



## 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

The Ruby™ Pro AMH System was developed after intensive study and experience and can be equipped with indoor return points or the Sapphire™ 24/7 Bookdrop. The modular system architecture enables design of 2, 3, 5, 7 etc. sorting positions. Each sorting position requires

a tailor made sorting bin that fits the job. The bin has a moving bottom that protects materials from falling all the way down with the risk to get damaged and yet hold maximum content of materials. The light weighted bins are made of aluminum for maximum handling freedom.



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### Front System

The indoor return point of the Ruby™ Pro or the Sapphire™ 24/7 Bookdrop recognizes library materials (books or AV materials) with a RFID tag and opens the hatch. The user friendly light indication system (LIS) will guide the user through the return process.

### System details

The Ruby™ Pro takes care of returned materials in a fast and easy way and can easily handle 1500 materials per hour. The sorter is build up in modules, each module is capable of feeding 2 or 3 sorting bins. Modules are daisy chained to add 2 extra sorting positions per module.

The modules can handle even the smallest / thinnest magazines or books flawlessly because of the fully closed 2-belt system instead of the rollers and straps generally used in traditional sorting machines. Blue indicator lights inform the library staff of the sorter operation status and the load levels of the bins.

## Specifications

**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*