How can automated return + sorting solutions help your library?

Simplify processes for library staff
With any combination imaginable, flex AMH is the maximum time saver, delivering efficient workflows that keep your circulation moving and allow your staff to focus on more meaningful tasks.

Enhance experiences for library users
flex AMH was designed specifically for library users from the ground up. This unique hardware and software return + sorting solution delivers an engaging experience for users – making returning library items as simple as possible.

Libraries today

Have to deliver excellent service with tighter budgets and limited resources
Are challenged to meet increasing user expectations
Are evolving to focus on the social-based needs of their communities
Benefits of the flex AMH range
Create the perfect return and sorting solution that is configured to fit your space and budget, providing you with the best overall value.

Completely customized for you
Our fully modular design allows us to create any type of solution to fit your specific space. Our dedicated AMH team will walk you through the entire process from beginning to end, ensuring your return and sorting processes will deliver the results you need!

Return multiple items at once
flex bookDrop allows users to quickly return multiple items at once and carry on with their day. The flex bookDrop is available with a flat front for walk-up usage or an extended, drive-up front from which users can conveniently return items without leaving their car.

RFID, EM + barcode based
Our flex AMH solution can be used in libraries that use RFID, EM or barcode technologies. There is no need to convert your collection to a specific format in order to start taking advantages of efficient return + sorting processes at your library.

Move items across multiple floors
With extended conveyors and lift systems, the flex AMH system allows you to sort items from multiple rooms and floors within your library. By automating the collection of materials from many return points, you can simplify the complexity of getting items back on the shelf fast.

Select from many types of bins
Depending on your space and requirements, we offer a selection of return bins to choose from. We have a smaller, more square bin, a large rectangular bin, and our autoBin™ even senses the level of books in the bin and brings them all to the top for you, requiring less bending and repetitive motion injuries.

Sort items onto stacking carts
For the ultimate ergonomic solution, we offer the flex stackingCart™, where books are sorted with their spines in an outward facing direction and stacked neatly onto the cart. These mobile stacking carts can easily be transferred into the stacks and with a touch of a button, transform into a horizontal shelf, making it convenient to re-shelf items.

Learn more: flex AMH features + benefits video
Hard to image how this system can work in your space? Watch the video for benefits and flexiblity flex AMH brings to libraries.
A solution that grows with your library’s needs

We build your library installation around the specifications you give us and make sure our modular system perfectly fits your existing space. With many factors to consider when choosing the right solution for your library, we make sure to guide you through the process with ease and simplicity.

- Can be designed to allow for convenient 24/7 access
- Dedicated sort patterns allow for quicker material processing
- Handles deliveries from other branches

“...it was a bit like watching a Lego set being fitted together.”

Richmond Hill Public Library customer story

flex AMH makes returning and sorting easier than ever before for this Ontario, Canada library. Read more...
Offer a drop-and-go experience familiar + intuitive to users

With the flex AMH bulkSeparator™, libraries can offer a quick, simple drop-and-go return solution, an experience familiar to users*. With the natural use of gravity and vibration, the bulkSeparator efficiently separates items for accurate processing. Lastly, free staff from manual processing labor for more meaningful tasks in the library.

Library demo + case study: Forsyth County Public Library
Forsyth County partnered with bibliotheca to help manage their return process and make it as easy as possible for readers to return items and then go enjoy a program or discover their next book.

Need more information?
Speak with a flex AMH specialist today.

We are dedicated to simplifying tasks and improving user experience so libraries can focus on their community impact. We deliver custom ROI analysis to show the cost savings and efficiency gains with flex AMH.

Click here to get in touch!

* flex AMH bulkSeparator works with RFID enabled items only
Effortlessly move items across floors or even buildings

Design a solution that fits your custom library space + optimizes the user experience.

Offer returns on multiple floors or across vast buildings with ease.

Allow library users the convenience of 24/7 returns.

Modernize your library space and operations with the latest return + sorting technologies.

Maximize space and keep valuable square footage for library services + staff needs.

Trust our qualified engineers for support throughout the planning + implementation phases.

Learn more: flex transportationSystems overview video

Discover how to efficiently and effectively automate large-scale returns and improve library experiences by watching the overview video today!
Bin options enable library items to be gently accumulated and sorted

All of the flex AMH bin options integrate seamlessly with the flex AMH return and sorting system. Each bin can easily pull away from the docking station, allowing staff to smoothly glide them around the workroom. The spring-loaded base also provides a sponge-like reflex, gently protecting items from being damaged as they are sorted into the proper location.

Sort into neatly organized stacks

Items are placed neatly on the stackingCart™, ready to be re-shelved

Eliminates the need for staff to continually bend over and risk repetitive motion injuries

Roll from back room directly into the stacks, eliminating the need for additional handling
Intuitive software for users + staff

The user-facing quickConnect™ AMH software delivers an engaging experience for users of all ages and abilities – making returning library items a breeze. Staff utilize flex AMH software to easily monitor the health of the system, make changes to the user interface and design custom receipts. To learn more, see our dedicated flex AMH software datasheet.

Creative + welcoming screen welcomes and invites users
Engage with users in their preferred language
Confirm return details with easy-to-read information
Intuitively prompt users when a response is needed
Provide easy-to-use keyboards to enter user details

Customer story: Candiac Library
Learn more about how a small Quebec library modernized their service offering with the help of flex AMH + selfCheck.

View real-time updates from any location with ease
Design your library’s custom hold slip
Easily backdate returned items for accurate processing
Share informative receipts with users
Allow users to return all items to the library, even for others!
Specifications

**User frontend:**
- Dimensions: h: 940 mm / 3'-2"; w: 636 mm / 2'-1.5"; 19" touchscreen
- Input level (internal & external): h: 1950 mm / 2'-3.5"

**Environmental facts:**
- Noise Level: Less than/equal to 55dB per module
- Humidity: Max 80% non condensing
- Working temperature (internal): +5°C - +40°C / 41°F – 104°F
- Working temperature (external): -15°C - +60°C / -5°F – 140°F

**RFID specification:**
- Operating frequency: 13.56 MHz, max transmitting power: 1.2W
- Supported tag types: ISO15693 / ISO18000-3 Mode 1
- Radio approvals: Europe (EN 300 330), US (FCC 47 CFR Part 15), Canada (IC RSS-GEN, RSS-210)

**bulkSeparator**
- Operating frequency: 13.56 MHz, max transmitting power: 5W
- Supported tag types: ISO15693 / ISO18000-3 Mode 1

**Supported user cards**
- Operating frequency: 13.56 MHz, max transmitting power: 5W
- Supported tag types: ISO15693, ISO18000-3 Mode 1, ISO14443A/B

**Item performance:**
- 2,400 item per hour to be sorted, depending on LMS/ILS response time and flex AMH configuration

**Login types:**
- Barcode, Mifare, Legic

**Standards / certification:**
- CE, FCC, UL, ROHS
- All devices running on 24V DC low voltage
- Machinery directives 2006/42 EN
- Relevant low voltage directives
- Relevant electromagnetic submission and radiation directives

**Reporting:**
- Configuration and reporting is available via our optional libraryConnect devices central management software

**Software:**
- quickConnect AMH software is delivered pre-installed and pre-configured with all AMH systems. Supports LMS/ILS protocols SP2 and NCP and is data model independent. flexVisualizer™ provides quick information and an instant virtual view of the configured AMH system.

**Dimensions of items that can be sorted:**
- minimum: h: 100mm / 3-15/16"; w: 100mm / 3-15/16"; d: 5mm / 3/16"
- maximum: h: 410mm / 16-1/8"; w: 360mm / 14-1/8"; d: 120mm / 4-11/16"

**Weight of items that can be sorted:**
- maximum: 10lbs (4.5kg)

**flex bulkSeparator performance:**
- 900 per hour rate yields up to 50% of items to the exceptions bin.
- Generally, processing less items per hour yields fewer items to the exceptions bin.

**Options:**
- Hardware:
  - External weather resistant housing (rain/bright conditions)
  - Mounting collar
  - Void slip printer
  - Item barcode reader
  - Mifare Reader for user identification cards
  - RFID Antenna in frame - for RFID user cards or items
  - Declining conveyors
  - Turntable and curve modules
  - Lift systems
- flex bulkSeparator**
  - flex bin in large or small size
  - flex autoblind
  - flex trackingCart (incl. turn table)
  - Tote sorting
- Software:
  - Reject function
  - Unsecure function
  - libraryConnect devices central management software

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* Subject to change based on custom configuration
** flex AMH bulkSeparator works with RFID enabled items only

Although we make every effort to ensure information is correct at the time of release, it is possible that specifications and features may vary or change over time. bibliotheca therefore makes no representations or warranties as to the completeness or accuracy of the information contained within this document.