

Siborg Systems Inc Announces Release of a New model of Smart Tweezers LCR-meter: ST-5S

Siborg Systems Inc. will soon be offering Smart Tweezers ST-5S. The new model is using the same form factor as previously released LCR-Reader but offers the same functionality as Smart Tweezers ST-5.

Waterloo, Ontario ([PRWEB](#)) March 31, 2014 -- Canadian Siborg Systems Inc. is about to release a new model of the worldly recognized [Smart Tweezers, the ST-5S](#). The new model offers the same functionality as the popular ST-5 model, but features a new, lighter and smaller design at only 1 oz. weight. This new model resembles Siborg's [LCR-Reader](#), but has all the features and performance of the ST-5. The new model will be available in April-May 2014.

[Smart Tweezers](#) are a known alternative to testing and troubleshooting Surface Mount Technology (SMT). The unique combination of a set of tweezers as the probes and a handheld LCR-meter has been a proven successful design since the beginning of Smart Tweezers. This design allows the tweezers to easily grasp all types of Surface Mount Devices (SMD) to a 0201 size on even the most crowded PCB without needing to desolder the components. When a component is in contact with the tweezers, Smart Tweezers automatically determines the type of component and chooses the best test range and frequency for the highest accuracy results for L, C or R while also measuring for ESR or Z values. This is especially suitable for components that have no distinguishing marks or characteristics. Without the need to set up between evaluations, Smart Tweezers makes work easier and more efficient, and leaves the other hand free for taking notes or other tasks.

Like the popular ST-5 model, the ST-5S provides users with:

- Fully automatic Inductance, Resistance and Capacitance values
- Equivalent Series Resistance measurements
- Basic accuracy of 0.2%
- Adjustable test signals of 0.25, 0.5, 1.0 Vrms
- Component sorting with 1%, 5%, 10%, and 20% tolerance
- Continuity and diode testing
- Displays active and reactive impedance components
- Parasitic offset capabilities
- Ideal for small components, as small as 0201 size (0.3 mm)
- Li-Ion battery, USB charging
- New 1 oz. weight and ergonomic design.

“[Smart Tweezers](#) have a main advantage of high accuracy evaluations of SMT components as small as 0.3mm, with instantaneous results,” says Michael Obrecht, the Director of Research and Development at Siborg, “The 0.2% basic accuracy is only available on expensive bench-type LCR-meters that require significant effort in setting-up the measurements.”

When evaluating, Smart Tweezers automatically displays the test results, the test parameters, secondary impedance values, and type of component on the new OLED display. The display and the size are the most obvious changes to the ST-5S. The new model boasts a smaller, lighter size, akin to the LCR-Reader, with a 1 oz. weight. A one button navigation allows the user to easily access the same menus as functions available on the ST-5 model.



[Smart Tweezers](#) were designed for production line component evaluations, on-board impedance testing and SMD component sorting. Smart Tweezers makes all work involving Surface Mount Technology more efficient and cost effective. They are easily recognizable, and though many copy-cat models have surfaced, Smart Tweezers offers the highest accuracy. Smart Tweezers are used by many major high-tech companies worldwide, for all jobs from manufacturing to maintenance and repair.

About Siborg Systems Inc.

Established in 1994, Siborg Systems Inc. is a source of engineering software and hardware tools for semiconductor and electronics industry. Located in the city of Waterloo, Ontario, Canada, it enjoys being a part of the local world-renowned high-tech community.

For more information:

Siborg Systems Inc.
24 Combermere Cres.
Waterloo, Ontario
Canada
N2L 5B1

Tel: 519-888-9906

Fax: 519-725-9522

Web: <http://www.siborg.com/smarttweezers>



Contact Information

Michael Obrecht

Siborg Systems Inc

<http://www.siborg.com>

+1 (519) 888-9906

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