

Medical Edge

THE LATEST INFORMATION ON MEDICAL ENGINEERING

BROUGHT TO YOU BY:



This week's Medical Edge covers data management systems, a guide to outsourcing, and tubing connections.



If you're going to the MD&M West show next week, look for me. I'll be walking up and down the aisles, so stop me and say hello.

Thanks for reading,

Vicki Burt

Senior Editor

vicki.burt@penton.com

[Vicki's blog](#)

Articles

Turning data into knowledge

Whether your company runs PLM, ERP, or QMS, these data management systems have been improved to handle a wider variety of tasks required by regulations, and then some.

[Click to read the article](#)

Advertisement



10 questions to ask before outsourcing

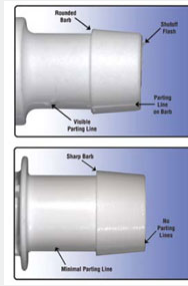
Hiring temporary resources for any function is now a common practice throughout the United States. From entry level unskilled labor to virtual executives, companies are fitting temporary resources into positions once exclusive to full-time employees. The factory-automation industry is now embracing this business strategy.

[Click to read the article](#)

Making reliable, clean connections

Without a proper match between tubes and fittings, connections can be pulled off by vibration or tension, blown off from a pressure spike, or leak just enough to cause problems. Finding the proper connection is essential for a safe and secure system for everything from oxygen to viscous substances such as blood and medicines.

[Read the rest](#)



New Products

Photo-etched board level EMI shielding

Tech-Etch offers standard and custom board-level shielding manufactured using photo-chemical etching. The process supports intricate geometries without expensive tooling. Heat dissipating through holes, logos, and nomenclature can be incorporated with no additional charges. For easy rework and component access, two-piece designs with removable covers are produced using standard form tools. The standard two-piece design incorporates a spring-finger style attachment between fence and cover. This design can be customized to almost any possible configuration, including rectangular, 'L' shaped, 'V' shaped, or even irregular shapes. Standard board level shielding is typically etched from 0.007 to 0.020-in. brass, with tin plating. Visit Tech-Etch at Booth 1383 at the MD&M West show.

[Find out more](#)

Mini screwrail for auto sampling and dispensing

The Mini ScrewRail from **Kerk Motion Products** includes a precision-rolled lead screw, supported by sealed bearings and contained within a concentric steel guide rail, driving an integrated nut/bushing.

[Find out more](#)



Low-power microcontroller for portable equipment

A system-on-chip microcontroller unit from **Texas Instruments** provides a complete signal chain for handheld medical applications. The MSP430FG4270's 16-bit RISC architecture improves performance and extends battery life.

[Find out more](#)

Industry Update

The EuP Directive — how will it affect you?

The EcoDesign Requirements for Energy Using Products (EuP) Directive became law in EU member states in August 2007. A new webcast shows how to act now to prepare for compliance.

[Read the rest](#)

Microchip Technology named one of America's best companies

Forbes magazine names the microcontroller manufacturer to their annual list of 400 best big companies

[Read the rest](#)

Sustainable design with plastics

Join Sabic Innovative Plastics for an online seminar on how to design durable products with recyclable and biobased materials.

[Read the rest](#)

Featured Links

Boker's 2008 Washer Catalog

Boker's, Inc.'s FREE 2008 Washer Catalog has over 22,000 non-standard sizes available with no tooling charges. A wide range of ODs, IDs and thicknesses, plus 2,000 material variations provide millions of possibilities.

www.bokers.com

News from Medical Design

UPCOMING WEBCASTS

Power Transmission Technologies: The Advantages and Applications of Belt Drive Solutions

Sponsored by Gates Corporation

DATE: February 19th, 2008

TIME: 2:00pm ET

Today's designers choose from a variety of technologies for transmitting power in mechanical systems. With increasing demands to optimize systems for efficiency, noise, package size and low maintenance, choosing the right power transmission technology for the job is a challenge. Brent Oman with Gates Corporation will share his knowledge about selecting power transmission solutions. The presentation will review the pros and cons of different technologies and demonstrate the various capabilities of belt drive systems in particular.

[Click here to register!](#)

Whitepapers anytime you want them

Medical Design has a whitepaper section on the Web site. Find out how one company made the transition to lean, read a report about the relationship between FDA and industry, and how to choose the right international electrical equipment.

[Read the whitepapers](#)

Don't miss out on industry events

Visit *Medical Design's* [events page](#) for the latest shows, seminars, and conferences.

Missed a recent edition of Medical Edge?

Visit our newsletter archive to catch up on previous issues of the Medical Edge newsletter.

[Read newsletter archives](#)



Subscribe to our RSS feed

[Medical Design headlines](#)