

BRANDONITE®

High Performance Composite Polymers for Material Handling Applications

BRANDONITE® is a family of high performance composite polymers specifically designed to replace metallic components while greatly increasing product performance. BRANDONITE® utilizes a proprietary process that alloys materials to yield a wide variety of composites to fit specific product needs. As a result, BRANDONITE® can be customized to achieve demanding client-driven specifications while providing many additional benefits such as reduced weight and noise, increased durability, fewer parts, and reduced manufacturing and assembly costs.

ENDURO-STSTM

SYNTHETIC TILT-TRAY SORTER

This modular, all-synthetic tilt-tray sortation system leverages the unique characteristics of BRANDONITE® to deliver a durable, quiet and energy-efficient solution at a fraction of the cost of other metallic-based sortation systems. The ENDURO-STSTM can be driven by Globe's all-new synthetic engineered chain (an industry first) or linear induction motors. This sortation system can be configured for horizontal or over/under use and can handle speeds up to 355 fpm for lengths up to 3000 feet. The ENDURO-STSTM system consumes 20-30% less electricity, resulting in a total payback measured in months rather than years. And, this system is ideal for deployment with RFID applications.

Modular All-Synthetic Track

The ENDURO-STSTM all-synthetic track is specially designed by acoustic engineers to reduce noise and absorb energy, resulting in a vibration-free, ultra-quiet sortation system. And, the modular track has Infinite Indexing™, which are special indexing grooves allowing you to add tipper arm assemblies in a matter of minutes. The track is available in straight or curved sections to give you unlimited design flexibility.

Durable Tilt-Tray Sorter Carriage

The lightweight ENDURO-STSTM carriage is an extremely reliable transport mechanism that is quiet and long-lasting. These carriages weigh less than half the weight of traditional metallic carriages. The ENDURO-STSTM is the first product utilizing our new MFC (Maintenance Friendly Components) system, yielding mechanic-friendly components. Now, maintenance personnel can easily service carriages on site and replace parts with little more than a screwdriver or adjustable wrench. These carriages have been operating on a daily basis for over three years under the most adverse conditions without any need for maintenance or adjustment.

Tip-Up Assemblies

Built using our new MFC system, these assemblies are easy to service and replace. Each tip-up assembly is constructed with special energy-absorbing material that dramatically increases the service life. And, these self-lubricating and bearing-less tipper arms are virtually indestructible and can last up to 8-10 million cycles without service—nearly 4 times longer than metallic tip-up assemblies.



ENDURO-STSTM Tilt-Tray Sorter Assembly



Modular All-Synthetic Track Cross-Section



Durable Tilt-Tray Sorter Carriage



Tip-Up Assembly

IMAC-24™

INTELLIGENT MODULAR ACCUMULATION CONVEYOR

IMAC-24™ is our latest development in modular conveyor technology. This non-contact, zero pressure accumulation conveyor operates on 24-volt DC power providing a safe, quiet operating environment. And, this “plug-n-play” conveyor system comes with brushless drive rollers to combine high performance with long life. System speeds range up to 300 FPM and IMAC-24™ can handle zone loads up to 250 lbs. Now you can have a reliable conveyor system without chains, belts or pneumatics.

Modular Design

This system is available in a wide array of modules to accommodate any design requirement. Each module is controlled by a micro-PLC controller that transmits information via a Controlled Area Network bus interface. Each module comes completely assembled and ready to install in virtually any configuration: Divert Modules, Right Angle Transfer Modules, Merge Modules, Straight Modules (30, 60, 90 and 120-inch), Curve Modules and custom Straight Modules available in 2-inch increments up to 30 inches.

Synthetic Conveyor Side Frames

The side frame of the IMAC-24™ conveyor system is made from BRANDONITE®, a new material that significantly reduces wear and fretting normally associated with metallic conveyor side frames. These static-free frames have been tested up to 15 million cycles without any measurable wear. Also, the patented design integrates form and function allowing other components to be added without the hassle of drilling and welding. The special wiring channel allows maintenance personnel to access key service areas with ease. And, Globe can produce the conveyor frames in virtually any color to match your needs.

RCS-6689™

NON-METALLIC RFID CONVEYOR SECTIONS

These non-metallic slider-bed conveyors are specifically designed for use in heavy-duty applications requiring RFID (radio frequency identification) technology, a robust read-write capable, radio wave tracking and identification method. Made of BRANDONITE® composite polymers, RCS-6689™ conveyors have been exclusively chosen by leading RFID antennae manufacturers because of its extremely low attenuation (less than ½ dB) and zero radio-wave reflectivity. These conveyors come in a variety of widths and are available in section lengths of 20, 60, 80, 100 and 120-inches. RCS-6689™ conveyors have withstood the punishment of daily use at some of the nation's busiest airports for over four years.

Value Engineering

Globe engineers are experts in material handling applications and work with you from concept to production to provide turnkey design and manufacturing solutions. We have over 100 years combined experience in product design and process engineering. We will evaluate your product, recommend design enhancements and develop customized solutions to fit your specific needs using our BRANDONITE® family of polymers.

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



IMAC-24™ Modular Accumulation Conveyor



IMAC-24™ Conveyor Side Frame Cross-Section



RCS-6689™ Non-Metallic Slider-Bed Conveyor



Shaft Keepers™