

Library Automation

Fast, Reliable and Silent Automation

Automatic quality

Library automation is an important factor for libraries to optimise quality, reduce costs, improve working conditions and to achieve more with a small team. Newton offers systems based on thought-through concepts with attention to important details.

Automatic quality and efficiency for your process...



Experience

Newton has over 15 years of experience in the field of automation. This experience varies from the automation of one single action to big projects where the complete process is automated.

Automation solutions have been successfully created for libraries, pharmacies, hospitals, the automotive industry, electronics and home device industry, internal transport, product handling and distribution centre automation.

Newton has the knowledge and experience you can benefit from...

Automation is essential

For libraries, automation is an essential part of the process. A good automated system is focussed on the client and creates an optimal efficiency, quality and sustainability. Quality will improve and costs will be reduced.

What benefits can automation bring to your library?





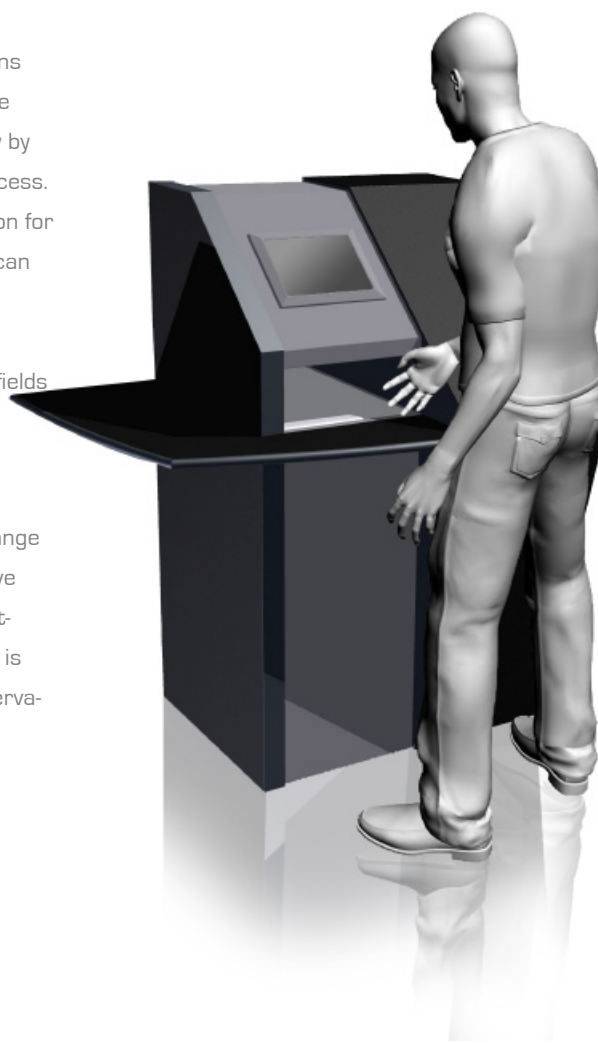
The degree of automation

For every project, the optimal degree of automation is being defined. An answer to the questions "Which actions are we going to automate and which actions will be done manually?". On one side, the process is done completely by hand, on the other side there is the fully automated process. It is important to define the optimal degree of automation for your situation. A situation in which an efficient process can take place.

In this situation, the process has a good balance in the fields of investment, performance, employees and total costs

Reliable and user friendly

By years of experience, knowhow and a large product range of standardised solutions for libraries, the machines have been developed to exceptional reliable systems. Much attention goes out to user friendliness. The user interface is designed to be as easy and clear as possible, with preservation of its functionality.



Indoor check out unit

Fast, Reliable and Silent Automation!

Newton library automation systems have important properties to optimise your process and make it a reliable process.

A sophisticated concept

A good solution starts with a sophisticated concept. Together with the user, the goals and specifications are being defined. Much attention goes out to the development of automation concept by a team of experienced engineers. Multiple alternatives are being created and advantages and disadvantages are weighed. The objective is to create concepts that are as easy and as reliable as possible.

Attention to important details

A good concept only leads to the right end result if all important details are being executed properly. Newton is capable of pointing out all the important details and will execute these in a proper way.

Central role for software

Software solutions have a central role in the whole process. Software can consist of machine control, PLC control, embedded software, PC software, remote control, product databases, stock management, identification systems and interfaces with other systems.

A large product range of standardised solutions

Over time, Newton has created a large product range of standardised solutions from which projects can be build of. Modules for outdoor check out, indoor check out, self service check in, RFID security gates, conveyors, high capacity elevators, automatic sorting systems, auto level trolleys, ergonomic book-carts, RFID solutions and more.

Besides applying standardized solutions, we are particularly aiming for specific challenges

Automatic Sorting System



Delivery program and applications

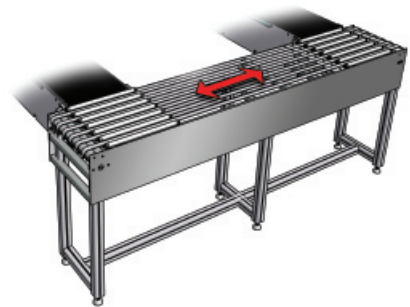
The delivery program consists of module-based systems for outdoor check out, indoor check out, self service check in, RFID security gates, conveyors, high capacity elevators, automatic sorting systems, auto level trolleys, ergonomic book-carts, RFID solutions, stand alone library modules without staff and more.



Outdoor check out unit



Indoor check out unit



Conveyor



High capacity elevator



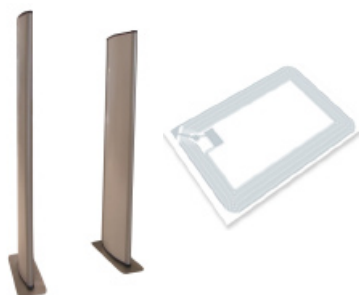
Automatic sorting system



Auto level trolley



Ergonomic book cart



**Self service check in
RFID security gate
Visitor counter
RFID labels**



**Stand alone library module
without staff**

Flexibility

First the process is split up in standardised segments, which then will be connected together. The systems are designed to be as modular and flexible as possible. Future developments are taken into account. In many cases, the process will be automated in several phases in which the degree of automation or the performance will be expanded in the future.

Our procedure

We like to cooperate with you during projects: to analyze your specific situation, to listen to you and to ask questions. To create clear goals and create the best possible solution for you.

Attention goes out to concept design, software and important details, planning and communication.

Specifications are listed and acceptance drawings are being made.

For each project there is a factory acceptance test (FAT) and a site acceptance test (SAT).

At delivery attention goes out to guidance and instructions.

After the site acceptance test approval there is a periodical maintenance to keep your system in perfect condition.

.We make sure your system fulfils

Do you have automation plans?

If you are interested in innovative concepts or if you have an inquiry for a specific solution, contact us now!

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Newton
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