

Automatic Tagging Station

Fully automatic conversion



In the Spring of 2011 Copenhagen Libraries tagged around 1.7 million items in four months with the aid of two automatic Conversion Stations among other equipment. The "tagging machines" were an indispensable tool during this process.

Quote from: City of Copenhagen

Features:

- Fully automatic conversion of barcode-labeled items to RFID.
 - The station applies an RFID tag, reads the barcode of the relevant item and programs the chip according to the chosen data model.
 - The following data models are supported: ISO28560-2 and -3, Danish/Swedish, Dutch, TagVision, French and several others.
 - A reread of the RFID tag ensures that it has been programmed correctly.
 - If an error occurs the conveyor belt stops and an error message is displayed on the touch screen.
 - The station can process approximately 1,000 items per hour.
 - A conversion log file is generated automatically.
- Thanks to the station's embedded algorithm the tags are placed in overlapping positions from one book to another to ensure optimum scanning of stacked items.

mk Solutions GmbH

Bonner Str. 484-486
50968 Köln - Germany
Phone +49 221 888 254-0
Fax +49 221 888 254-99
info@mk-solutions.com
www.mk-solutions.com

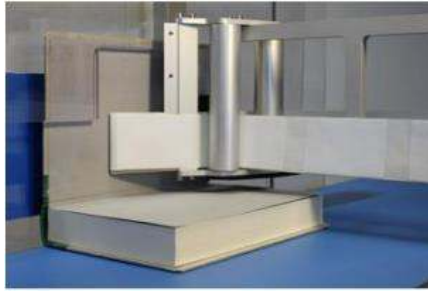


Automatic Tagging Station

Fully automatic conversion



Step 1:
Barcode is scanned by the integrated Barcode scanner



Step 2:
The book is drawn along the conveyer belt and an RFID tag is applied automatically



Step 3:
The book passes the RFID writer which programs the barcode number into the chip

Technical details:

Dimensions

1300 mm x 800 mm x 1450 mm

Description

Conveyor belt with lockable wheels, fitted with

- RFID label applicator
- Barcode reader RFID reader and antenna for chip programming
- 8" color touch screen
- PC with Windows
- Pro license and conversion software
- Motor control unit with emergency stop

Connection

230Volt

Power consumption

Approx. 180W

Capacity

Approx. 1000 books per hour

Mobility

Can be positioned manually by means of the lockable wheels

Maximum book size

Height: unlimited – Width: 290mm – Thickness: 65mm

Barcode position

Barcodes must be positioned horizontally and in a reasonably uniform manner to obtain the best workflow from the integrated polygon laser scanner. If barcodes are positioned irregularly, a hand-held barcode scanner can be connected (via USB).

RFID Tag Position

The RFID tag is applied on the inside of either the front or the back cover depending on how the book is fed into the station.

mk Solutions GmbH

Bonner Str. 484–486
50968 Köln - Germany
Phone +49 221 888 254-0
Fax +49 221 888 254-99
info@mk-solutions.com
www.mk-solutions.com

