

12.18.14 -- Top 10 Of 2014

MED Device Online NEWSLETTER TOP 10 of 2014

Welcome to Med Device Online's first-ever Top 10 newsletter — a look back at the most popular articles, trends, and technologies of 2014. Scroll down to revisit the year's top news headlines, including tales of mega-mergers, court battles, and tax inversion. Visit Industry Perspectives to see which expert opinions you and your peers found most compelling. Learn new strategies and techniques from the most-clicked Feature Articles and Resources. And among the Products & Services, you may just find the right supplier for your current (or next) project.

Thanks to you, our readers, for making this newsletter possible. We look forward to providing you with even more useful information in 2015. (Email us (http://www.meddeviceonline.com/Feedback?address=editor%40meddeviceonline.com&referrer=http%3A%2F%2Fwww.meddeviceonline.com%2Fdoc%2Fmed-device-online-top-10-of-2014-0001%3Futm_content%3Dbufferff54d%26utm_medium%3Dsocial%26utm_source%3Dtwitter.com%26utm_campaign%3Dbuffer) about what you would like to see us cover.) Until then, the team at Med Device Online wishes a very happy holiday season and a prosperous new year!

Top 10 "From The Editor" Columns

1. **6 Technology Trends You Can't Afford To Ignore (In Your Medical Device Design)**
(<http://www.meddeviceonline.com/nl/1791567/20>)
2. **Reverse Engineering A Human Heart Valve** (<http://www.meddeviceonline.com/nl/1791568/20>)
3. **The Toxic Killers Of Innovation — And 3 Simple Rules For Avoiding Them**
(<http://www.meddeviceonline.com/nl/1791569/20>)
4. **Could Your Next Device Be Exempt From FDA Premarket Requirements?**
(<http://www.meddeviceonline.com/nl/1791570/20>)
5. **3D Printing In Medicine: 4 Questions That Need To Be Answered**
(<http://www.meddeviceonline.com/nl/1791571/20>)
6. **State Of Innovation: The Next U.S. Medtech Hotspot**
(<http://www.meddeviceonline.com/nl/1791572/20>)
7. **Cutting Through The Remote Patient Monitoring Hype**
(<http://www.meddeviceonline.com/nl/1791573/20>)
8. **7 Unconventional Ways To Fund A Medtech Startup**
(<http://www.meddeviceonline.com/nl/1791574/20>)
9. **5 Big Trends Affecting Polymer Material And Process Selection For Medical Devices**
(<http://www.meddeviceonline.com/nl/1791575/20>)
10. **Window Through The Skin: The Development Of A Pocket-Sized Imaging Device**
(<http://www.meddeviceonline.com/nl/1791576/20>)

Top 10 Featured Articles

1. **The 10 Commandments Of Product Development**
(<http://www.meddeviceonline.com/nl/1791577/20>)
By Eric Claude, MPR Associates, Inc.
2. **10 Points For Successfully Addressing Warning Letters**
(<http://www.meddeviceonline.com/nl/1791578/20>)
By Maria Fagan, Regulatory & Quality Solutions LLC
3. **Transformation Of The U.S. Medical Device Supply Chain**

(<http://www.meddeviceonline.com/nl/1791579/20>)

By Exel

4. 9 Things To Consider Before Choosing A Supplier For Medical Device Applications

(<http://www.meddeviceonline.com/nl/1791580/20>)

By Luis Tissone, Trelleborg Sealing Solutions

5. Medical Device Measurement Accuracy: The Good, The Bad And The Ugly

(<http://www.meddeviceonline.com/nl/1791581/20>)

By Jim Tennerman, Vaisala Oyj

6. How The Internet Of Things Is Revolutionizing Healthcare

(<http://www.meddeviceonline.com/nl/1791582/20>)

By David Niewolny, Freescale Semiconductor

7. Choosing The Right Resin For Your Design— A Reference Guide

(<http://www.meddeviceonline.com/nl/1791583/20>)

By Proto Labs, Inc.

8. An Introduction To Ultrasonic Welds For Medical Devices

(<http://www.meddeviceonline.com/nl/1791584/20>)

By Proven Process Medical Devices, Inc.

9. Precision Prototyping: The Role Of 3D Printed Molds In The Injection Molding Industry

(<http://www.meddeviceonline.com/nl/1791585/20>)

By Stratasys, Inc.

10. Six Trends In Robotics In The Life Sciences (<http://www.meddeviceonline.com/nl/1791586/20>)

By Parker Hannifin

Top 10 Industry Perspectives

1. What To Expect From The Upcoming ISO 13485 Revisions

(<http://www.meddeviceonline.com/nl/1791587/20>)

By Marcelo Trevino, Medtronic, Inc.

2. 3 Rules For Designing Medical Device Tests (<http://www.meddeviceonline.com/nl/1791588/20>)

By Lynessa Erler, MPR Associates, Inc.

3. Understanding The UDI Rule: A Guide For Medical Device Manufacturers

(<http://www.meddeviceonline.com/nl/1791589/20>)

By Dan O'Leary, Ombu Enterprises

4. 4 Reasons Why Device Makers Should Pay Close Attention To India

(<http://www.meddeviceonline.com/nl/1791590/20>)

By Gunjan Bagla and Rajnish Rohatgi, Amritt Inc.

5. Is Your Boring Regulatory Strategy Costing You Business?

(<http://www.meddeviceonline.com/nl/1791591/20>)

By Michael Druess, Vascular Sciences

6. 5 Things You Need To Know About The Point Of Care Technology Market

(<http://www.meddeviceonline.com/nl/1791592/20>)

By Milos Todorovic, Lux Research Inc.

7. A Human Factors Engineering Primer For Medical Device Development

(<http://www.meddeviceonline.com/nl/1791593/20>)

By Andy Schaudt, National Center for Human Factors in Healthcare at the MedStar Institute for Innovation

8. Medical Device Tax Is Cutting Jobs, R&D, And U.S. Investment

(<http://www.meddeviceonline.com/nl/1791594/20>)

By Steve Ubl, AdvaMed

9. Responsible Disclosure: 8 Security Mistakes You Don't Know You're Making

(<http://www.meddeviceonline.com/nl/1791595/20>)

By Stephanie Preston, Battelle

10. U.S. Orthopedic Trauma Device Market To Exceed \$8 Billion By 2020

(<http://www.meddeviceonline.com/nl/1791596/20>)

By Dr. Kamran Zamanian and Dylan Freeze, iData Research Inc.

Top 10 Resources

1. Cleaning Validation For Medical Device Manufacturing

(<http://www.meddeviceonline.com/nl/1791607/20>)

By Alconox, Inc.

2. 11 Tips For Outsourcing Disposable Medical Devices

(<http://www.meddeviceonline.com/nl/1791608/20>)

By ATL (Ad Tape & Label)

3. Molding Flexibility With Liquid Silicone Rubber (<http://www.meddeviceonline.com/nl/1791609/20>)

By Proto Labs, Inc.

4. Short-Run Injection Molding For Medical Devices

(<http://www.meddeviceonline.com/nl/1791610/20>)

By PTI Engineered Plastics, Inc.

5. Video: Piezo Electronic Drives For Medical Design
(<http://www.meddeviceonline.com/nl/1791611/20>)

By PI (Physik Instrumente) LP

6. Datasheet: Thermal Research Camera (<http://www.meddeviceonline.com/nl/1791612/20>)

By FLIR Systems, Inc.

7. Datasheet: Miniature Optical Encoders For Medical Positioning Devices

(<http://www.meddeviceonline.com/nl/1791613/20>)

By Canon USA, Inc.

8. Datasheet: Miniature Diaphragm Liquid Pumps (<http://www.meddeviceonline.com/nl/1791614/20>)

By Parker Hannifin

9. Connectors Take On A New Life (<http://www.meddeviceonline.com/nl/1791615/20>)

By CPC

10. The Flip Book Of Heating Element Designs In Medical Devices
(<http://www.meddeviceonline.com/nl/1791616/20>)

By Heatron, Inc.

Top 10 News Stories

1. J&J Exploring Sale Of Medical Device Unit (<http://www.meddeviceonline.com/nl/1791597/20>)

2. J&J Slapped With Injunction In Covidien Patent Case

(<http://www.meddeviceonline.com/nl/1791598/20>)

3. Abbott Cuts Jobs At California Facility (<http://www.meddeviceonline.com/nl/1791599/20>)

4. Boston Scientific Bombarded With Trial Losses Over Transvaginal Mesh

(<http://www.meddeviceonline.com/nl/1791600/20>)

5. Google Heads \$542 Million Investment In Device Startup

(<http://www.meddeviceonline.com/nl/1791601/20>)

6. GE To Pay \$1.1B For Thermo Fisher Businesses

(<http://www.meddeviceonline.com/nl/1792509/20>)

7. Woman Receives 3D Printed Full Skull Implant (<http://www.meddeviceonline.com/nl/1791603/20>)

8. Philips Loses Patent Litigation, Fined \$466M (<http://www.meddeviceonline.com/nl/1791604/20>)

9. Medtronic To Acquire Covidien For \$42.9B (<http://www.meddeviceonline.com/nl/1791605/20>)

10. Will Medtech Companies Kiss Irish Tax Inversions Goodbye?

(<http://www.meddeviceonline.com/nl/1791606/20>)

Top 10 Products And Services

1. Precision Aspirate And Dispense Syringe Pump (<http://www.meddeviceonline.com/nl/1791617/20>)

Parker Hannifin

2. Direct Metal Laser Sintering For Additive Manufacturing
(<http://www.meddeviceonline.com/nl/1791618/20>)

Proto Labs, Inc.

3. 6-Axis Miniature Hexapod (<http://www.meddeviceonline.com/nl/1791619/20>)

PI (Physik Instrumente) LP

4. Sensors Help To Optimize Medical Care (<http://www.meddeviceonline.com/nl/1791620/20>)

First Sensor AG

5. Medical Device Surface Treatment (<http://www.meddeviceonline.com/nl/1791621/20>)

Carlo Technical Plastics

6. Scientific Camera For Medical Imaging Applications
(<http://www.meddeviceonline.com/nl/1791622/20>)

Raptor Photonics Limited

7. Lasers For Medical Applications (<http://www.meddeviceonline.com/nl/1791623/20>)

Modulight, Inc.

8. 3D Optical Surface Profiler (<http://www.meddeviceonline.com/nl/1791624/20>)

Zygo Corporation

9. Production Prototyping (<http://www.meddeviceonline.com/nl/1791625/20>)

PTI Engineered Plastics, Inc.

10. Critical-Cleaning Liquid Detergent (<http://www.meddeviceonline.com/nl/1791626/20>)

Alconox, Inc.

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