



## PRESS RELEASE

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### **Zytronic's Projected Capacitive Technology (PCT™) has integral role in innovative gaming hardware**



The accompanying images can be downloaded by clicking [here](#)

*ZYBRID® touch sensors bring high performance touch functionality to i-Table, while ensuring prolonged operation*

Zytronic has won another major gaming industry endorsement for its touch sensor products thanks to its proprietary Projected Capacitive Technology (PCTi ). A 10.4 inch version of the popular ZYBRID® customisable touch sensor is being employed by international gaming machine manufacturer [Shuffle Master](#) to enhance the user interfaces of its latest electronic card table offering, the i-Table .

Utilising six, networked touch-enabled player displays, plus an additional dealer station, embedded in a full size gaming table, the i-Table combines a feature-rich, highly efficient and intuitive electronic betting interface with the human interaction of a live dealer. It can quickly switch between a selection of different card games; with Blackjack, Baccarat, Three Card Poker and Ultimate Texas Hold'em all being supported.

Automation of the betting process via the touch interface permits marked improvements in game security, accuracy and speed. This results in an estimated 30% increase in the number of rounds played per hour, allowing a considerable boost in turnover. It also means that less dealer training and fewer staff are required, as well as removing the possibility of dealing errors, chip theft, dealer/player collusion, or card manipulation.

The PCT sensing structure that forms the basis of [ZYBRID](#) is made up of an intricate matrix of capacitor elements that are just 10µm in thickness. These are embedded inside a laminated substrate then placed behind a protective overlay. As the capacitor matrix is not in contact with the external environment, it remains impervious to the sources of damage that often affect alternative touchscreen technologies, built on traditional front-facing sensor mechanisms. Impact, abrasion, dirt build up, harsh chemicals, exposure to the elements, liquid spillages, or various other types of wear and tear which often stifle the continued operation of resistive or surface capacitive touchscreens do not pose a threat to PCT. These features mean that it is highly optimised for table applications such as the i-Table. Furthermore, the custom touch sensor developed with Shuffle Master has a rear printed border to help blend the screens into the table top, and the edge-to-edge glass design eliminates unsightly bezels required by many other touch technologies.

The i-Table is already successfully in use in gaming venues across North America, including Las Vegas, San Diego, and Delaware.

The running of a gaming operation is becoming increasingly challenging, with management needing to meet players' demands for a greater array of game options, while at the same time improving productivity and security levels, states Nathan Wadds, Senior Vice President of Research & Development at Shuffle Master. The i-Table has the look and feel of the live tables that customers prefer without the heavy operating costs or risks of theft and cheating associated with them. For this product to be successful, however, the integrity and longevity of the touchscreen areas' functionality had to be assured. We tested a variety of solutions from different suppliers, but these could not adequately deal with our concerns about durability. Zytronic's PCT touch sensing system stood out as the best way to guarantee touch performance and avoid downtime. The customisable nature of PCT also provided us with the ability to create an attractive, near seamless playing surface.

Ian Crosby, Zytronic's Sales and Marketing Director comments: Reliability in a demanding, high use public environment, design flexibility and responsiveness were important considerations for Shuffle Master when specifying the touchscreen for iTable. By integrating custom designed ZYBRID sensors into the playing surface, players benefit from a more compelling gaming experience, and proprietors have the potential to generate greater revenue from each table, as the proven durability of the touch interface minimises the risk of costly downtime and repairs.

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### **About Zytronic**

Zytronic designs and manufactures a range of technologies that optimise the performance of electronic display applications. The company's principle products include award-winning touch sensor technologies, optical filters for enhanced performance and protection, and special filters to minimise electromagnetic emissions. In addition, the company can offer complex shaped glass composites for specialised applications. Zytronic products are used in electronic displays for information kiosks, web phones, ATMs and gaming machines, as well as by military, computer, telecommunications, medical and lighting OEMs, and are available from its network of worldwide distributors. The company has its headquarters and state-of-the-art manufacturing facilities in Blaydon, Tyne & Wear in the UK. In addition to ISO-approved manufacturing, these facilities are home to Zytronic's team of lamination, material science and electronics specialists who are responsible for ongoing product development in composite technology.

For more company information, please visit Zytronic's web site at: [www.zytronic.co.uk](http://www.zytronic.co.uk)

### **About Shuffle Master, Inc**

Shuffle Master, Inc. is a gaming supply company specializing in providing its casino customers with improved profitability, productivity and security, as well as popular cutting-edge gaming entertainment content, through value-add products in four distinct categories: Utility Products which includes automatic card shufflers, roulette chip sorters and intelligent table system modules, Proprietary Table Games which includes live table games, side bets and progressives, Electronic Table Systems which include electronic multi-player table game platforms, and Electronic Gaming Machines which include traditional video slot machines for select markets. The Company is included in the S&P Smallcap 600 Index.

For more company information, please visit the company's web site at:

[www.shufflemaster.com](http://www.shufflemaster.com)

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