

RCS-6689™

Patented Non-Metallic Conveyors and Materials for All RFID Applications



The first non-metallic conveyor system made specifically for material handling applications employing RFID.

RCS-6689™ is the first non-metallic slider-bed conveyor system made specifically for material handling applications employing RFID (radio-frequency identification) identification and tracking systems. The patented RCS-6689™ conveyor system eliminates electro-magnetic interference by using Brandonite® high-performance composite polymers. These compounds are molded through a proprietary process to give it unusual strength and durability characteristics in even the most demanding material handling applications.

Increased Read-Rate Accuracy at Lower Power Settings

Brandonite® is certified for use in RFID systems because of its superior performance for attenuation and reflectivity, thereby allowing RFID antennae to accurately read and discriminate RFID chips even on high speed conveyor systems. Since our composite materials are virtually transparent to UHF, 5 GHz, 125 KHz and 13.5 MHz frequencies, clients can use lower power settings, thereby increasing read-rate accuracy and greatly reducing back scatter and overlapping signals. Now, you can use multiple RFID systems within close proximity without the worry of misreads and double-counts.

Durable and Reliable Materials

How tough are RCS-6689™ conveyors? Our conveyors have operated flawlessly over the past four years in the harshest environments, ranging from -40 degrees F to +165 degrees F. The special self-lubricating slider bed increases belt life and reduces energy consumption due to lower friction, thereby allowing many years of trouble-free operation. RCS-6689™ conveyors have been proven to handle heavy payloads as well; RCS-6689™ conveyor systems are installed in more US and Canadian airports than all other RFID conveyors combined.

Flexible Designs and Unlimited Choices

RCS-6689™ conveyors come in three models and can be manufactured in a variety of sizes to fit your RFID needs. We can also custom-design conveyor sections to meet your specific material handling requirements.

RCS-6689-U™

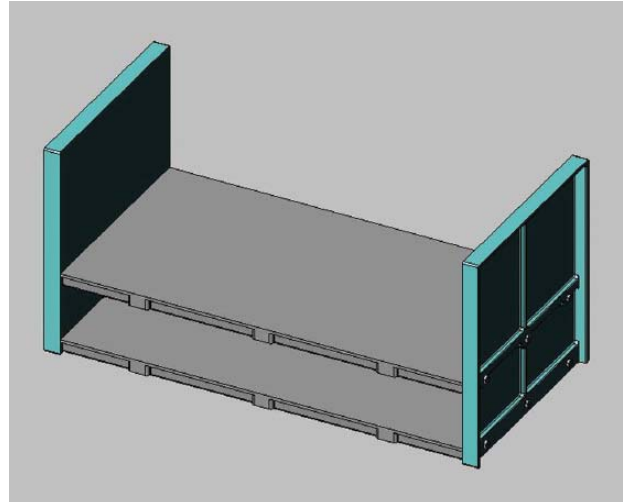
RCS-6689-U is our universal design which allows you to configure the antenna array anywhere on the conveyor (including underneath) for superior accuracy and flexibility. These sections can be easily inserted into existing or new installations and are sturdy enough to handle almost any conveyor-based material handling application. Universal conveyor sections are available in a variety of side guard heights and come in 20", 40", 60", 80", 100" and 120" lengths. Slider-bed widths come in 37" and 39" sizes.

RCS-6689-I™

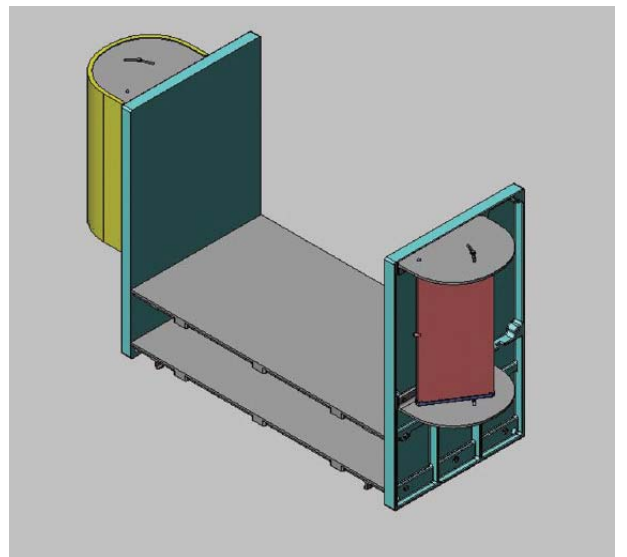
RCS-6689-I allows you to mount a standard-size antenna directly onto the specially designed integrated conveyor frame to allow an infinite variety of read-angle adjustments. The RCS-6689-I gives you ultimate flexibility to finely-tune the side-array antenna for optimal reading situations where belt-speed or close-proximity singulation is critical. The antenna is secured in a specially-designed weather-resistant housing for maximum protection and prevents accidental changes to read angles. The RCS-6689-I is perfect for interior/exterior use and available in 20" section lengths with 21" side guard heights. You can choose from 37" and 39" widths.

RCS-6689-RW™

RCS-6689-RW is our newest model (available Summer 2004) with back-to-back side antennae mounts for Read/Write/Verify RFID applications. This unique design integrates upstream-reading and downstream writing/verification into a single conveyor section for quick installation and deployment. Similar to the RCS-6689-I, the RCS-6689-RW allows you to mount standard-size antennae into the special housing to give you unlimited read-angle adjustments and protection. The RCS-6689-RW will be available in 60" and 80" sections with 21" side guards and 37" and 39" slider-bed widths.



RCS-6689-U™ Universal Non-Metallic Slider-Bed Conveyor



RCS-6689-I™ Integrated Non-Metallic Slider-Bed Conveyor

For more information visit our web site:
www.globecomposite.com
or e-mail us at info@globecomposite.com