# bibliotheca flex AMH™

## flexible return and sorting system

Create the perfect return and sorting solution that is configured to fit your space and budget, providing you with the best overall value. We simplify the materials handling process, so you can evolve your service and deliver the best overall library experience for your community.

# benefits of the
## flex AMH™
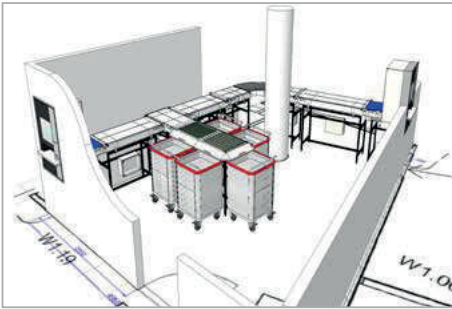


### completely customized for you

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!



### 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.



### return multiple items at once

Easily integrate the flex AMH™ system with any standard book drop. This allows users to quickly return multiple items and carry on with their day. These items will be separated and accurately processed in a fraction of the time it takes manually.



### 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.
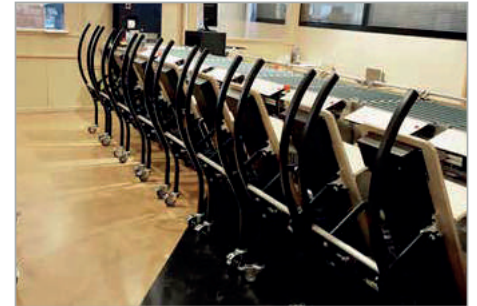


### sort items onto stacking carts

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.

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# Specifications : bibliotheca flex AMH™

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|---|---|---|
| **User frontend:** | **Dimensions*:**<br>h: 945 mm / 3'-2"<br>w: 636 mm / 2'-1.5"<br>19" touchscreen<br>Input level (internal & external)<br>h: 950 mm / 2'-3.5" | **Environmental facts:**<br>Noise Level: Less than/equal to 55dB per module<br>Humidity: Max 80% non condensing<br>Working temperature (internal): +5°C - +40°C / 41°F – 104°F<br>Working temperature (external): -15°C - +60°C /  5°F – 140°F |
| **RFID specification:** | Operating frequency:<br>13.56 MHz, max transmitting power: 1.2W<br>Supported tag types:<br>ISO15693 / ISO18000-3 Mode 1<br>Radio approvals:<br>Europe (EN 300 330), US (FCC 47 CFR Part 15),<br>Canada (IC RSS-GEN, RSS-210) | **bulkSeparator™**<br>Operating frequency: 13.56 MHz, max transmitting power: 5W<br>Supported tag types: ISO15693 / ISO18000-3 Mode 1<br>**Supported user cards**<br>Operating frequency: 13.56 MHz, max transmitting power: 100mW<br>Supported tag types: ISO15693, ISO18000-3 Mode 1, ISO14443A/B<br>Radio approvals: Europe (EN 300 330), US (FCC 47 CFR Part 15) |
| **Item performance:** | 2,400 item per hour to be sorted, depending on LMS/ILS response time | |
| **PC:** | Windows 10 IoT Enterprise 64 bit | i5 CPU | 4GB RAM | 500GB HDD | |
| **Login types:** | Barcode , Mifare , Legic | |
| **Standards / certification:** | CE, FCC, UL, RCM<br>All devices running on 24V DC low voltage<br>Machinery directives 2006/42 EN<br>Relevant low voltage directives<br>Relevant electromagnetic submission and radiation directives | |
| **Reporting:** | Configuration and reporting is available via our optional libraryConnect™ central management software. | |
| **Software:** | quickConnect AMH™ software is delivered pre-installed and pre-configured with all AMH systems. Supports LMS/ILS protocols SIP2 and NCIP and is data model independent. flex Visualizer™ provides quick information and an instant virtual view of the configured AMH system. | |
| **Dimensions of items that can be sorted:** | minimum: h: 100mm / 3.94' | w: 100mm / 3.94' | d: 5mm / 0.20'<br>maximum: h: 410mm / 16.14' | w: 360mm / 14.17' | d: 120mm / 4.72' | |
| **Weight of items that can be sorted:** | maximum: 4 kg / 8.8 lbs | |
| **Options:** | **Hardware:**<br>External weather resistant proofing (rain/bright conditions)<br>Mounting collar<br>Hold slip printer<br>Item barcode reader<br>Mifare Reader for patron identification cards<br>RFID Antenna in frame - for RFID patron cards or items<br>Declining conveyors<br>Turntable and curve modules<br>Lift systems | flex bulkSeparator™<br>flex bin™ in large or small size<br>flex autoBin™<br>flex stackingCart™ (incl. turn table)<br>Protective covers for all modules<br>Tote sorting<br><br>**Software:**<br>Reject function<br>Unsecure function<br>libraryConnect™ central management software |