

## **Diamond<sub>x</sub> Well Positioned to Ride the TDDI Wave**

*Xcerra's flagship test platform brings flexibility and scalability to display driver test*

**Milpitas, California, September 2018:** Xcerra's highly flexible Diamond<sub>x</sub> test platform can scale up to over 5000 display driver digitizers, supporting aggressive multi-site production strategies. With a wide range of general purpose and specialized instruments, the Diamond<sub>x</sub> platform meets the current and future test requirements of display driver devices, as well as the complete spectrum of multimedia ICs.

Touch and display driver integration (TDDI) IC shipments continue to ramp, and are expected to hit the 500 million mark in 2018 (Digitimes, March 28, 2018:

<https://www.digitimes.com/news/a20180328PD214.html?mod=3&q=TDDI+500&chid=9> ).

Driven by bezel-less display technology popular in the latest high-end smartphone designs, TDDI chips are seeing mainstream adoption after an extended incubation period. TDDI chips offer clear benefits, such as lower cost, a thinner panel assembly, and better performance, over their discrete competitors. TDDI chips present significant challenges, however, for established display driver ATE solutions.

With the addition of the PD2x instrument, a specialized instrument designed to test leading edge display driver IC's, the Diamond<sub>x</sub> can help realize the full potential of TDDI. With a scalable universal slot architecture, Diamond<sub>x</sub> can scale up to over 5000 display driver digitizers, supporting aggressive multi-site production strategies. Furthermore, with the introduction of the HSI1x 12.8Gbps SerDes test instrument, the Diamond<sub>x</sub> has channel count and performance headroom to meet the future needs of the display driver digital interfaces.

Christopher Lemoine, Product Marketing Director, highlights: "Traditional display driver ATE systems are specialized systems designed to test the driver row/column drivers, power management, logic and memory functions found in display driver IC's. Adding touch

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controllers to these chips exposes gaps in the capabilities of existing display driver ATE, and the limited scalability of these solutions inhibits the cost benefits of TDDI. With a wide range of general purpose digital, analog, mixed-signal, wireless, and power instrumentation, the Diamond<sub>x</sub> is a well established leader in touch controller test. With the addition of the PD2x display driver digitizer instrument and the HSI1x 12.8Gbps SerDes test instrument, the Diamond<sub>x</sub> platform enables our customers to push the boundaries of performance, quality and cost-effectiveness of their TDDI products.”

To learn more about the Diamond<sub>x</sub> and its instruments, please visit

[www.xcerra.com/diamondx](http://www.xcerra.com/diamondx) .

## About Xcerra

Xcerra is comprised of two reporting segments; Semiconductor Test Solutions (STS) and Electronics Manufacturing Solutions (EMS). The STS segment supplies semiconductor testers, test handlers, device contactors and associated services. The EMS segment offers products and services for PCB and PCBA test as well as innovative and highly reliable interconnect components for electronic manufacturing. The combination of these businesses creates a Company with a broad spectrum of semiconductor and PCB test expertise that drive innovative new products and services, and the ability to deliver to customers fully integrated semiconductor test cell solutions. The Company’s products and services address the broad and divergent requirements of the mobility, automotive, industrial and consumer end markets, offering a comprehensive portfolio of solutions and technologies, and a global network of strategically deployed applications and support resources. Additional information can be found at [www.xcerra.com](http://www.xcerra.com).

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