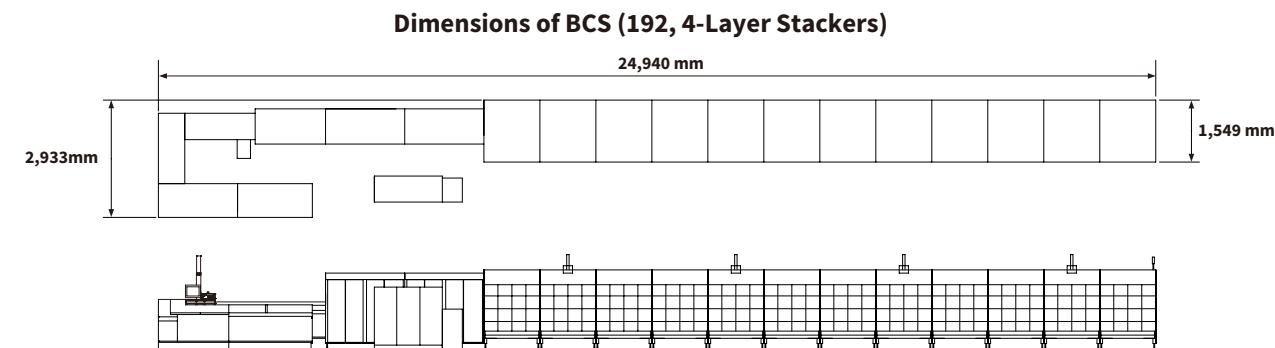
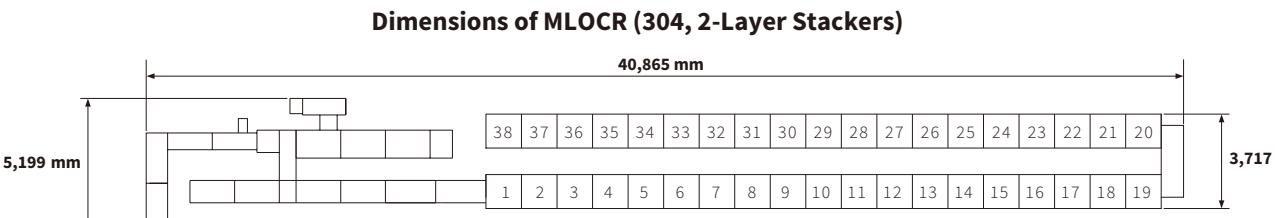




**Manual mail sorting made us exhausted.
We used to keep moving all day long ...**

Overall View



Standard Specifications

- Acceptable Mail Size
 - muminim mumixaM
 - Length (L) 135 mm 292 mm
 - Width (W) 85 mm 170 mm
 - Thickness 0.15 mm 6 mm
 - (Unpressed Condition)
 - Weight 2 g 100 g
- Nominal Throughput
 - Up to 55,000 mail pieces per hour
(depending on mail size)
- OCR Recognition Capability
 - Up to carrier sequence level
- Sorting Stacker Types
 - Stacker type (1, 2, or 4-layer: Capacity 250 to 500 mm)
Bin-type (8 level: Capacity 70 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
 - Maximum 999 sorting programs
- Power Supply Requirement
 - 380 VAC (+10%, -10%), 3-phase (machine power supply)
 - 120 VAC (+10%, -10%), single phase (PC power supply)
- Power Consumption (approximate)
 - 36 kVA (304 configuration MLOCR)
 - 28 kVA (304 configuration BCS)
- Environmental Conditions
 - Ambient temperature: 10 °C to 35 °C
 - Relative humidity: 25% to 80%
- IT Communication
 - Communication with the host servers and other terminal is performed via the TT-1200's information system PC.
- Functional Option
 - Forwarding function
 - Cancellation function
 - Revenue protection function, etc.

Note: Specifications are subject to change without prior notice.

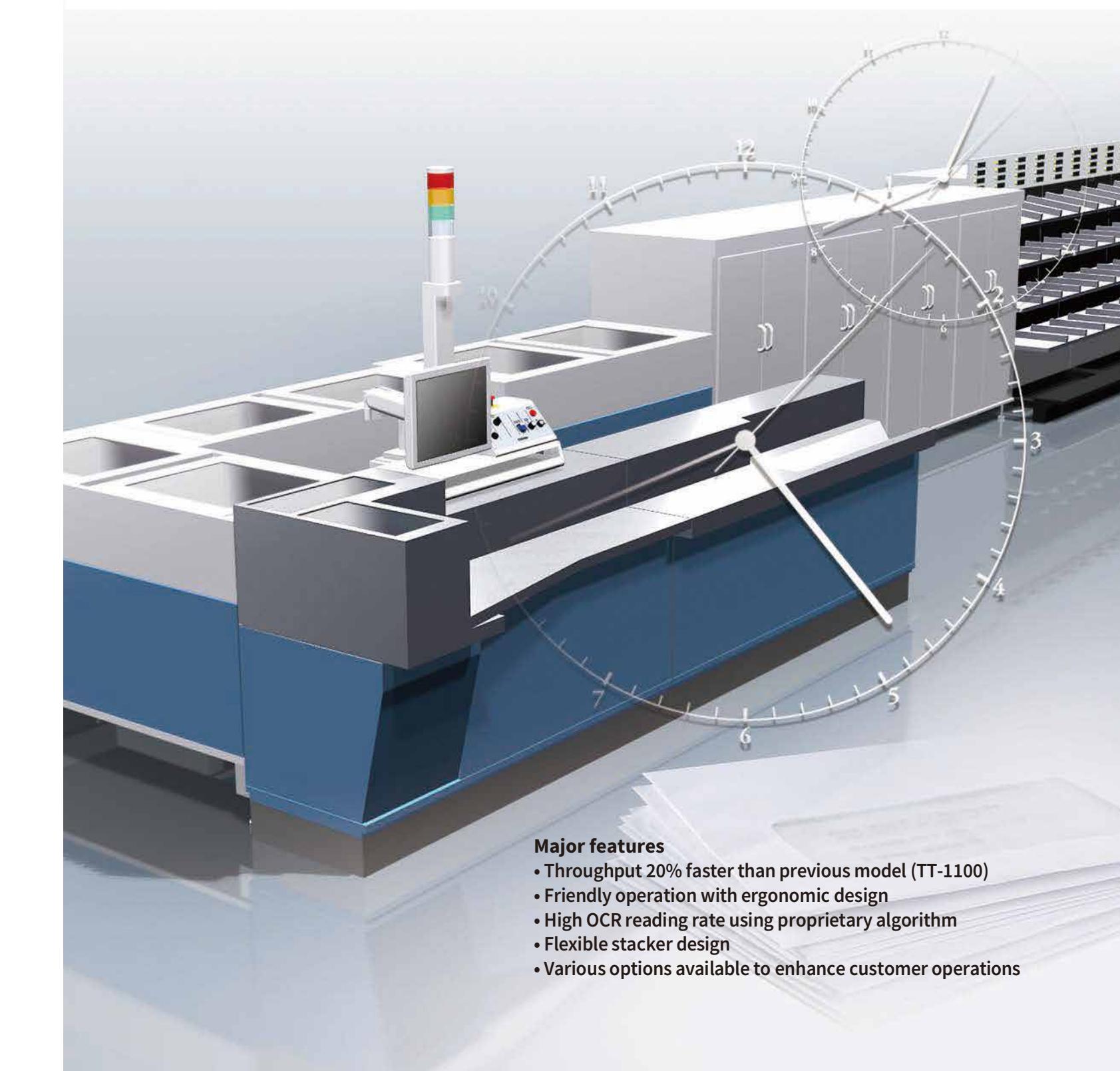
Note: When using the TT-1200, please be sure to read the instruction manual carefully to ensure correct equipment usage.

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TOSHIBA

High-Speed
OCR Letter Sorting Machine
TT-1200



Major features

- Throughput 20% faster than previous model (TT-1100)
- Friendly operation with ergonomic design
- High OCR reading rate using proprietary algorithm
- Flexible stacker design
- Various options available to enhance customer operations

History of Toshiba's OCR Letter Sorting Machine

Toshiba started the development of OCR letter sorting machines in 1966. In 1967, we developed an outward sorting machine capable of reading handwritten postal codes. In 1989, we developed an inward and outward sorting machine that could read handwritten and machine printed addresses and postal codes. In 1998, we installed our first carrier sequence sorting machine at the Japan Post. Since 2000 we have delivered our equipment as follows:

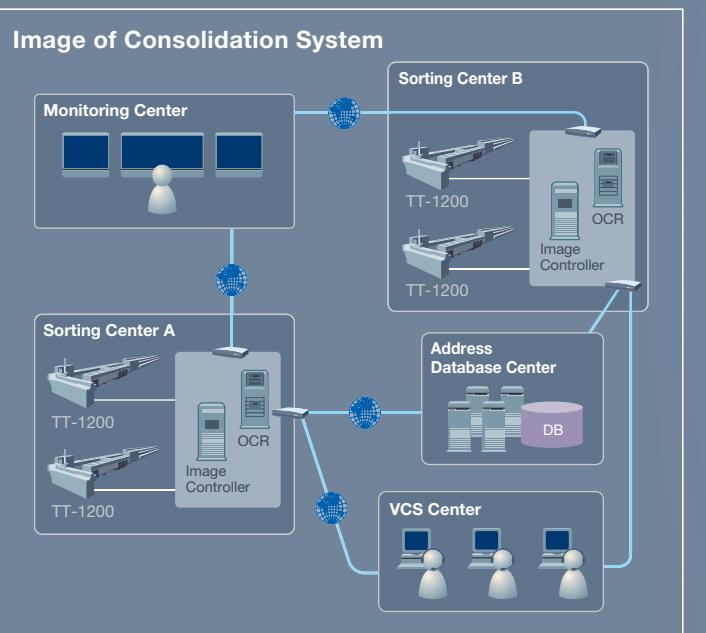


Custom Solutions

The recent decrease in mail volume over the world means that the competition in each country is escalating. Under these circumstances we know that our customers are demanding new functions which allow them to minimize their expenses and provide new services to their end-customers. To meet this challenge, we at Toshiba not only supply the letter sorting machine hardware but are capable of providing solutions to fit various customers' needs. The following options are available to our customers:

- Carrier Sequence Sorting by two path method
- Consolidation OCR System
- Forwarding Function
- Revenue Protection Function
- Track and Trace Function
- Advertisement Printing Function
- Centralized Data Management and Remote Maintenance
- Area Operation Planner
- Web Video Coding System

Toshiba is open to exploring new solutions with customers at any time in addition to the listed options.



Overview

The TT-1200 is a high speed letter sorting machine developed based on Toshiba's previous letter sorting machine "TT-1100" model. The TT-1200 has both OCR and on / off-line video coding capabilities and recognizes both handwritten and machine printed postal codes and addresses then sorts the mail accurately in multiple stackers.

Ergonomic Human Interface

We worked together with our customers to design the TT-1200 ergonomically. By using an ergonomic simulator, we analyzed the way operators move to help reduce the operators' workload.

Functional Versatility

The TT-1200 modular and PC-based architecture can be delivered with various functions:

- High OCR reading rate achieved with Toshiba's unique algorithm.
- Inward sorting, outward sorting, and carrier sequence sorting all available in one machine.
- Bar-code printing by an ink jet printer (JP).
- High bar-code reading rate with Toshiba's own bar-code reader.
- Error correction system available (such as Reed-Solomon).
- Label printers and high definition stacker display available for stacker section.
- Various optional functions such as forwarding, canceling, revenue protection, etc.

Configuration Flexibility

- Modular mechanical and electrical design in many configurations.
- Sorting stackers – stacker (1, 2 and 4 level configurations) and bins (8 level configuration) upon customer request.

IT Compatibility

PC-based architecture uses off-the-shelf standard IT technology:

- OCR capability adjustable for cost efficiency upon request by a parallel processing PC configuration.
- Connectivity to existing postal information networks to share operating statistics, sort plans, operational status, and other information with the host computer.
- Remote maintenance and monitoring functions.

Overall Cost Efficiency

- Electricity saving functions such as the stopping of unnecessary rollers during the operation.
- Lower electricity consumption.
- Low maintenance costs achieved by fewer parts replacements, various maintenance support tools, and fewer failures.

