

Address Digitalization Station

Efficient address reading and sorting for residual mail



The challenge

Automatically processing each and every piece of mail and small parcel is rarely feasible. This requires personnel with solid knowledge of delivery routes to manually prepare letters, flats and parcels. The need for such specialists makes processes less flexible and more expensive.

Our solution

Address Digitalization Station (ADS) is a semiautomatic system that brings the sophisticated recognition system commonly found in automated processing environments to delivery preparation and pre-sorting. By leveraging advanced recognition and pre-sorting capabilities, ADS turns the manual handling of letters, flats and small parcels into a more efficient and accurate process.

ADS incorporates various devices, such as a touch screen, a fixed camera, a handheld scanner and a label printer. These are combined with existing sorting racks where the items are placed into corresponding trays.

Körber's advanced ARTread recognition and address reading software takes images of the items and resolves them. The full spectrum of state-of-the-art recognition capabilities enables semi-automatic processing. After addresses, 1D or 2D codes are detected and read, the number of the corresponding trays are shown on the monitor and printed on labels.

The operator pastes the machine-readable labels on the shipments and places them in the correct trays. The ADS thus ensures efficient manual sorting and also offers the possibility that shipments can be reintroduced into the automatic sorting process.

Customer benefits

- Improved productivity in delivery preparation and pre-sorting
- Ease of use, requiring no special operator knowledge
- Reduction in misdeliveries through high accuracy
- Return to automatic processing possible through applied barcodes
- Optional services such as return-to-sender and address forwarding, are available
- Significant decrease in volume of manual rest-mail sorting due to the return of shipments to automation
- Minimal footprint



Technical data

Nominal throughput	up to 1,200 mail pieces per hour
Camera	Monochrome 5 megapixel
Label printer	Supports devices for printing 1D and 2D codes label spender, liner rewinder
Handheld scanner	Used for image capture and OCR (optional)
Touch screen	Color screen with loudspeakers 15.6"/1920x1080 pixel
Power rating	230 V, 50 Hz, ~ 750 W
Computer	Standard desktop or industrial grade PC, Windows 10

ADS increases the speed and efficiency of:

- Manual sorting of letters, flats, small parcels incl. non-machinable items
- Outward, inward and sequence sorting
- Processing of returns and redirected items
- Reading of digital postage for revenue protection
- Registration of non-machinable items for tracking services
- Sorting of non-readable and bulky shipments as well as hospital goods
- Parcel sorting for registration at the parcel hub and identification at the delivery unit
- Parcel drop-off in retail offices

