



AUTOMATED MATERIAL HANDLING (AMH)

LYNGSOE SORT MATE™ 2000 SERIES
- THE NEXT GENERATION IN AUTOMATED MATERIAL HANDLING

ENVISIONWARE®


**Lyngsoe
Systems**
Library Solutions

AUTOMATED MATERIAL HANDLING FOR LIBRARIES

The Lyngsoe Sort Mate™ 2000 AMH system is a complete line of Automated Material Handling products designed specifically for today's requirements of libraries.

SORT MATE 2000 AMH SYSTEM

The system comprises a range of products that can be built in a number of different combinations:

- Sorting modules and conveyors
- Different types of bins for individual needs
- Indoor and outdoor check-in stations
- Check-in stations dedicated for staff

The design of the Sort Mate 2000 focuses on ergonomics, usability and performance highlighting a key focus on material handling efficiency, improving work environment and the patron experience.

MODULARITY FOR INDIVIDUAL USAGE

The complete, modular design of the Sort Mate 2000 makes it possible to build automated material handling systems to meet any requirement in regards to capacity and available space.

NO LIBRARY TOO LARGE OR TOO SMALL

The Sort Mate 2000 is designed to fit into any library environment as the sorting system's small footprint makes it possible to locate a system in very compact spaces. It can be configured in a wide variety of layouts – allowing for sorting systems as small as 3-bins, to systems as large as needed.

Horizontal and vertical conveyance systems, specially designed for library materials, can also be incorporated into the system to offer distribution across multiple floors and to fit virtually all building requirements.

FLEXIBLE AND EXPANDABLE

The modularity makes it easy to extend or move a system at a later date while different types of chutes and bins enhance the flexibility of the Sort Mate 2000. This means that different types of bins can be assigned, for example, during opening hours or when closed.

Lyngsoe Sort Mate™ Module



DESIGNED FOR THE MODERN LIBRARY

MODERN DESIGN

As well as offering exceptional functionality, Lyngsoe System's modular AMH systems can be tailored to fit seamlessly into virtually any interior space. Delivering to high-quality Danish design principles, the Sort Mate 2000 has an open design with clean lines making it ideal for the architectural library environment where glass walls between the public area and the sorter room are often a feature.

The architectural design integrity of the library vision for new builds and refurbishments is further assured with customizable units. Shelves and tabletops are available as custom-designed options in a variety of materials, colors and sizes. This means that complete AMH systems can be delivered to match the library and its ambiance, whether it is a completely new building with unique design concepts or the refurbishment of an old shipyard into a modern library.

WORK ENVIRONMENT

The Sort Mate 2000 products and functionalities are focused on overcoming multiple handling and repetitive, heavy lifting of library materials. Eliminating time-consuming manual processes enables library staff to be available for more knowledge-based patron services.

Lyngsoe Systems' focus on delivering unique and ergonomic AMH solutions provides support for staff welfare, and guards against the onset and recurrence of physical injuries from excessive bending and lifting. For example, as well as optimizing process flow, the Lyngsoe Ergo Cart™ offers multiple benefits directly related to its ergonomic design.

With a Lyngsoe Turn Mate™ module, the full Ergo Cart - with materials already stacked spine out - is taken directly from the sorter to the library shelves for re-shelving. Here, the push of a button raises the materials to waist height, meaning no bending or awkward lifting is required during the single manual handling process.



Lyngsoe Library Mate™ 1200 self-return kiosk



Lyngsoe Ergo Cart™



Lyngsoe Library Mate™ 2100 exterior kiosk

LYNGSOE SORT MATE™ 2000 MODULE

MODULAR, EXPANDABLE SORTING SOLUTION

Sort Mate 2000 is the latest generation in the successful series of dedicated library sorters installed in hundreds of locations across the world.

High speed and precise sorting is enabled by robust and stable Lyngsoe software and hardware. Accurate sorting minimizes the need for staff to handle items.

Compact and modular modules allow for flexible adaption to any small or large footprint – even in challenging premises. The low noise operation ensures a comfortable working area around the sorter.

Low power consumption and minimal maintenance add further to the benefits of the Sort Mate 2000.



FEATURES AND BENEFITS

- Flexible layouts to fit your library
- Compact – fits any footprint
- Low noise operation
- High capacity
- Quick material return for circulation

LYNGSOE ERGO CART™

THE ICONIC ERGO CART FOR ERGONOMIC MATERIAL TRANSPORTATION

On the Sort Mate sorter materials are stacked in the Ergo Cart ready to be transported directly to the shelf.

At the push of a button, the Ergo Cart raises its shelf to a horizontal ergonomic height making reshelving easy and ergonomic – no more awkward angles for your back.

When connecting the Ergo Cart to the docking station, the automatic magnet lock function removes the need to lock the castor breaks, and the sorter module is ready for sorting. We call it “dock-and-go”.

When the Ergo Cart is placed in the docking station, the battery is charged automatically.



FEATURES AND BENEFITS

- Ergonomically correct posture at reshelving
- Fast circulation from Ergo Cart to shelf
- Materials only need to be handled once
- Flexible replacement with Ergo Carts
- Clear indicator light when the Ergo Cart is full

LYNGSOE ERGO BIN™

THE 3RD GENERATION HIGH-CAPACITY, ERGONOMIC BIN FOR MATERIAL HANDLING IN LIBRARIES

The super sleek Lyngsoe Ergo Bin™ has a high-end, slim, and light design. Many libraries have the need for high capacity destinations for AMH sorter solutions and also want a bin as a stand-alone unit in the library as an easily accessible drop-off point next to the self-service kiosk – with the full bin functionality. The bin construction is robust and built to handle the heavy load day in and day out.

We know how much the footprint size of a sorting system means. So we have designed a bin that is compact and takes up minimal space and still has an amazing 161L/42.5 gal in material volume. We even use the same docking station as the one used for our Ergo Cart, giving more for less cost.



FEATURES AND BENEFITS

- 161L/42.5 gal high-capacity volume
- Connected or standalone operation
- Fully autonomous or manual control
- Easy and ergonomic to use
- Small compact footprint
- Automatic charging
- Full flexibility of destination type

LYNGSOE METAL BIN

BIN FOR BULK COLLECTION AND EASY TRANSPORT OF MATERIALS

In terms of both material size, number of materials capacity and maneuvering, the Lyngsoe Metal Bin offers great flexibility. Fed by the Lyngsoe Sort Mate™ 2000 sorting system through the designated chutes or directly from a Lyngsoe Library Mate™, the bin is easily interchanged.

The Metal Bin comes in three different sizes allowing you to choose exactly the bin that suits your capacity need.

Using the metal bin with a Sort Mate 2000 sorter module the load is automatically always monitored and when the metal bin is full, an alert is visually raised, both in the system and at the bin chute, to the staff so the full bin can be replaced with an empty bin. You also have the option to configure a 'nearly full' warning in the system.



FEATURES AND BENEFITS

- High capacity
- Suitable for all materials
- Ergonomic design
- Easy maneuvering

LYNGSOE LIBRARY MATE™ 1200

THE COMPACT AND COST-EFFICIENT INDOOR SELF-RETURN KIOSK

Integrating into the Sort Mate sorting system the Lyngsoe Library Mate™ 1200 allows patrons to return materials quickly by themselves, relieving staff from repetitive work. The Library Mate software communicates with the ILS/LMS to change the status of the materials immediately.

The touch screen opens up for a choice of languages and leads the patron comfortably through the return process. Barrier-free patron access is available in the newest Library Mate software offering specially designed easy-to-read fonts and voice guidance.

The front of the induction can be placed at different heights and multiple inductions can serve the same sorter.



FEATURES AND BENEFITS

- Allows unattended and automatic return of library materials
- Reduces repetitive tasks for library staff
- Compact. Can be customized to fit library design
- Flexibility in height placement
- RFID/barcode options

LYNGSOE LIBRARY MATE™ 2100

THE ROBUST AND STYLISH EXTERIOR SELF-RETURN KIOSK

Designed with style and functionality, the Lyngsoe Library Mate™ 2100 is built to endure outdoor weather conditions. Robustness is ensured by the steel and aluminum front and high-quality touch screen.

The door hatch protects the induction interior and the library from the weather and unauthorized objects – both in manned and unmanned service hours. The Library Mate 2100 checks materials with the LMS/ILS, provides immediate feedback to patrons and feeds materials into the Sort Mate sorter.

The touch screen offers multi-language functionality, guiding the patrons confidently through the return process. Barrier-free patron access is available in the newest Library Mate software offering specially designed easy-to-read fonts and voice guidance.



FEATURES AND BENEFITS

- Allows for 24 hours of unattended and automatic return of library materials
- Robust design for all climates
- Eliminates repetitive staff tasks
- RFID/barcode options

LYNGSOE ERGO STAFF™ 1200

THE ERGONOMIC STAFF INDUCTION FOR SORT MATE 2000 SORTERS

The Lyngsoe Ergo Staff™ 1200 is a material induction dedicated for staff use. It feeds materials directly into the Lyngsoe Sort Mate sorter at a very high capacity.

The ergonomics are in control, as the induction is easily height adjustable by the push of a button, and the optional shelf offers further comfort.

A clear red/green light in the button guides through the fast and simple check-in process, and can be supported by a touch screen.



FEATURES AND BENEFITS

- Ergonomically height adjustable
- Easy and user-friendly operation
- RFID and/or barcode capability

LYNGSOE LIBRARY MATE™ 5000 (AMH)

WALL-MOUNTED, HEIGHT-ADJUSTABLE SELF-SERVICE RETURN, RENEWAL AND LENDING FOR PATRONS

Height-adjustable by the push of a button the Lyngsoe Library Mate™ 5000 allows a comfortable process for all patrons. Barrier-free patron access is available in the newest Library Mate software offering specially designed easy-to-read fonts and voice guidance.

Integrating into the Sort Mate sorting system or set up as stand-alone, the Library Mate 5000 allows patrons to return materials quickly by themselves, relieving staff from repetitive work. The Library Mate software communicates with the ILS/LMS to change the status of the materials immediately. The touch screen opens up for choice of language and leads the patron comfortably through the return process.



FEATURES AND BENEFITS

- Height-adjustable
- Immediate change of material status
- Multi-language touch screen
- Barrier-free patron access

