

Worldlabel announces release of The Infinity V1 RFID Smart Label Converting Machine

Leading label manufacturer and RFID converting technology specialist Worldlabel, an Internet marketing division of Innotech Resources Pte Ltd, based in Singapore is pleased to announce the introduction of its premier Infinity V1 RFID Label Converting machine. Innotech markets its products online through its Worldlabel.com, Worldlabel.com.cn and Worldlabel.com.sg websites. The highly flexible state of the art machine targets many different market sectors including supply chain, consumer packaging, as well as pharmaceuticals, baggage tracking tags and many other applications.

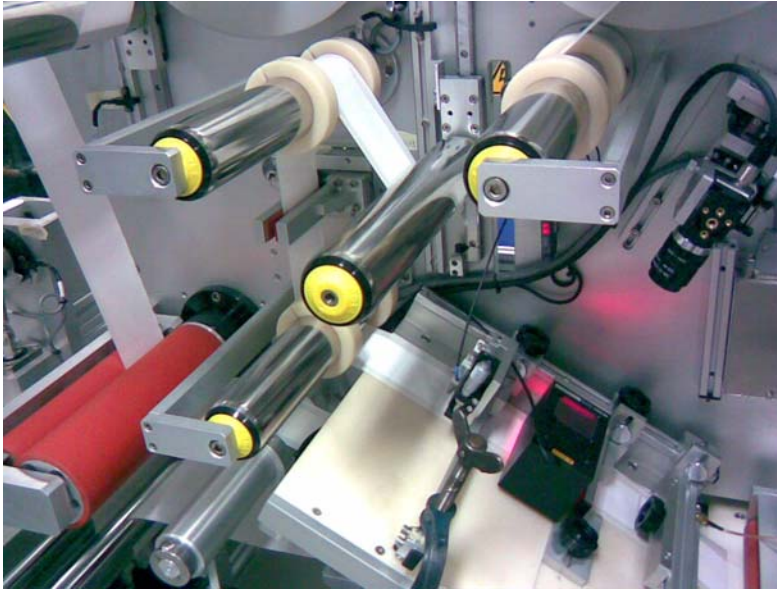
This new machine provides a low cost method of converting RFID tags/inlays to be embedded accurately onto a paper label, even though each production batch has varying size labels and requires a different type of RFID tag to be embedded in a different area of the label. The machine incorporates a number of patent-pending processes and techniques that are unique and provides the highest read rates in the industry. The novel online bad tag detection and removal system assures maximum quality, reliability and readability of the labels. For more information please visit: www.worldlabel.com.sg

The new generation machine was jointly developed and built with TÜV SÜD PSB Group. "We are very excited to be part of the development and introduction of the Infinity RFID Smart label converting machine. We are very confident that the machine will meet the most demanding RFID label converting needs of industry. Its versatility, compactness and accuracy in embedding inlays is a major advancement in Smart Label converting technology and makes this machine one of its kind" said Mr. YS Chin, Assistant Vice President (PSB Technologies) of TÜV SÜD PSB Group.



(Fig 1) The Infinity V1 – RFID tag embedding

- The machine is highly flexible and compact catering to many different sizes of labels and it can insert all types and sizes of RFID tags, accordingly to exact customer requirements. Targeted output of the machine is at least 100 labels per minute.
- The RFID tag can be embedded in any locations on the label depending on the customer requirement with the positioning accuracy of ± 1 mm in the feed direction; ± 1 mm across the feed direction and angularity $\pm 1.5^\circ$
- The operation of the machine is independent from the down stream conversion processes, such as lamination and cutting process. It has a buffer station that can cater up to 800 mm of completed reel. This enables ease of interfacing this machine into the conversion line.
- An added unique feature of the Infinity V1 is during the converting process, the Machine is able to inspect and then embedded only readable RFID tags from the inlay reel onto the liner in the RFID conversion process. Rejected RFID tag will be reeled up instead of dispensing onto the liner. RFID labels with working RFID tags are only produced in the conversion process and the extra costs incurred due to labels with bad RFID tag and the time spent can be saved.



(Fig 2) Detects and rejects non-working RFID tags

The machine will be produced in Singapore and the current lead-time is approximately 12 weeks. The Infinity can be modularized with current label converting machines. The Infinity can be modulated with current label converting lines or used stand alone. Set-up is easy and turn around time for creating different batches of RFID Labels is quick. A user friendly Touch Pad enables the operator to key in the metric of the length needed for accurate insertion.

“We will continue to convert RFID Labels but decided to introduce the Infinity because of market demand and factors. We received some inquires for our proprietary technology to be transferred to several converters, We realized that the market in many cases is moving towards specialty applications, not just the standard run 4 x 6” labels. said Mr. Alex Choong, President of Worldlabel Asia. Thus, the need for the label converter to be versatile in producing all types of RFID labels is critical and being close to the system integrator and end user is becoming a necessity to move RFID adoption even further.” said Mr. Choong “We are very excited as this opens up the field and gives the opportunity for label converters everywhere to quickly facilitate the special RFID label needs of each end user.” For more information visit: www.worldlabel.com.sg

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