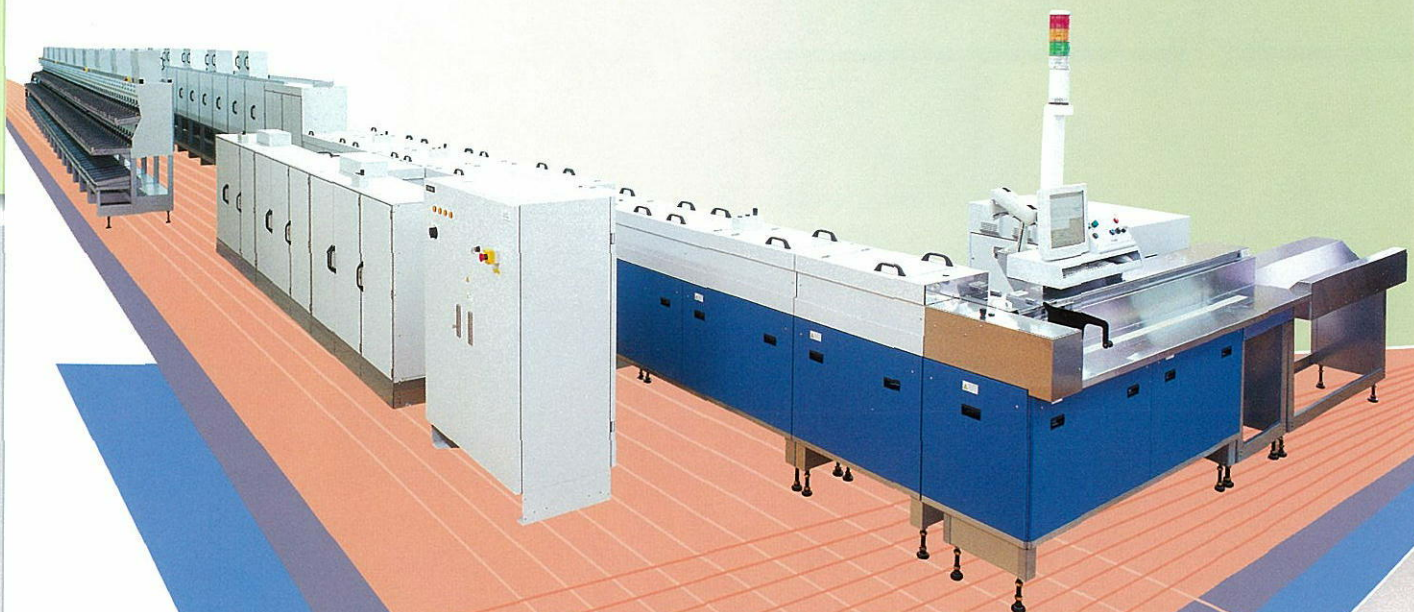


TOSHIBA

New OCR/VCS Integrated System

TT-1100 *SERIES*



Toshiba is proud to introduce the new
Toshiba TT-1100 OCR/VCS
Integrated Letter Sorting System (OVIS)

This is the latest
model OVIS,
incorporating
the latest technology
produced by
Toshiba Corporation.

TT-1100 *SERIES*

New OCR/VCS Integrated System

Overview

The TT-1100 is a high speed mail sorting system with OCR and On/Offline video coding capabilities, suitable for large-scale mail-centers. The TT-1100 recognizes the postcodes and addresses on mail pieces, both in machine printed and handwritten, and then sorts the pieces into multiple cubicles in order.

Ergonomics Human Interfaces

Ergonomics has been well considered in designing TT-1100, to reduce the noise level to as low as only 67dB at the feeder and stacker sections.

Function Versatility

- TT-1100 modular and PC-based architecture can be delivered with many functions;
- OCR capability adjustable upon request by parallel-processing PC configuration for cost efficiency.
 - Barcode printing and recognition in fluorescent or black ink (that of pre-printed, too), in Bar-No-Bar and many types of 4-state formats.
 - Error correction such as Reed-Solomon.
 - Culling, facing and stamp canceling capabilities to integrated mail processor.
 - Label printers, low or high-definition stacker display screens, etc.

Configuration Versatility

- Modular mechanical and electrical design in many configurations.
- Sorting cubicles - both stackers (1,2, and 4 level configurations) and bins(6 level configuration) upon the customers requests.
- Figure on the previous page shows a 304 stacker-machine with the stackers on two levels.

IT Versatility

- PC-based architecture and use of off-the-shelf standard IT technology;
- Connection into existing postal information networks to exchange operating statistics, sort plans, operational status, and other information with a host computer.
 - Remote maintenance and monitoring functions.

TOSHIBA

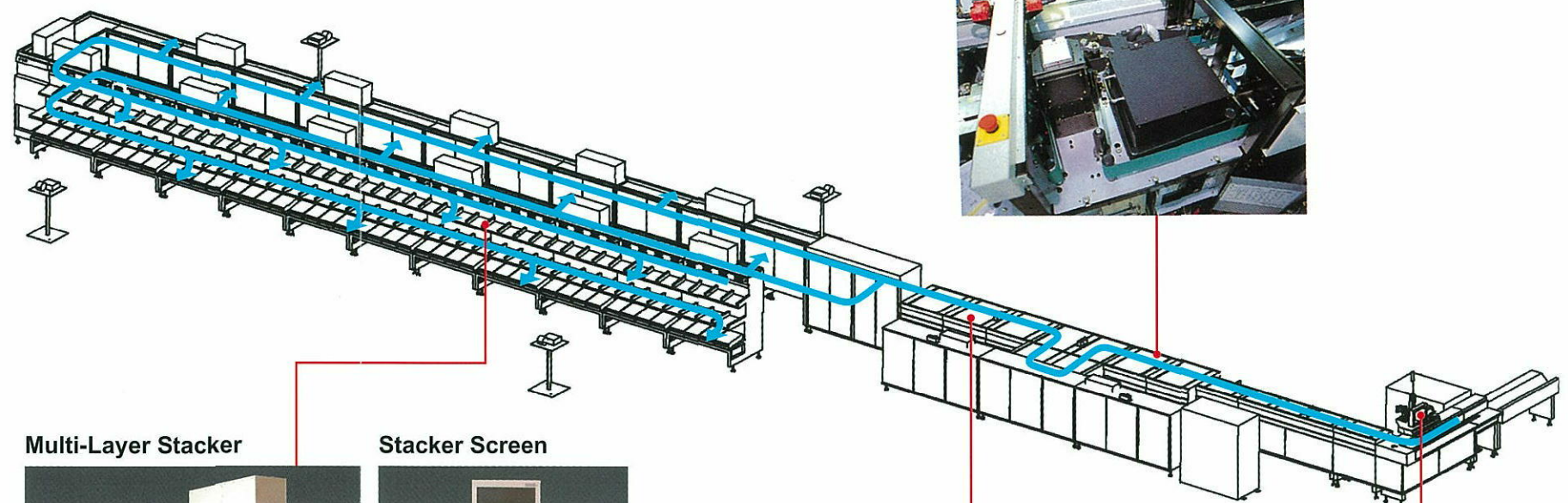
OCR-Recognition Unit
(Primary, Secondary..)



Video Coding System
(On / Off-Line)



Image Capture



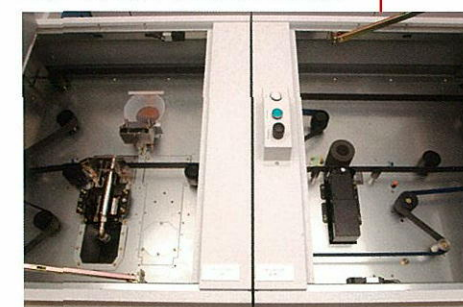
Multi-Layer Stacker



Stacker Screen



Bar-Code Printer/Reader



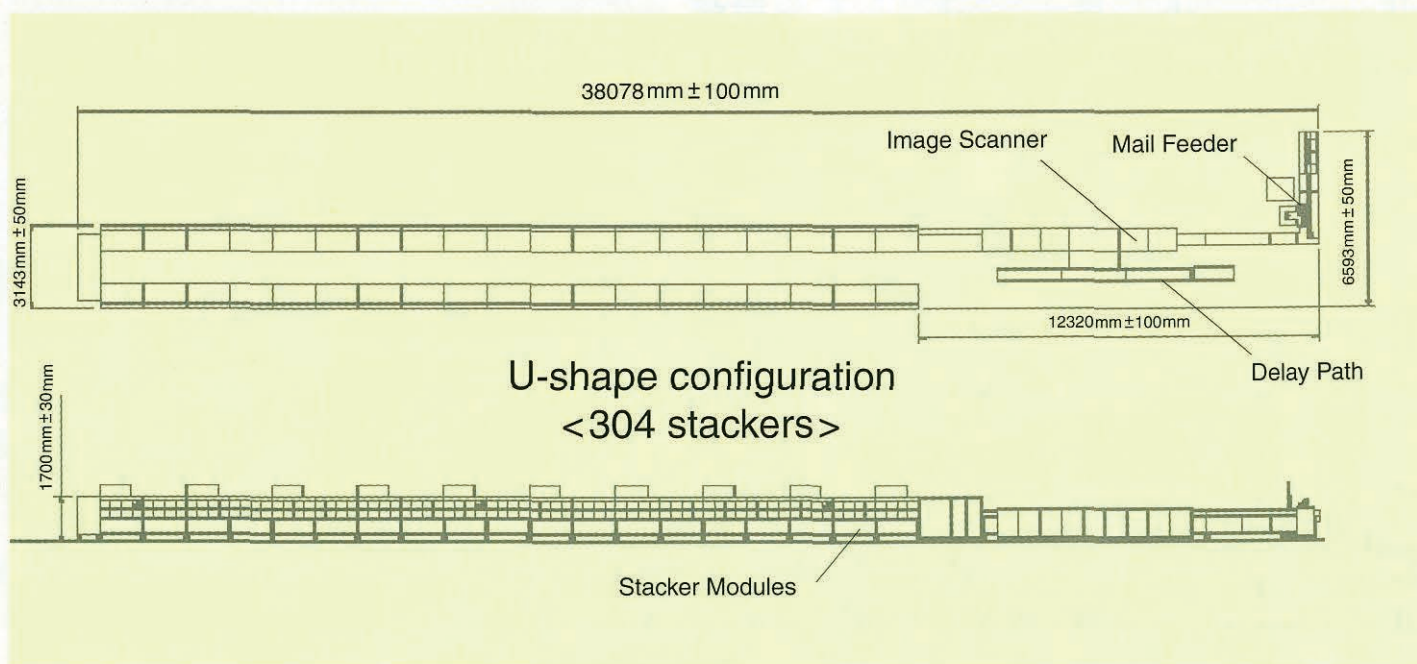
Mail Feeding Section



Overall Cost Efficiency

- A simplified design to reduce numbers of mechanical parts, and those wear-outs.
- Electricity saving functions such as stopping unnecessary rollers thorough the operation.
- About a half lower electricity consumption of Toshiba's preceding models.
- Less parts replacement and fewer malfunctions.

Overall View



Summary of “Standard” Specifications

■ Acceptable Mail Size

	Minimum	Maximum
Length(L)	135mm	250mm
Width (W)	85mm	178mm
Thickness	0.15mm	6mm
	(unpressed condition)	
Weight	2g	50g

■ Feeder Capacity

More than 40,000 mail pieces per hour
(Average mail length is 210mm)

■ OCR Recognition Capability

Carrier Sequence Level

■ Sorting Cubicle Types

Stacker-type (1, 2, or 4 levels: capacity 250 to 500mm)
Bin-type (6 level, 110 mm)

■ Readable Postal and ID -Tag Barcodes

Format : 3 out of 5 Code, 4 -State Code, etc.
Ink Type : Fluorescent, Black, etc.

■ Number of Sorting Programs

999 Sorting Programs Maximum

■ Noise Level

Fixed Work Places: Less than. 67dB (A)
(Weighting A and Slow)

■ Power Supply Requirements

380 to 420VAC, 3-phase (Machine Power Supply)
110 to 240VAC, single phase (PC Power Supply)

■ Power Consumption (approximate)

15kVA (304-Stacker Configuration)

■ Applied Standard

SIS, CEN, EN, JIS or ISO standard

■ Environmental Conditions

Ambient Temperature 10 °C to 35 °C
Relative Humidity Up to 80% (non condensing)

■ IT Communication

Communication with Host servers and other terminals is performed via the Information System PC of the TT-1100.

Specifications are subject to change without prior notice.

TOSHIBA INFRASTRUCTURE SYSTEMS & SOLUTIONS CORPORATION

Security & Automation Systems Division

72-34, Horikawa-cho, Saiwai-ku, Kawasaki-shi 212-8585, Japan

Tel: +81-44-331-1686 Fax: +81-44-548-9552

<http://www.toshiba.co.jp/sis/en/scd/postal/postal.htm>