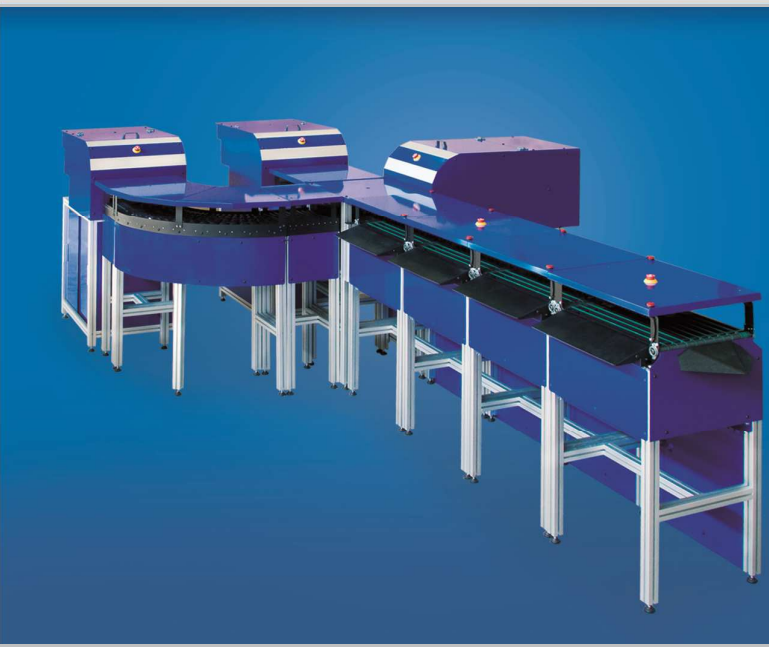
P.V. SUPA
Process Improvement Applications



AMHS Modules

The Automated Material Handling System (AMHS) is built from modules, each having a different function in the system. By choosing the right modules, the AMHS system can be designed to fill the exact needs of a library. The modular structure also allows the system to be reconfigured at a later time, for example by adding sorting modules or inlets.

Inlet Module

The Inlet Module is the core module of an AMHS system. This module automatically returns the material that the patron feeds into the AMHS so that the material is registered as returned to the library system's database. Normally the Inlet Module is the only part of the AMHS system that is visible to the patron. Patrons use the Inlet Module from a touch screen that guides the patron as the check-in event progresses.

The Inlet can be integrated into an outer wall with a 24h-hatch system. With this option the AMHS can be used outside the library's opening hours. The Inlet Module is also available as a specialized staff inlet version or as a smaller staff version, the Staff Compact.

Staff Feed Module - Staff Compact

The Staff Compact is a new option for the traditional staff inlet module. This Staff Compact is extremely compact in size and is electrically height adjustable, making it very space-efficient in the library and much more pleasant and ergonomic for the library staff to use.

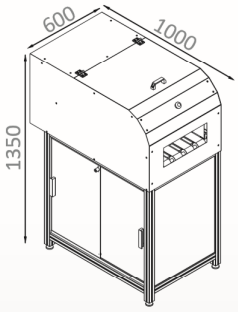
Sorting Module

A Sorting Module moves the material through the system to either ergo trolleys, sort bins or totes. A Sorting Module has two conveyor systems, conveyor bands to move the material forward in the AMHS system and conveyor rollers to drop the material to the sorting position on either side of the sort module.

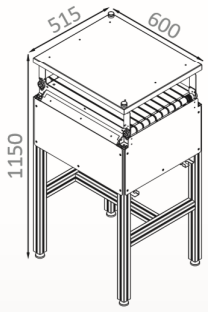
- Quick to install
- Compact footprint
- Easy to use

AMHS MODULES

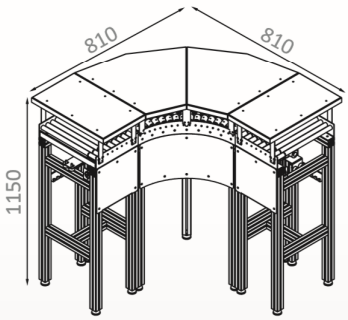
FEED MODULE



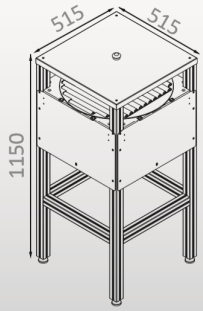
CONVEYER MODULE



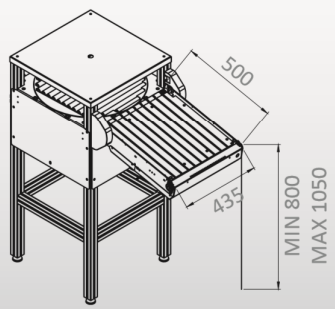
CURVE CONVEYER



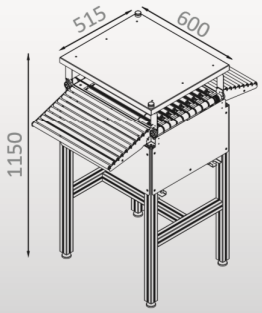
TURNING TABLE



STAFF FEED MODULE



SORTING MODULE



Turning Table

The Turning Table is a unit placed before the sorting modules in the AMHS system. The purpose of the turning table is to turn the books right way around so that they can be sorted back up in to ergo-trolleys. Back of the book needs to be in correct direction because it usually contains the books name and library specific department and shelf codes that help the library staff in recognizing the material.

Conveyer Module

A Conveyor Module is used to move material from the inlet module to the sorting modules. Conveyors are used in multi-inlet setups for spacing the inlets, as well as managing the device footprint in a library. Shortest conveyor module can be 19.7 inches long and longest 47.24 inches.

Curve Conveyer

Curve Conveyor can be used when there is a need for an angle of a certain degree, typically when the AMHS system needs to be adjusted to a wall or just to make turning a 90-degree corner easier. The main function of a Curve Conveyor is to move material to sorting modules. The smallest angle for a curve conveyor is 5 degrees.

Feed Module:

Dimensions: (WxlxH)
23.6 x 39.3x 53.15 inches
Feed modules in take height: 34.05 or 39.37
.
Feed modules output height: 39.38 inches

Material identification: RFID or barcode
Color: Any from RAL-color chart
Certificates: CE UL

Staff feed Module - Staff Compact:

Dimensions: (WxlxH)
20.27 x 19.68 x 45.27 inches
Color: Any from RAL-color chart
Certificates: CE UL

Sorting Module:

Dimensions: (WxlxH)
20.27 x 23.62 x 45.27 inches
Color: Any from RAL-color chart
Certificates: CE UL

Turning Table:

Dimensions: (WxlxH)
20.27 x 20.27x 45.28 inches
Color: Any from RAL-color chart
Certificates: CE UL

Conveyer Module:

Dimensions: (WxlxH)
20.27 x 19.68-47.24 x 45.27 inches
Color: Any from RAL-color chart
Certificates: CE UL

Curve Conveyer:

Dimensions: (WxlxH)
20.27 x 19.68—47.24 x 45.27 inches
Color: Any from RAL-color chart
Certificates: CE UL

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