

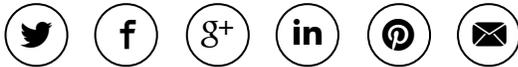


Friday, October 14, 2016



# Siborg Systems Inc. Establishes a New Manufacturer of LCR-Reader Parts in Taiwan

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Looking for a more efficient and reliable manufacturing partner, Canadian Siborg Systems Inc. enlists Taiwan based Injohnson Precision Industrial Co., Ltd. on production of LCR-Reader parts and accessories. LCR-Reader is a new generation of LCR-meters.

**TAIPEI, TAIWAN (PRWEB) MAY 31, 2015**

**Smart Tweezers LCR-meter** family is a world renowned digital multimeter that offers an efficient way of trouble-shooting and testing of Printed Circuit Boards made with Surface Mount Devices. Surface Mount Technology (SMT) is the primary method for electronic manufacturing where the components, Surface Mount Devices, are mounted directly onto Printed Circuit Boards (PCBs) unlike through-hole components with leads that were used previously.

SMT components are generally too small to be labelled and therefore it is easy to lose track of parts. Smart Tweezers give an easy solution to this problem; they are able to be used with only one hand to quickly evaluate SMT components, such as Capacitances, Resistors, and Inductances. They are a recognized professional quality LCR-meter that determines the type of component and the proper range and signal frequency for the highest accuracy measurement. Other functionalities of Smart Tweezers are: component sorting, diode/continuity test, semi-automatic offset removal, ability to change test signal amplitude useful for testing components on PCB and more realistic values for some ceramic capacitors.

The simpler LCR-Reader does not offer some seldom used functionalities of Smart Tweezers ST-5S but does offer L-C-R as well as ESR (Equivalent Series Resistance) measurement that is very important for electrolytic capacitors. In some equipment such as e.g. power supply, with PCB populated with elements, not all of them in use, no documentation available, the only alternative is plug in replacement, time consuming and tedious procedure. Since it is known that for electrolytic capacitors ESR is an issue, it is a good idea to just test them first. It is not even needed to be a precise measurement, because when electrolytic capacitor dries-up, its ESR goes from a mOhm range all the way to KOhms. This allows to make quick and easy repairs. Sometimes it just gives a better insight. It works well with any size, down to smallest parts in new smart phones.

"Smart Tweezers offers the ability for quick and highly accurate evaluation of SMT components," says Michael Obrecht, R&D director at Siborg. "For model ST5-S the basic accuracy is about 0.2%. Our goal for a few years was to reduce the cost of manufacturing of the device. Recently we introduced LCR-Reader that is priced at half of the Smart Tweezers ST-5S price and we plan to further reduce the price with the help of Injohnson Precision Industrial."

Currently LCR-Reader and Smart Tweezers are available worldwide either from Siborg Systems directly in [USA](#), [Canada](#), [India](#), Russia and [China](#) or from Amazon in [USA](#), Canada, [United Kingdom](#), Germany, Spain, France and Italy.

Buy in your local currency directly from the manufacturer and save avoiding excessive shipping and customs charges.

Injohnson Precision Industrial Co., Ltd. professionally manufactures a wide range of metal products, precision (CNC) machining, plastic and rubber molded products as well as oil seal and packaging. They have over 35 years of professional experience, and are constantly devoting themselves to improve technology and create new innovative products. This is the basis of their success that has yielded present plans for a new factory and office in the People's Republic of China. With this factory, they can better and faster satisfy customer requirements.

Injohnson offers small and large orders, high quality, competitive prices, prompt delivery and good service. Their products can be custom-made and designed according to requested specifications.

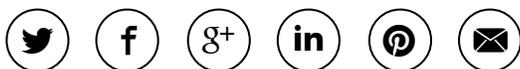
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About Siborg Systems Inc:  
Established in 1994, Siborg Systems Inc. is a source of engineering software and hardware tools for semiconductor and electronics industry. Located in the city of Waterloo, Ontario, Canada, it enjoys being part of the local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

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LCR-Reader Akin to Smart Tweezers LCR-meter

Very low and fixed parasitics, 0.5 pF and 0.03 Ohms, allow LCR-Reader to measure very low value components, well into pF, microH and mOhmh range

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LCR-Reader akin to Smart Tweezers LCR-meter with labels



LCR-Reader vs Smart Tweezers ST3, ST5 and ST5L  
Feature Comparison of LCR-Reader and Previous Smart Tweezers Models



Smart Tweezers ST-5S Specs  
Features and Accuracy Specifications of Smart Tweezers ST-5S



Smart Tweezers ST-5S



LCR-meter Smart Tweezers ST5-S  
Newly Released Model off Smart Tweezers in LCR-Reader form-factor



Smart Tweezers LCR-meter ST5S Manual



Smart Tweezers LCR-meter ST5S Manual

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