



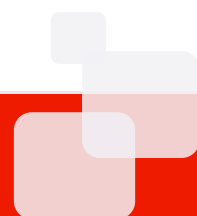
Ruby™ Pro AMH System Circulation system

Sorting out returned library materials by manual labor is time consuming thus costly for libraries. The Ruby™ Pro AMH (Automated Materials Handling) System is the perfect solution to automate the return process.

Architecture

Born out of intensive research and rich experience, the Ruby™ Pro AMH System is a sophisticated solution that can be equipped with indoor return points or the Sapphire™ 24/7 Bookdrop. The system's modular architecture allows for the design of 2, 3, 5, 7, etc., sorting positions, providing a high degree of flexibility and adaptability. Each sorting position requires a custom-designed sorting bin tailored

specifically to the task at hand. Each bin features a moving bottom that safeguards materials from falling excessively, thereby reducing the risk of damage while still maximizing content capacity. Crafted from lightweight aluminum, these bins offer maximum handling flexibility.



Ruby™ Pro AMH System

Circulation system

Front System

The Ruby™ Pro indoor return point or the Sapphire™ 24/7 Bookdrop is designed to recognize library materials, be it books or AV materials, equipped with an RFID tag, thereby triggering the opening of the hatch. The user-friendly Light Indication System (LIS) seamlessly guides users throughout the return process.

System details

The Ruby™ Pro optimizes the handling of returned materials in a swift and user-friendly manner, boasting a capacity to seamlessly process up to 1500 materials per hour. The system's modular design allows each module to accommodate 2 or 3 sorting bins, with modules daisy-chained to include an additional 2 sorting positions per module.

Thanks to the fully enclosed 2-belt system, as opposed to traditional rollers and straps, the modules can flawlessly handle even the smallest or thinnest magazines or books. To keep library staff informed, blue indicator lights provide real-time updates on sorter operation status and bin load levels.

Specificities

Material: Aluminum and stainless steel.

Maximum item dimensions:

Height: 400 mm

Width: 400 mm

Thickness: 65 mm

Minimum item dimensions:

Height: 100 mm

Width: 80 mm

Thickness: 3 mm

Ground surface: 750 x 500 mm (each module)

Electrical supply: Depends on the number of modules

Max 450 Watt / module Standby : 40 Watt

Weight: 50 kg (each module)

Air supply: None

Theoretical capacity: 1500 items / Hr.

Compatibility: 13,56 MHz, ISO 15693 / ISO 18000-3 mode 1

Software: Software is delivered pre-installed and pre-configured.

Supports LMS/ILS protocols SIP2 and is data model independent.

Network: 1 x 10/100 MB RJ45

Operating system : Sigmatek OS

Service: Dedicated VPN connection

Energy: The bin sorter is designed to be very energy efficient. In standby it uses 40 watt per module

Mounting/installation: In-wall mounting

Standards / certification: CE / EMC Compliant, EN 1050-1 Compliant



Square Bookdrop



Round Bookdrop



2-Belt system