

A Premier Total Solutions Company

Tech Logic is the leading provider of innovative Automated Sorting Technologies (AST), circulation staff support tools, and patron self services for libraries. Tech Logic accomplishes this through our unequalled expertise, dedication to quality, and world class customer relationships.

In order to provide our clients with the ultimate experience, we dedicate ourselves to our core values: We recognize that our customers are our most important asset and we are willing to take risks for the sake of innovation. Tech Logic embraces change and focuses on attention to detail. With empowered employees, we continually redefine the expertise that is leading our industry today.

Tech Logic provides barcode and RFID check-in and check-out systems, material return drops, automated sorting technology systems, inter-library distribution systems, and patron reserve systems. We design, manufacture, deliver, install, maintain, and service all of our systems.

Superior Sorting Methods

Conventional material handling methods require a great deal of physical time and labor. Libraries, depending on their size, can easily expend 100 to 2,000 labor hours per week checking in and sorting library materials. That creates an additional cost of \$100,000 to \$2,000,000 per year for manual sorting.

There is a superior alternative to conventional methods of item handling. Tech Logic's Automated Sorting Technologies (AST) are designed to protect your valuable items, increase circulation, and reduce labor-related costs and injuries. By choosing Tech Logic's AST, your library will be able to reduce labor costs by 50% to 80% per year.

Unique Functionality and Flexibility

Tech Logic's Automated Sorting Technologies (AST) operate with barcodes, RFID, and all brands of Integrated Library Systems.

We manufacture Automated Sorting Technologies for libraries of all shapes and sizes using innovative and creative ways to match your facility needs. Our systems are designed for efficiency, speed, protection of materials, and ergonomic comfort. We will gracefully fit your custom designed system into your new or existing library structure.

Custom Solutions

Tech Logic will partner with your library to create Automated Sorting Technologies specific to your needs. Our dedicated and process-driven staff will work with you and your architect to customize and recommend logical design aspects for your library. Regardless of your library size, your Tech Logic sorting system is designed component-by-component to seamlessly handle your current needs or accommodate your library's future growth. As your community grows, circulation will increase as will your collection, thus increasing the importance of having an automated sorting system that can grow with you.



Expertise - Quality - Ultimate Customer Experience



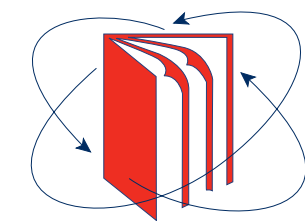
Automated Sorting - RFID Technologies - Self Check-Out Systems



OFTEN IMITATED, NEVER EQUALED

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Automated Sorting Technologies



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QUICK SORT

Tech Logic's **QuickSort** systems provide libraries and branch locations with an economical solution for sorting materials. Available in 3- or 5-bin sorting models, they are easily installed and provide the performance, innovation, quality, and service that are synonymous with Tech Logic. QuickSort systems contain only the highest quality materials and equipment to produce a system that is durable, reliable, and low maintenance.

Features

- Interior or Exterior Book Drop
- Automated Check-in
- Patron Receipt Printing
- Barcode and/or RFID
- Compact Footprint
- Operates on a single 110 volt outlet

Tech Logic AST Featured Technologies

Green Operation

Tech Logic's AST consume very little energy. Using state of the art technology, components draw very little power and idle with virtually no power load.

Quiet Operation

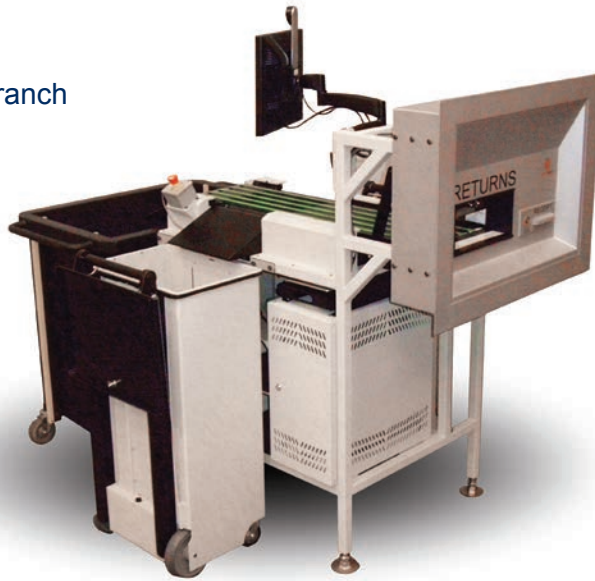
Tech Logic's AST operate below 60 decibels db(A). The system can be installed in staff work areas and conveyance can travel through dropped ceilings, saving space in your library.

ISO Standard RFID

Tech Logic supports ISO Standard, non-proprietary RFID equipment and tags to promote interoperability between suppliers.

Robust Design

The systems can run without interruption 24 hours a day, 7 days a week with minimal operator intervention.



ULTRA SORT

Tech Logic's **UltraSort** systems provide the ultimate features, functionality, and labor savings in a premium "turn-key" solution of flexible sorting options. Each system is designed for maximum throughput to meet the needs of busy libraries and central sorting operations of all sizes.

Sequence of Operations:

1. Items enter an interior and/or exterior book drop.
2. Items are automatically separated from each other using Tech Logic's patented "De-Shingler" technology.
3. Items travel along a conveyor.
4. Items enter a Barcode and/or RFID check-in module.
5. Items are checked in and sorted to bins or book trucks.
6. Sort locations can be programmed based on library specifications.

Sorting/Check In

- Tech Logic's AST automatically check-in items using barcode and/or RFID technologies

Book Placers

- HI-IQ Book Placers are designed to fine sort items onto book trucks
- Can increase labor savings and promptly put items back into circulation

Scalability

- An UltraSort system can be built with as few as 3 bins and expanded up to hundreds
- Tech Logic systems are able to handle millions of library material items

Throughput

- Utilizes all-electric motion controls, allowing sorting to be fast and efficient
- Designed to run with as little as one operator
- Can efficiently process between 1600-2000 items per hour
- Controlled by software that communicates via a dedicated network

Architectural Designs to Match Library Layout

Whether it is new construction or remodeling, our designs have conquered numerous architectural challenges. Items can travel safely under streets and buildings, navigate through multiple floors within a library, and quickly find their way to sort locations.

Stand-Alone Book Drop

Stand Alone Book Drops can be installed wherever your facilities require, accommodating patrons with 24 hour return service, allowing intake in your library to be increased and simplified.



Hands-Free Book Drop

Activated by the presence of an item, the book drop door opens and patrons insert materials that are transported along horizontal or inclined conveyors using Tech Logic's patented "sandwich style" belts that carry items to their destination for check-in and sorting.



Smart Bins®

These wheeled bins contain a photoelectric eye that detects the presence or absence of items. The floor raises or lowers depending on the level of items inside to allow for ergonomic loading and unloading. Additionally, they operate automatically or manually.



Loader/Unloader

When in unload mode, the floor of the 125 model Smart Bins® will automatically move up and unload items onto Tech Logic's patented de-shingling belts, where they are separated and transported to the sorting system.



Fire Suppression

The Fire Suppression system, in connection with the Hands-Free Book Drop, eliminates the fire hazards associated with book returns. It prevents an object on fire from entering the library through the book drop.

