																																																
2337	2436																																																																																
Pyrog nosis	TELS ONC																																																																																
2443	2542																																																																																
Precis ion	2441																																																																																
2441	2540																																																																																
ANSYS Laserline Inc																																																																																	
2437	2536																																																																																
CGTech																																																																																	
2541	2640																																																																																
SABIC																																																																																	
2537																																																																																	
Methods Machine Tools Inc																																																																																	
2637																																																																																	
<table border="1"> <tr><td>CIDEAS Inc</td></tr> <tr><td>1429</td></tr> <tr><td>Wiscon sion</td><td>Fabris onic</td></tr> <tr><td>1427</td><td>1528</td></tr> <tr><td>Hoosier Partem</td><td>North Star Imaging Inc</td></tr> <tr><td>1423</td><td>1522</td></tr> </table>	CIDEAS Inc	1429	Wiscon sion	Fabris onic	1427	1528	Hoosier Partem	North Star Imaging Inc	1423	1522	<table border="1"> <tr><td>Voxeljet</td></tr> <tr><td>1529</td></tr> <tr><td>Somos Materials</td></tr> <tr><td>1523</td></tr> </table>	Voxeljet	1529	Somos Materials	1523	<table border="1"> <tr><td>Renishaw Inc</td></tr> <tr><td>1629</td></tr> <tr><td>ExOne Company</td></tr> <tr><td>1623</td></tr> </table>	Renishaw Inc	1629	ExOne Company	1623	<table border="1"> <tr><td>Autodesk</td></tr> <tr><td>1727</td></tr> <tr><td>Silicon Technology Corp</td><td>In Tech Industries Inc</td></tr> <tr><td>1723</td><td>1822</td></tr> </table>	Autodesk	1727	Silicon Technology Corp	In Tech Industries Inc	1723	1822	<table border="1"> <tr><td>Aleph Objects Inc Lulzbot 3D Printers</td></tr> <tr><td>1829</td></tr> <tr><td>Additive Industries</td><td>Afinia 3D</td></tr> <tr><td>1823</td><td>1926</td></tr> <tr><td>Capture 3D Inc</td></tr> <tr><td>1922</td></tr> </table>	Aleph Objects Inc Lulzbot 3D Printers	1829	Additive Industries	Afinia 3D	1823	1926	Capture 3D Inc	1922	<table border="1"> <tr><td>Mazak Corporation</td></tr> <tr><td>1927</td></tr> <tr><td>Fusion3</td><td>AddiTec</td></tr> <tr><td>1923</td><td>2022</td></tr> </table>	Mazak Corporation	1927	Fusion3	AddiTec	1923	2022	<table border="1"> <tr><td>Sintavia LLC</td></tr> <tr><td>2129</td></tr> <tr><td>GPI Protot</td><td>Kittyhawk</td></tr> <tr><td>2127</td><td>2226</td></tr> <tr><td>SharGard Int Inc</td><td>Roland DGA</td></tr> <tr><td>2123</td><td>2222</td></tr> </table>	Sintavia LLC	2129	GPI Protot	Kittyhawk	2127	2226	SharGard Int Inc	Roland DGA	2123	2222	<table border="1"> <tr><td>SPI Lasers</td><td>Programas Corp</td></tr> <tr><td>2229</td><td>2328</td></tr> <tr><td>Sodick</td></tr> <tr><td>2223</td></tr> </table>	SPI Lasers	Programas Corp	2229	2328	Sodick	2223	<div style="background-color: #5d5d5d; color: white; padding: 20px; border: 1px solid black;"> <p>TCT Group America Makes / NCDMM</p> <p>2331 2530</p> <div style="background-color: #333; color: white; padding: 10px; border: 1px solid black; margin: 10px auto; width: 80%;"> <p>THEATER</p> <p>2321</p> </div> <p>SME</p> <p>2315</p> </div>		<table border="1"> <tr><td>3D Systems</td></tr> <tr><td>2525</td></tr> </table>	3D Systems	2525	<table border="1"> <tr><td>HP Inc</td></tr> <tr><td>2517</td></tr> </table>	HP Inc	2517												
CIDEAS Inc																																																																																	
1429																																																																																	
Wiscon sion	Fabris onic																																																																																
1427	1528																																																																																
Hoosier Partem	North Star Imaging Inc																																																																																
1423	1522																																																																																
Voxeljet																																																																																	
1529																																																																																	
Somos Materials																																																																																	
1523																																																																																	
Renishaw Inc																																																																																	
1629																																																																																	
ExOne Company																																																																																	
1623																																																																																	
Autodesk																																																																																	
1727																																																																																	
Silicon Technology Corp	In Tech Industries Inc																																																																																
1723	1822																																																																																
Aleph Objects Inc Lulzbot 3D Printers																																																																																	
1829																																																																																	
Additive Industries	Afinia 3D																																																																																
1823	1926																																																																																
Capture 3D Inc																																																																																	
1922																																																																																	
Mazak Corporation																																																																																	
1927																																																																																	
Fusion3	AddiTec																																																																																
1923	2022																																																																																
Sintavia LLC																																																																																	
2129																																																																																	
GPI Protot	Kittyhawk																																																																																
2127	2226																																																																																
SharGard Int Inc	Roland DGA																																																																																
2123	2222																																																																																
SPI Lasers	Programas Corp																																																																																
2229	2328																																																																																
Sodick																																																																																	
2223																																																																																	
3D Systems																																																																																	
2525																																																																																	
HP Inc																																																																																	
2517																																																																																	
<table border="1"> <tr><td>EOS of North America</td></tr> <tr><td>1413</td></tr> </table>	EOS of North America	1413	<table border="1"> <tr><td>Stratasys Inc</td></tr> <tr><td>1513</td></tr> </table>	Stratasys Inc	1513	<table border="1"> <tr><td>Materialise</td></tr> <tr><td>1613</td></tr> </table>	Materialise	1613	<table border="1"> <tr><td>SLM Solutions NA Inc</td></tr> <tr><td>1713</td></tr> </table>	SLM Solutions NA Inc	1713	<table border="1"> <tr><td>EnvisionTEC Inc</td></tr> <tr><td>1813</td></tr> </table>	EnvisionTEC Inc	1813	<table border="1"> <tr><td>Zortrax S A</td></tr> <tr><td>1913</td></tr> </table>	Zortrax S A	1913	<table border="1"> <tr><td>Advanced Powders</td></tr> <tr><td>2119</td></tr> <tr><td>Arcam AB</td></tr> <tr><td>2115</td></tr> </table>	Advanced Powders	2119	Arcam AB	2115	<table border="1"> <tr><td>Oerlikon Metco US Inc</td></tr> <tr><td>2215</td></tr> </table>	Oerlikon Metco US Inc	2215																																																								
EOS of North America																																																																																	
1413																																																																																	
Stratasys Inc																																																																																	
1513																																																																																	
Materialise																																																																																	
1613																																																																																	
SLM Solutions NA Inc																																																																																	
1713																																																																																	
EnvisionTEC Inc																																																																																	
1813																																																																																	
Zortrax S A																																																																																	
1913																																																																																	
Advanced Powders																																																																																	
2119																																																																																	
Arcam AB																																																																																	
2115																																																																																	
Oerlikon Metco US Inc																																																																																	
2215																																																																																	



In the exhibit hall, look for floor stickers in the aisle to find Medical Manufacturing Innovations Exhibitors.

Booth Number					
523	Xiamen Raco Electronic Technology Co. Ltd.	929	Shanghai Fusion Tech Co. Ltd	1637	Formlabs
537	OR Lasertechnology Inc	937	3D Platform	1650	Photocentric3D
555	Visser Precision	942	3DSIM	1655	Ruwac
608	Profound3D	943	Washington Mills Ceramics	1713	SLM Solutions NA Inc
617	L-DEVO Japan	947	STARDUST MATERIALS LLC	1727	Autodesk
623	German Reprap	1010	Rize, Inc.	1737	Carbon
626	Baker Industries	1013	Nscript Inc	1746	3D Material Technologies
712	PES Testing	1017	Polymaker	1813	EnvisionTEC Inc
713	Tech Cast LLC	1026	Sigma Labs Inc	1823	Additive Industries
714	CNPC Powder North America Inc	1037	Jesse Garant Metrology Center	1837	GKN Powder Metallurgy
715	Protocam	1046	Polyrix Inc	1923	Fusion3
716	Agile Manufacturing Inc	1047	Wipro Ltd	1926	Afinia 3D
725	LSN Diffusion LTD	1113	Oriental Motor USA Corp	2115	Arcam AB
728	Stratasys Direct Manufacturing	1126	TIGER-VAC USA INC	2119	Advanced Powders
729	DWS SRL	1137	BigRep America Inc	2127	GPI Prototype & Manufacturing Services Inc
743	H.C. Starck GmbH	1212	Hangzhou Shining 3D Tech Co Ltd	2147	Arburg Inc
746	SICAM Corporation	1223	LPW Technology Inc	2223	Sodick
748	Markany Inc	1226	Synergieering Group	2237	GE Additive
751	II-VI	1229	FARO Technologies Inc	2242	Direct Dimensions Inc
808	Rapid Prototyping Services	1237	TRUMPF Inc	2243	C & A Tool Engineering
811	Cimquest Inc	1250	Dunlee - Smit Röntgen	2246	3DEO
818	VAC-U-MAX	1313	Essentium Materials LLC	2250	NSL Analytical Services Inc
822	Forecast 3D	1327	Concept Laser Inc	2252	GeoCorp Inc
823	Shenzhen Esun Industrial Co Ltd	1337	Microtek Finishing	2255	Kinetic Vision
829	Ultimaker	1351	Polygonica - MachineWorks	2331	TCT Group
843	Lithoz GmbH	1355	Perryman Company	2342	Hoganas
846	Clemco Industries Corp	1413	EOS of North America	2343	Laboratory Testing Inc
847	LINK3D	1416	Proto Labs Inc	2347	Makergear
915	Carpenter Technology Corp	1429	CIDEAS Inc	2436	Plural Additive Manufacturing
917	RP Sales America, Inc and UnionTech, Inc	1450	Added Scientific	2440	Granta Design Ltd
926	Intamsys Technology Co LTD	1513	Stratasys Inc	2452	Tekna
		1522	North Star Imaging Inc	2517	HP Inc
		1613	Materialise	2525	3D Systems
				2637	Methods Machine Tools Inc

3D Material Technologies 1746

810 Flight Line Blvd
 Deland, FL 32724-2055
 United States
 P: 386-626-0006

3D Platform 937

6402 E Rockton Rd
 Roscoe, IL 61073-8812
 United States
www.3dplatform.com
 P: 800-962-8979

3D Systems 2525

333 Three D Systems Cir
 Rock Hill, SC 29730-7811
 United States
www.3dsystems.com
 P: 803-326-3900

3DEO 2246

852 Santee St
 Los Angeles, CA 90014
 United States
www.3deo.com
 P: 310-400-6382

3DSIM 942

1794 Olympic Pkwy Ste 110
 Park City, UT 84098-6388
 United States
 P: 435-363-5197

3DSIM provides predictive simulation tools that help medical professionals understand how their metal AM designs will react to the AM process before physically building the part; drastically improving the probability of first pass success, which is critical in time sensitive implant situations. Users can also improve efficiency in developing new materials and improving manufacturing of AM components through simulation. Confidence rises with knowledge and 3DSIM provides that necessary insight!

Added Scientific 1450

Coates Building University Park
 Nottingham NG7 2RD
 United Kingdom
www.addedscientific.com

We work with the pharmaceutical and medical industries to help develop AM processes and materials to manufacture pharmaceutical dosage forms and advanced design methodology for next generation prosthetics and medical devices.

Additive Industries 1823

Postbus 30160
Eindhoven 5600 GA
Netherlands
additiveindustries.com
P: 31(402)1800660

Advanced Powders 2119

3765 Rue La Vérendrye
Boisbriand, QC J7H 1R8
Canada
www.raymor.com
P: 450-434-1004

Afinia 3D 1926

8150 Mallory Ct
Chanhausen, MN 55317-8586
United States
www.afia3d.com
P: 952-556-1600

Afinia 3D desktop printers and 3D scanners are utilized in medical applications to create prosthetics, medical models, and fixtures. The EinScan-Pro is a handheld 3D scanner that captures 3D detail for a price under \$5000 and the H800 3D printer can create models as large as 10x8x8 inches and is under \$2000.

Agile Manufacturing Inc 716

920 W 10th St
Pella, IA 50219-7860
United States
www.additive3d.parts
P: 641-780-5385

Arburg Inc 2147

644 West St
Rocky Hill, CT 06067-3414
United States
www.arburg.com
P: 860-667-6500

Arcam AB 2115

Kroklaetts Fabriker 27A
Moelndal, Vaestra Goetalands Laen 431 37
Sweden
www.arcam.com
P: 46 31710320

Arcam's EBM technology is used for the production of standard as well as custom orthopedic implants. The Arcam EBM technology allows implant industries to manufacture innovative products and at the same time reduce production costs and lead times. It is particularly cost-efficient for volume production of press-fit implants with advanced Trabecular Structures™. Solid and porous sections of the implant are built in the same process step, eliminating the need to apply coatings.

Autodesk 1727

PO Box 8250
San Rafael, CA 94912-8250
United States
www.autodesk.com/
P: 415-507-5000

Autodesk Within Medical is generative design software that optimizes 3D printing of medical implants for the orthopedic industry. The software allows biomedical engineers to create orthopedic implants with micro-lattice porous structures that help

properly connect the implants to living bone (osseointegration), and promote development of blood vessels in the surrounding tissue (vascularization) to facilitate healing.

Baker Industries 626

16936 Enterprise Dr
Macomb, MI 48044-1006
United States
P: 586-764-7763

BigRep America Inc 1137

Gneisenastr 66
Berlin 10961
Germany
www.bigrep.com
P: 4.9302084826e+012

C & A Tool Engineering 2243

PO Box 94
Churubusco, IN 46723-0094
United States
www.catool.com
P: 914-572-2939

Carbon 1737

1089 Mills Way
Redwood City, CA 94063-3119
United States
carbon3d.com
P: 650-285-6307

Carbon, a Silicon Valley-based additive manufacturing company, offers modern hardware, software and functional resins, enabling manufacturers of medical therapies to move beyond prototyping to direct digital manufacture. With a range of sterilizable, biocompatible, engineering resins, Carbon provides the ability to transition from design iteration to manufacture on a single platform, opening up tremendous opportunities for device manufacturers, dental laboratories, and diagnostics companies.

Carpenter Technology Corp 915

101 Bern St
Reading, PA 19601-1203
United States
www.carttech.com
P: 800-654-6543

Carpenter Powder Product's powder metal alloys are designed for special applications in the medical industry. Customized CarTech Micro-Melt alloys provide superior performance for medical products such as orthopedic implants, fracture fixation devices and surgical instruments.

CIDEAS Inc 1429

125 Erick St Ste A115
Crystal Lake, IL 60014-4500
United States
www.buildparts.com
P: 847-639-1000

For over 10 years, CIDEAS has been producing anatomical models for use in pre-surgery as well as training for doctors. Utilizing CT scans, the enlarged SLA parts are typically built in clear and Polished to view the internal cavities, as well as, flow.

Cimquest Inc 811

3434 Us Highway 22 Ste 130
Branchburg, NJ 08876-6011
United States
www.cimquest-inc.com
P: 732-699-0400

Clemco Industries Corp 846

1 Cablecar Dr
Washington, MO 63090-1122
United States
www.clemcoindustries.com
P: 636-239-4300

We manufacture equipment used to clean and improve the surface finish of parts made with additive manufacturing processes.

CNPC Powder North America Inc 714

Unit 204 23 Fourth Street
Charlottetown, PE C1E 2B4
Canada
P: 902-316-0218

As a metal powder supplier, we work with our clients to develop customized powder solutions that can meet the needs of the medical industry.

Concept Laser Inc 1327

1000 Texan Trl Ste 150
Grapevine, TX 76051-3780
United States
www.conceptlaserinc.com
P: 817-328-6500

From quick-turn prototyping to large-scale series production, Concept Laser printers are becoming a standard solution for medical manufacturers. Our 3D metal printers enable the production of complex, trabecular, bio-analogous structures for enhanced osseo- and vascular integration. LaserCusing® gives the manufacturer the capability to produce highly customized implants, foam, or lattice structures that are specific to a patients needs.

Direct Dimensions Inc 2242

10310 S Dolfield Rd Ste B
Owings Mills, MD 21117-3558
United States
P: 410-998-0880

Direct Dimensions works closely with clinicians to create cosmetically accurate prosthesis, usually for the face, and also fingers, hands, toes, feet, and other. Come by our booth to see samples and learn about this process. We've been helping medical professionals from Johns Hopkins, Walter Reed, and others for years.

Dunlee - Smit Röntgen 1250

Veenpluis 6
Best 5684 PC
Netherlands
www.smitroentgen.com
P: 31(402)762707

DWS SRL 729

Via della Meccanica, 21
Thiene, VI 36016
Italy
www.dwssystems.com
P: 39-044-5810810

DWS features six high-performance 3D printers, designed for dentists and large labs. The company's materials are developed for: crowns, bridges, partials, digital models, surgical guides (class I)*, 3D medical imaging and the biocompatible material (class IIA)* for restorations. *(as for the European Council Directive 93/42/EEC, waiting for extra-EU approval).

EnvisionTEC Inc 1813

15162 S Commerce Dr
Dearborn, MI 48120-1237
United States
www.envisiontec.com
P: 313-436-4300

EOS of North America 1413

28970 Cabot Dr Ste 700
Novi, MI 48377-2978
United States
www.eos.info
P: 248-306-0143

The EOS Additive Manufacturing process allows for fast, flexible, and cost-effective production of individual or small customised lots of medical devices and instruments. Unlike conventional manufacturing methods, EOS Additive Manufacturing allows maximum design flexibility, enabling the implementation of innovative medical functions. Thus, test series, prototypes, patient-specific one-off parts and small production runs can be manufactured at a profit.

Essentium Materials LLC 1313

5880 Imperial Loop Ste 10
College Sta, TX 77845-6442
United States
www.essentiummaterials.com
P: 979-777-2354

FARO Technologies Inc 1229

250 Technology Park
Lake Mary, FL 32746-7115
United States
www.faro.com
P: 407-333-9911

FoldStar Inc 1653

21 Longview Dr
Holmdel, NJ 07733-1641
United States
www.foldstar.com
P: 732-539-0905

FoldStars patented software and machine design technology facilitates the creation of complex fully reversible deterministic folding tessellations for sheet and cylinder materials.

Forecast 3D 822

2221 Rutherford Rd
Carlsbad, CA 92008-8815
United States
P: 760-929-9380

Formlabs 1637

35 Medford St Ste 201
Somerville, MA 02143-4237
United States
www.formlabs.com
P: 617-932-5227

Fusion3 1923

2700 Liberty Rd
Greensboro, NC 27406-4714
United States
www.fusion3design.com
P: 877-452-0010

GE Additive 2237

9701 Windisch Rd ste 100
West Chester, OH 45069
United States
www.geadditive.com
P: 513-618-5295

The medical industry uses both Concept Laser and Arcam (both part of GE Additive) machines for the development and manufacture of medical devices and implants. Arcam's electron beam melting technology has revolutionized the production of acetabular cup implants, and Concepts laser melting enables the precision necessary for complex medical parts.

GeoCorp Inc 2252

9010 River Rd
Huron, OH 44839-9523
United States

GeoCorp, Inc. currently supplies thermocouples and thermocouple wire to companies that work with the MedAccred program offered by PRI. We understand the quality required to maintain accreditation. If you're looking at the MedAccred program and have any questions please contact us. We'll be happy to help.

German Reprap 623

SW 8th St ste 204-A
Coral Gables, FL 33134
United States
www.germanreprap.us
P: 786-701-0700

GKN Powder Metallurgy 1837

Krebsoege 10
Oberbergischer Kreis 42477
Germany

Our products are used in the field of medicine for example for prostheses as well as in the field of surgical aids, for example in the form of grippers.

GPI Prototype & Manufacturing Services Inc 2127

940 W North Shore Dr
Lake Bluff, IL 60044-2202
United States
www.gpiprototype.com
P: 847-615-8900

Typical projects include a variety of custom medical devices and prototypes. GPI's custom medical device and implant replicas have helped launch and sustain numerous medical device and implant product lines for a wide range of clients. We understand the costs that go into designing and manufacturing medically

approved devices and implants and that a successful product launch has to be affordable, scalable and impactful.

Granta Design Ltd 2440

300 Rustat House
Cambridge CB1 7EG
United Kingdom
www.grantadesign.com
P: 44 (122) 3518895

H.C. Starck Gmbh 743

Im Schleeke 78-91
Germany
P: 617-610-7381

H.C. Starck offers high quality CoCr alloy powders that are well known for use in medical/dental applications as well as a variety of stainless steels used for medical instruments.

Hangzhou Shining 3D Tech Co Ltd 1212

18th Floor Block A
Hangzhou City, Zhejiang Province 311215
China
P: 86-571-82999050

Shining 3D AutoScan Dental 3D Scanners capture the model and marks drawing by hand clearly, the fine details offers a reference in the digitizing design for dental technicians: http://en.shining3d.com/3d_digitizer-88.html Our EinScan-Pro Handheld 3D Scanner has a great application in custom orthotics and prosthetics by scanning the human body part: <http://www.einscan.com/single-post/2016/04/14/EinScanPro-3D-Scanning-Technology-Helps-Arm-Hurt-Patients-in-Orthotic-Solution>

Hoganas 2342

Se 26383
Sweden
hoganas.com
P: 464233 -8140

HP Inc 2517

5555 Windward Pkwy
Alpharetta, GA 30004-3895
United States
www.hp.com
P: 404-648-8772

II-VI 751

375 Saxonburg Blvd
Saxonburg, PA 16056-9499
United States
P: 724-352-4455

Intamsys Technology Co LTD 926

Floor 3rd Building C9/31 No 3188 Xiupu Road
Shanghai,
China

Jesse Garant Metrology Center 1037

628 Monmouth Rd Unit G7
Windsor, ON N8Y 3L1
Canada
www.jgarantmc.com
P: 855-962-5300

Kinetic Vision 2255

10255 Evendale Commons Dr
Cincinnati, OH 45241-3250
United States

Kinetic Vision utilizes additive manufacturing in the development of medical devices and related products.

Laboratory Testing Inc 2343

2331 Topaz Dr
Hatfield, PA 19440-1936
United States
www.labtesting.com
P: 215-997-9080

Laboratory Testing Inc. has full-service testing capabilities to analyze and inspect input materials, prototypes and finished medical implants and instruments.

L-DEVO Japan 617

5 7 3 Higashi-Ikebukuro
Tokyo 170-0013
Japan

LINK3D 847

104 W 17th St Apt 3S
New York, NY 10011-5419
United States
link3d.co
P: 908-247-8678

Lithoz Gmbh 843

Mollardgasse 85a/2/64-69
Vienna,
Austria
P: 4.3934661221e+011

PNEUMATIC INTRACARDIAC-CATHERED-PUMP WITH HIGH-PERFORMANCE CERAMICS: After a heart surgery or a cardiac infarction the heart needs support to pump the blood. This novel approach developed by the Vienna University of Technology and Vienna Medical University is made of ceramic and is driven by helium gas. Together with an already existing balloon, which ensures that the coronary vessels are provided with enough blood, the pump is inserted via a catheter and no electrical power supply is necessary.

LPW Technology Inc 1223

511 Parkway View Dr
Pittsburgh, PA 15205-1410
United States
P: 412-788-2856

LPW provides premium metal powders and analytical services to the medical AM industry for the production of implants and instruments, and to improve the reliability, efficacy of said production.

LSN Diffusion LTD 725

Cilyrychen Industrial Estate
Ammanford, Dyfed SA18 3G
United Kingdom
www.lsndiffusion.com
P: 44(8456)822299

Makergear 2347

23632 Mercantile Rd Ste L
Beachwood, OH 44122-5916
United States
P: 216-765-0030

Markany Inc 748

10F Ssanglim Bd
Seoul-City 100-400
Korea, Republic of

MarkAny's 3D Printing SAFER and 3D CAD SAFER are the innovative security solution to protect your 3D assets and further realize safe and collaborative working environment by secure internal and external exchange of 3D assets.

Materialise 1613

Technologielaan 15
Leuven 03000
Belgium
www.materialise.com
P: 1 (734) 259-6445

Materialise has pioneered many of the leading medical applications of 3D printing, enabling researchers, engineers and clinicians to revolutionize innovative patient-specific treatment that improves and saves lives. Materialise Medical's open and flexible platform of software and services, Materialise Mimics, form the foundation of certified Medical 3D Printing, offering virtual planning software tools, 3D-printed anatomical models, and patient-specific surgical guides and implants.

Methods Machine Tools Inc 2637

65 Union Ave
Sudbury, MA 01776-2277
United States
www.methodsmachine.com
P: 978-443-5388

Microtek Finishing 1337

5579 Spellmire Dr
West Chester, OH 45246-4841
United States
www.microtekfinishing.com
P: 513-766-5600

North Star Imaging Inc 1522

19875 S Diamond Lake Rd Ste 10
Rogers, MN 55374-4651
United States
www.4nsi.com
P: 763-463-5650

Nscript Inc 1013

12151 Research Pkwy Ste 150
Orlando, FL 32826-2920
United States
www.nscript.com
P: 407-275-4720

nScript is promoting and demonstrating the next generation Biological Architectural Tool (BAT System™) for medical applications. The nScript 3Dn Series have the capability of printing the widest range of structural, electronic and biological materials on the market. 3D Printed Electronics is more than toy quadcopters, this is next generation electronic packaging. We are combining rigid, flexible, conductive, and even living cells on a single platform for electrically functional structures.

NSL Analytical Services Inc 2250

4450 Cranwood Pkwy
Cleveland, OH 44128-4004
United States
www.nslanalytical.com
P: 216-438-5200

OR Lasertechnology Inc 537

1420 Howard St
 Elk Grove Vlg, IL 60007-2221
 United States
 P: 847-593-5711

ORLAS CREATOR our new 3D metal printer prints parts with an extraordinary surface quality

Oriental Motor USA Corp 1113

1001 Knox St
 Torrance, CA 90502-1030
 United States
 www.orientalmotor.com
 P: 800-418-7903

Perryman Company 1355

213 Vandale Dr
 Houston, PA 15342-1272
 United States
 www.perrymanco.com
 P: 800-833-8820

We are a supplier of premium titanium wire and bar products used as feedstock either directly for wire additive layer manufacturing or for use in producing titanium powder material.

PES Testing 712

637 Donohoe Rd
 Latrobe, PA 15650-3524
 United States

Photocentric3D 1650

2205 W Parkside Ln
 Phoenix, AZ 85027-1243
 United States

We are developing bio compatible materials.

Plural Additive Manufacturing 2436

6455 Lakeview Blvd
 Lake Oswego, OR 97035
 United States
 P: 877-453-5506

Working in concert with a leading global specialty chemicals company, Plural and our engineering partner Sof-Tek have just developed the world's first oxygen-free printing environment for specialty medical materials research, development and production. Formal announcement coming in March 2017!

Polygonica - MachineWorks 1351

78 Clarkehouse Road
 Sheffield,
 United Kingdom
 P: 44-114223137

Polygonica can cut the production time for prosthetics through its ability to rapidly and automatically fix complex STL models for example, Renishaw AM250 laser melting machines use Polygonica software to make dental frameworks and medical implants and prostheses in a range of metals with highly complex geometries.

Polymaker 1017

5 Shadow Ln
 Great Neck, NY 11021-2510
 United States
 P: 561-213-8443

Polyrix Inc 1046

2022 Rue Lavoisier App 220
 Quebec, QC G1N 4L5
 Canada
 www.polyrix.com
 P: 418-210-0198

Polyrix Inc. introduces a new paradigm in 3D scanning with its line of Surround 3D Scanners™, enabling complete part inspection in just a few minutes. By design, Surround 3D Scanners have no moving parts. Thus, it's a safe way to automate 3D inspection: part is simply put in the cell and scanned completely without operator intervention. For more info: www.polyrix.com

Profound3D 608

611 Jeffers Cir
 Exton, PA 19341-2525
 United States

We work with clients using 3D printing in the development of prosthetic limbs, bringing this medical technology to a broader audience at a lower price and with faster delivery.

Proto Labs Inc 1416

5540 Pioneer Creek Dr
 Maple Plain, MN 55359-9003
 United States
 www.protolabs.com
 P: 763-479-3254

We make high-quality, rapid prototype parts for medical device companies using SLA, SLS, and DMLS.

Protocam 715

6620 Grant Way
 Allentown, PA 18106-9316
 United States
 www.protocam.com
 P: 610-261-9010

ProtoCAM is a leading supplier to the Investment Casting Industry providing wax patterns for joint replacements.

Rapid Prototyping Services 808

710 South Patrick Dr
 Satellite Bch, FL 32937-3804
 United States
 www.rapidps.com
 P: 321-536-2611

Rize, Inc. 1010

4C Gill St
 Woburn, MA 01801-6335
 United States
 http://www.rize3d.com
 P: 978-699-3085

Rize is the only safe, bio-compatible, professional desktop 3D printer, suitable for a medical office. Turn CT scan data into replicas of bones or organs for a pre-surgical meeting while you wait, make a tool or prototype for a medical device in a few hours. Rize 3D printers produce prototypes to improve device design, functional parts for appliance testing, end-use parts for clinical trials and customized prosthetics, and accurate models for pre-surgical planning and clinical education.

RP Sales America, Inc and UnionTech, Inc 917

1518 168th St
 New Sharon, IA 50207-8127
 United States

UnionTech™ equipment is used in the medical field to produce customized surgical guides for surgeons as well as dental aligners in orthodontics. Stereolithography technology enables customized parts at a high resolution with smooth surface quality, making it ideal for medical and dental use.

Ruwac 1655

54 Winter St
 Holyoke, MA 01040-6409
 United States
 www.ruwac.com
 P: 413-532-4030

Shanghai Fusion Tech Co. Ltd 929

2398 Walsh Ave
 Santa Clara, CA 95051-1301
 United States
 P: 415-845-1078

Our FDM printers can produce applicable exterior medical equipment regarding to printers' extra large built volumn and stability.

Shenzhen Esun Industrial Co Ltd 823

No 6 Yuexing2 Road
 Shenzhen City, Guangdong Province 518057
 China
 www.esun3d.net
 P: 86(755)26031976

SICAM Corporation 746

1 Harvard Way Ste 1
 Hillsborough, NJ 08844-4294
 United States
 www.sicam.com
 P: 908-685-2211

SICAM assists our medical device clients with reducing time-to-market of new products by providing total advanced manufacturing solutions. 3D Printing / Rapid Prototyping: SLA-SLS-FDM-FFF-DMLS. VCM Urethane Castings / Parts. PMT Rapid Tooling / Parts (injection Molding). Rapid Investment Castings / Wax Patterns. CNC Machining.

Sigma Labs Inc 1026

3900 Paseo Del Sol
 Santa Fe, NM 87507-4072
 United States
 P: 505-438-2576

SLM Solutions NA Inc 1713

48561 Alpha Dr Ste 300
 Wixom, MI 48393-3458
 United States
 P: 248-937-1112

SLM Solutions offers additive manufacturing systems ideal for use in the medical and dental fields for implants and instruments - such acetabular cups, unicondylar knee implants, cervical fusion cages and fracture fixation plates as well as dental copings, crowns, bridges and abutments. Metal powders for the process are also available, including titanium allows, cobalt-chrome and tool steel.

Sodick 2223

1605 N Penny Ln
 Schaumburg, IL 60173-4555
 United States
 http://www.sodick.com
 P: 888-639-2325

STARDUST MATERIALS LLC 947

12518 NE 95th Street
 Orchards, WA 98682
 United States
 P: 360-260-7399
 Our covert markers have passed tests for inclusion into medical devices. The markers help to identify counterfeits

Stratasys Direct Manufacturing 728

28309 Avenue Crocker
 Valencia, CA 91355-1251
 United States
 P: 888-311-1017

Stratasys Inc 1513

7665 Commerce Way
 Eden Prairie, MN 55344-2001
 United States
 www.stratasys.com
 P: 952-294-1574

Stratasys 3D Printing solutions empower doctors, researchers and medical device manufacturers to get products into clinical use faster, develop better therapies, and personalize care like never before. Stratasys can help enhance clinical outcomes and economic value at every step in the health care delivery value chain.

Synergeering Group 1226

25335 Interchange Ct
 Farmingtn Hls, MI 48335-1021
 United States
 www.synergeering.com
 P: 888-656-9493

Tech Cast LLC 713

640 S Cherry St
 Myerstown, PA 17067-1511
 United States
 www.techcastinc.com
 P: 717-866-9009

Tekna 2452

2935 Boul Industriel
 Sherbrooke, QC J1L 2T9
 Canada
 P: 819-820-7771

Tekna manufactures spherical Ti64 powders and spherical tantalum powders for medical additive manufacturing. These materials can be found in medical implants for example

TIGER-VAC USA INC 1126

73 SW 12th Ave Ste 107
 Dania, FL 33004-3523
 United States
 http://www.tiger-vac.com
 P: 954-925-3625

The technical advancement of 3D Direct Laser Sintering has allowed for the development of the most precise and complex prosthesis. As a key contributor to this frontier science titanium

offers a lightweight, low density metal that is also strong and durable. It is extremely sustainable, non-corrosive and is rarely rejected by the human body. However, in the manufacturing process, titanium powders can become extremely energetic and highly explosive. It requires careful handling and e

TRUMPF Inc 1237
3 Johnson Ave
Farmington, CT 06032-2842
United States
www.us.trumpf.com
P: 860-255-6000

Ultimaker 829
Watermolenweg 2
Geldermalsen 4191 PN
Netherlands
www.ultimaker.com
P: 31(34)5712017

Our portfolio of Medical Use cases:
[https://ultimaker.com/en/stories?filter\[category\]=314](https://ultimaker.com/en/stories?filter[category]=314)

VAC-U-MAX 818
69 William St
Belleville, NJ 07109-3040
United States
P: 973-759-4600

VAC-U-MAX designs and manufactures vacuum conveying systems that move powders and bulk materials to processes in a

contained dust-free processing environment. Systems include HEPA filtration, minimizing plant and personnel exposure to dusts.

Visser Precision 555
6275 E 39th Ave
Denver, CO 80207-1305
United States
www.visserprecision.com
P: 303-454-1650

Washington Mills Ceramics 943
165 King St
Sun Prairie, WI 53590-2919
United States
P:

Wipro Ltd 1047
Electronic City
Bangalore 560100
India
www.wipro.com
P: 91(803)0292929

Xiamen Raco Electronic Technology Co. Ltd. 523
Room 515-516 No 8 Gaodian Road
Xiamen, Fujian 361000
China
www.raco3d.com
P: 86(592)5685660

Exhibitors by Product Categories

3D Printers

- 3D Platform, 937
- 3D Systems, 911
- 3DEO, 2246
- Additive Industries, 1823
- Afinia 3D, 1926
- Agile Manufacturing Inc, 716
- Arcam AB, 2115
- BigRep America Inc, 1137
- Carbon, 1737
- Cimquest Inc, 811
- Concept Laser Inc, 1327
- DWS SRL, 729
- EOS of North America, 1413
- Essentium Materials LLC, 1313
- Fusion3, 1923
- Hangzhou Shining 3D Tech Co Ltd, 1212
- HP Inc, 2517
- Lithoz Gmbh, 843
- Makergear, 2347
- Markforged, 911
- Media Supply Inc, 608
- Methods Machine Tools Inc, 2637
- Miller 3D, 911
- OR Lasertechnology Inc, 537
- Photocentric3D, 1650
- Plural Additive Manufacturing, 2436
- Raise3d Inc., 929
- Rize Inc., 1010
- RP Sales America, Inc and UnionTech, Inc, 917
- Sodick, 2223
- Stratasys Inc, 1513
- TRUMPF Inc, 1237
- Ultimaker, 829
- Xiamen Raco Electronic Technology Co. Ltd., 523

3D Scanning/Imaging

- 3D Platform, 937
- 3D Systems, 911
- Afinia 3D, 1926
- Cimquest Inc, 811
- Direct Dimensions Inc, 2242
- Hangzhou Shining 3D Tech Co Ltd, 1212
- Kinetic Vision, 2255
- Miller 3D, 911
- North Star Imaging Inc, 1522
- Polyrix Inc, 1046

Additive Manufacturing Machines & Prototyping

- 3D Material Technologies, 1746
- 3D Platform, 937
- 3DEO, 2246
- Additive Industries, 1823
- Afinia 3D, 1926
- Agile Manufacturing Inc, 716
- Arburg Inc, 2147
- Arcam AB, 2115
- BigRep America Inc, 1137
- Carbon, 1737
- Concept Laser Inc, 1327
- DWS SRL, 729
- EOS of North America, 1413
- GE Additive, 2237
- Granta Design Ltd, 2440
- Hangzhou Shining 3D Tech Co Ltd, 1212
- HP Inc, 2517
- Lithoz Gmbh, 843
- Makergear, 2347
- OR Lasertechnology Inc, 537
- Photocentric3D, 1650
- Proto Labs Inc, 1416
- Protocam, 715

Rize Inc., 1010
RP Sales America, Inc and UnionTech, Inc, 917
SLM Solutions NA Inc, 1713
Sodick, 2223
Stratasys Inc, 1513
TRUMPF Inc, 1237
Ultimaker, 829
VAC-U-MAX, 818

Advanced Materials

Afinia 3D, 1926
BigRep America Inc, 1137
Carpenter Technology Corp, 915
CNPC Powder North America Inc, 714
Essentium Materials LLC, 1313
H C Starck Gmbh, 743
Makergear, 2347
NSL Analytical Services Inc, 2250
Perryman Company, 1355
STARDUST MATERIALS LLC, 947
Tekna, 2452

Biomaterials

Carpenter Technology Corp, 915
Lithoz Gmbh, 843
Perryman Company, 1355

Bone & Tissue Scaffolds

Lithoz Gmbh, 843

CAD/CAM

Autodesk Inc (Worldwide Headquarters), 1727
Granta Design Ltd, 2440
Machineworks Ltd, 1351
OR Lasertechnology Inc, 537

Castings

Tech Cast LLC, 713

Ceramics

Lithoz Gmbh, 843

CNC Machines

Perryman Company, 1355

Coatings

Essentium Materials LLC, 1313

Composites

Autodesk Inc (Worldwide Headquarters), 1727
Tekna, 2452

Computer-Aided Engineering

(CAE3DSIM, 942

Consultants

Added Scientific, 1450
EOS of North America, 1413
GKN Sinter Metals Engineering GmbH, 1837
NSL Analytical Services Inc, 2250
STARDUST MATERIALS LLC, 947
TCT Group, 2331

Dental

Carbon, 1737
H C Starck Gmbh, 743
Hangzhou Shining 3D Tech Co Ltd, 1212
Tekna, 2452

Design Engineering

Kinetic Vision, 2255
Machineworks Ltd, 1351
Protocam, 715

Design for Additive Manufacturing (DFAM)

Added Scientific, 1450
Autodesk Inc (Worldwide Headquarters), 1727
Baker Industries, 626
Machineworks Ltd, 1351
Protocam, 715
Sigma Labs Inc, 1026

Direct Digital Manufacturing

CIDEAS Inc, 1429
Rize Inc., 1010

Direct Metal Deposition

OR Lasertechnology Inc, 537
TRUMPF Inc, 1237

Education & Training Services

Added Scientific, 1450
AMUG, 1053

Electrical Discharge Machining

(EDM) Methods Machine Tools Inc, 2637
Sodick, 2223

Electron Beam Manufacturing (EBM)

Arcam AB, 2115
GE Additive, 2237

Engineering Services

3D Material Technologies, 1746
CIDEAS Inc, 1429
GE Additive, 2237
Kinetic Vision, 2255

Finishing & Coating

Clemco Industries Corp, 846

Finishing Technologies

Clemco Industries Corp, 846

Fused Deposition Modeling (FDM)

Agile Manufacturing Inc, 716
CIDEAS Inc, 1429
Essentium Materials LLC, 1313
Makergear, 2347
Markforged, 911
Raise3d Inc., 929
SICAM Corporation, 746
Stratasys Inc, 1513
Xiamen Raco Electronic Technology Co. Ltd., 523

Hybrid AM Machines

Sodick, 2223

Injection Molding Equipment

Arburg Inc, 2147

Inspection Systems & Equipment

Direct Dimensions Inc, 2242
North Star Imaging Inc, 1522

Laser Sintering (SLS)

3DEO, 2246
Agile Manufacturing Inc, 716

CIDEAS Inc, 1429
EOS of North America, 1413
Methods Machine Tools Inc, 2637
Proto Labs Inc, 1416
Protocam, 715
SICAM Corporation, 746

Lasers & Related Equipment

Concept Laser Inc, 1327
OR Lasertechnology Inc, 537
TRUMPF Inc, 1237

Machine Tools

Miller 3D, 911
Plural Additive Manufacturing, 2436

Manufacturing Services

3D Platform, 937
Hoganas Ab, 2342
Microtek Finishing, 1337
Smit Röntgen, 1250

Materials for Additive Manufacturing

3DSIM, 942
Additive Industries, 1823
Arcam AB, 2115
BigRep America Inc, 1137
Carbon, 1737
Carpenter Technology Corp, 915
CNPC Powder North America Inc, 714
Concept Laser Inc, 1327
DWS SRL, 729
EOS of North America, 1413
Essentium Materials LLC, 1313
GE Additive, 2237
GKN Sinter Metals Engineering GmbH, 1837
H C Starck GmbH, 743
Hoganas Ab, 2342
HP Inc, 2517
LPW Technology Inc, 1223
Perryman Company, 1355
Photocentric3D, 1650
Plural Additive Manufacturing, 2436
STARDUST MATERIALS LLC, 947
Stratasys Inc, 1513
Tekna, 2452

Materials Testing

Granta Design Ltd, 2440
Laboratory Testing Inc, 2343
LPW Technology Inc, 1223
NSL Analytical Services Inc, 2250
PES Testing, 712

Measurement, Inspection & Testing

Cimquest Inc, 811
Direct Dimensions Inc, 2242
GeoCorp Inc, 2252
Kinetic Vision, 2255
Laboratory Testing Inc, 2343
North Star Imaging Inc, 1522
Polyrix Inc, 1046
Sigma Labs Inc, 1026

Metal Laser Sintering

3D Systems, 911
3DSIM, 942
Additive Industries, 1823
GE Additive, 2237

GKN Sinter Metals Engineering GmbH, 1837
GPI Prototype & Manufacturing Services Inc, 2127
Miller 3D, 911
Proto Labs Inc, 1416
SLM Solutions NA Inc, 1713
Smit Röntgen, 1250
Sodick, 2223
TRUMPF Inc, 1237

Metals

3D Material Technologies, 1746
Additive Industries, 1823
Arcam AB, 2115
Carpenter Technology Corp, 915
CNPC Powder North America Inc, 714
GPI Prototype & Manufacturing Services Inc, 2127

H C Starck GmbH, 743
Hoganas Ab, 2342
LPW Technology Inc, 1223
NSL Analytical Services Inc, 2250
Perryman Company, 1355
SLM Solutions NA Inc, 1713
Smit Röntgen, 1250
Tekna, 2452

Metrology Equipment (see also Measurement, Inspection & Testing)

Direct Dimensions Inc, 2242
Hangzhou Shining 3D Tech Co Ltd, 1212
North Star Imaging Inc, 1522
Polyrix Inc, 1046

Moldmaking Services

Baker Industries, 626

Plastics and Polymers

3D Systems, 911
Carbon, 1737
HP Inc, 2517
STARDUST MATERIALS LLC, 947

Polymer Machines & Systems

Photocentric3D, 1650
Rize Inc., 1010

Post Processing

BigRep America Inc, 1137
HP Inc, 2517
Methods Machine Tools Inc, 2637

Process Design & Engineering

VAC-U-MAX, 818

Process Planning & Control

GeoCorp Inc, 2252
VAC-U-MAX, 818

Product & Process Design Management

Granta Design Ltd, 2440
VAC-U-MAX, 818

Prototype & Short Run Parts

3D Material Technologies, 1746
3DEO, 2246
Afinia 3D, 1926
DWS SRL, 729
GKN Sinter Metals Engineering GmbH, 1837
GPI Prototype & Manufacturing Services Inc, 2127

Hoganas Ab, 2342
Miller 3D, 911
Plural Additive Manufacturing, 2436
Rize Inc., 1010
SICAM Corporation, 746
Sigma Labs Inc, 1026

Prototyping & Engineering Services

3D Material Technologies, 1746
Baker Industries, 626
Cimquest Inc, 811
GKN Sinter Metals Engineering GmbH, 1837
GPI Prototype & Manufacturing Services Inc, 2127

Rapid Tooling

3DEO, 2246
Baker Industries, 626
GPI Prototype & Manufacturing Services Inc, 2127
Plural Additive Manufacturing, 2436
Proto Labs Inc, 1416
RP Sales America, Inc and UnionTech, Inc, 917
SICAM Corporation, 746
Stratasys Inc, 1513

Research & Development

3DSIM, 942
Added Scientific, 1450
LPW Technology Inc, 1223
NSL Analytical Services Inc, 2250
PES Testing, 712
STARDUST MATERIALS LLC, 947

Reverse Engineering

Baker Industries, 626
Cimquest Inc, 811
Direct Dimensions Inc, 2242
Kinetic Vision, 2255
North Star Imaging Inc, 1522

Safety & Environmental Products

TIGER-VAC USA INC, 1126

Software

3DSIM, 942
Added Scientific, 1450
Autodesk Inc (Worldwide Headquarters), 1727
Concept Laser Inc, 1327
Granta Design Ltd, 2440
LINK3D, 847
LPW Technology Inc, 1223
Machineworks Ltd, 1351
Makergear, 2347
Markany Inc, 748
Materialise, 1613
Media Supply Inc, 608
Raise3d Inc., 929
Sigma Labs Inc, 1026

Solid Modeling

Autodesk Inc (Worldwide Headquarters), 1727
Machineworks Ltd, 1351

Stereolithography

Agile Manufacturing Inc, 716
CIDEAS Inc, 1429
DWS SRL, 729
Methods Machine Tools Inc, 2637
Photocentric3D, 1650
Proto Labs Inc, 1416
Protocam, 715
RP Sales America, Inc and UnionTech, Inc, 917
SICAM Corporation, 746

Vacuum Systems

Ruwac, 1655
TIGER-VAC USA INC, 1126
VAC-U-MAX, 818

Virtual Reality

RP Sales America, Inc and UnionTech, Inc, 917

Mark your calendar for 2018!

April 23-26, 2018
Fort Worth (TX) Convention Center



www.rapid3devent.com/mmi