The Tinker's Toolbox - CEI Launches New Power Division

Hosted by ECN's Editorial Director, Alix Paultre, the Tinker's Toolbox is ECN's web-based interview show where we talk about the latest technology, components, and design issues for the electronic design engineering community.

In this episode we talk to Robert Van Horn, Michael Schulte, and Jonathan Dokuchitz of Custom Electronics Inc. (CEI) about their launch of a new power division to address advanced power distribution applications.

Jonathan Dokuchitz

Michael Schulte

The new Power Systems Division builds on the advances of the company’s previous bus bar unit, shifting focus to a broader range of components reflecting the current market need for efficient, high-performance power management.

Right-click to download the podcast [1]

Here's another link to the podcast: CEI Interview [1]

Here is the press release on the new division:

Custom Electronics, Inc. (CEI), a leading designer and manufacturer of high-reliability electronics products, today unveiled its Power Systems Division, which builds on the advances of the company's previous bus bar unit. The shift from a singular bus bar focus to a broader range of components reflects the current market need for efficient, high-performance power management. CEI's Power Systems Division will manufacture insulated bus bars, bus bar assemblies and integrated energy solutions, providing a complete, tested and certified power module for customers in numerous industries.

Insulated bus bars are a recognized, key component in improving system performance and integrity. That market reality is at the core of CEI's Power Systems Division, which will serve military, industrial, utilities, electric vehicle and heavy equipment manufacturers seeking higher performance with greater ease of assembly and lower cost. Additionally, CEI now offers two types of high dielectric strength powder coating application methods: fluidized bed and electro static spray.

In addition, CEI announces the addition of Robert Van Horn as president of the Power Systems Division. Robert is responsible for expanding the development of new technologies and the division's capabilities in this emerging market. He brings to CEI a deep technical background in electro/mechanical components and assemblies in the power electronics field. He has 20 years of experience working in related markets, substantially growing numerous products at companies, including Methode Electronics Inc., Eldre Corporation and Storm Copper Components Co.

There is a growing worldwide demand for power systems that solve the electrical, thermal and mechanical challenges engineers face. Energy efficiency is paramount today, and this technology addresses these issues. This division will help the market and CEI further address those needs with high-quality products, rapid response and competitive pricing, along with solid design support, manufacturing experience and impeccable customer service.

CEI continues to work with clients to design high-performance capacitors that bring ease of assembly and cost advantages to industrial motor drives, conventional and renewable energy generation, power conditioning, distribution and conversion, as well as additional applications in military and aerospace systems. Among the expanded capabilities offered by the Power Systems Division are:

- High dielectric strength powder coating
- Multilayer laminations using Mylar, Teonex, Nomex or Kapton
- Large-scale epoxy vacuum molding

- SolidWorks solid 3D modeling
- Electrical and environmental testing

The CEI Power Systems Division creates integrated systems that improve electrical performance and reduce stresses on expensive components. With improved system reliability and increased density, CEI bus bars, bus bar assemblies and integrated components reduce assembly time and decrease overall lifecycle support costs.

About Custom Electronics, Inc.

Custom Electronics, Inc. (CEI) designs and manufactures high-quality, high-reliability electronics products. Since 1964, the company has addressed the global needs of the military, commercial/industrial, renewable energy, aerospace and oil exploration markets. CEI's industry-leading solutions include mica paper and specialty film capacitors; electronic modules, specializing in high-voltage assembly and encapsulation; and bus bar products. CEI is headquartered in Oneonta, N.Y. For more information, visit www.customelec.com [2] or call 877-735-9234.

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