



For Immediate Release

Press Release

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IDE Inc. is Instrumental in the Design of Micro Fuel Cell Powered Intermec IP3-FC/750 Scotts Valley, CA (Dec. 1, 2004) -

Fuel cells have long been touted as a far better power source for portable electronic devices than batteries. Finally, that has become reality. Product Design firm IDE Incorporated played an instrumental roll in the design and development of the Intemec IP3-FC/750 RFID, a radio-frequency identification tag reader that is the world's first handheld commercial product powered by a micro fuel cell. The IP3-FC/750, recently announced by Intermec Technologies Corporation, which develops inventory systems for the likes of Wal-Mart, is powered by MTI Micro Fuel Cell's breakthrough Mobion™ methanol fuel cell technology. The IP3-FC/750 incorporates a replaceable fuel cartridge system conceived of, and designed by IDE Incorporated under contract to MTI Micro Fuel Cells.

Batteries are heavy and expensive, and they can expire without warning, requiring immediate replacement (creating a disposal problem) or recharging (consuming valuable time). Fuel cells produce greater power-to-volume ratio, last exponentially longer, and can be replenished instantly, simply by adding more fuel. However, until the introduction of the IP3-FC/750, no one has been able to effectively miniaturize them in a commercially available product.

Based on IDE's extensive experience in the design and development of handheld electronic devices, IDE was retained by MTI Micro to study the inherent issues associated with methanol fuel replenishment. MTI Micro subsequently expanded IDE's role to include the design of the fuel cell cartridge system, fuel cell industrial design and mechanical integration into the Intermec IP3-FC/750.

In November 2004, MTI Micro's Mobion Fuel Cell Technology, used in the Intermec IP3-FC/750, received the "Best Of What's New" Grand Award in the General Innovations category, which is given by Popular Science magazine in recognition of products that represent a significant advancement over existing technologies. <http://www.popsci.com/popsci/bown/2004/generalinnovation/article/0,22221,768314,00.html>

About IDE Incorporated

IDE Inc. is a Scotts Valley, California product design firm providing multi-disciplined product design services to technology-based companies throughout the world. IDE clientele include many of the world's most successful and innovative companies. Visit IDE's web site at www.ideinc.com.

About MTI Micro

MTI Micro Fuel Cells Inc., a subsidiary of Mechanical Technology Inc. develops and manufactures advanced cord-free rechargeable power pack technology for portable electronics. Visit MTI Micro's website at www.mtimicrofuelcells.com.

About Intermec

Intremec Technologies Corporation is the inventor of the world's most widely used barcode symbology. Intermec provides supply chain information products, services and systems to companies around the world. Visit Intermecs website at www.intermec.com.
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