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A Medical Device Coating That Bonds at an Atomic Level

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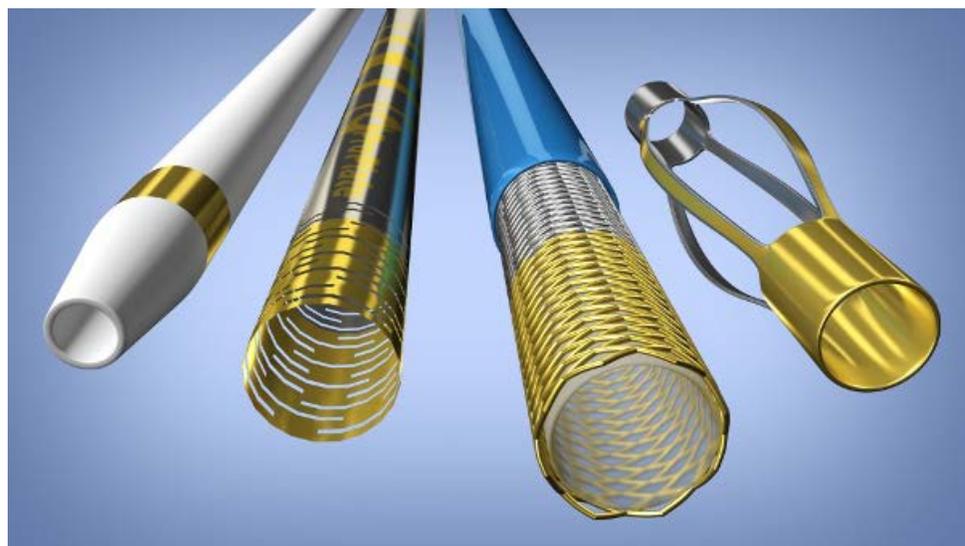


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A Medical Device Coating That Bonds at an Atomic Level

ProPlate (Anoka, MN)

Booth 100

Qmed: Describe an innovation your company developed from 2014 to present and its potential application in medical devices.

ProPlate: Vizi-Band is a radiopaque marker coating innovation that was made available to market in late 2014. It is a proprietary coating process that atomically bonds a metal directly to a catheter, guide wire, stent, or similar component, with the ability to be applied selectively anywhere along the medical device.

Qmed: How does the innovation work?

ProPlate: The highly radiopaque and biocompatible metal coating is applied to any area of the desired medical component, with endless options for customization depending on the application and intended use. Vizi-Band is a replacement for traditional marker bands with potential performance and cost advantages.

Qmed: What distinguishes your product or service from those of competitors and what makes it unique in the market?

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ProPlate: Traditional radiopaque markers are not coated to the device itself; instead they are either infused into the catheter jacket (metal-filled polymers) or crimped on to the device (machined bands). These products have known risks: long-term storage degradation of the metal-filled plastic and dislodgement of the swaged crimped on markers. With Vizi-Band these risks are eliminated due to the radiopaque coating being bonded at an atomic level, and it does not degrade over time.

Qmed: How does your innovation benefit medical device OEMs?

ProPlate: There is a process reduction with the use of Vizi-Band coating technology that can create cost savings in both labor and materials. Whereas traditional machined marker bands are laboriously crimped or swaged onto catheters, Vizi-Band markers are coated directly to the medical device and can be accomplished in large volumes simultaneously for maximum efficiency. Where radiopacity requirements are lower, Vizi-Band markers can be applied thinner than traditional marker bands are machined, which will impart a performance advantage of a lower profile while reducing material costs. Additionally the risk of dislodgement is eliminated because Vizi-Band is bonded at an atomic level.

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