



OMRON TRANSACTION SYSTEMS, INC.

55 E. Commerce Drive  
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## **A Few Reasons Why HITACHI-OMRON Recyclers Are Superior!**

- 1. Speed:**  
Approximately 7 notes per second.
- 2. Capacity:**  
Approximately 2,500 new notes per recycling cassette x 4 and approximately 600 notes reject/overflow cassette x 1.
- 3. Size:**
  - 36"H x 18"W x 38"D for US-ABIO.
  - 30"H x 13.5"W x 31"D for EX-BH2.
- 4. Installed Base:**  
Approximately 66,000 units sold worldwide.
- 5. Experience:**  
Approximately 25 years experience manufacturing recyclers.
- 6. Reliability:**  
HITACHI and OMRON products are known for quality.
- 7. Established Company:**
  - HITACHI was founded in 1910; Approximately \$82.2 billion net sales in 2004 with 326,000 employees worldwide.
  - OMRON was founded in 1933; Approximately \$5.5 billion net sales in 2004 with 24,000 employees worldwide.
- 8. Jam Ratio:**  
We have an expected jam ratio of 1 jam per 20,000 to 30,000 notes depending on the condition of the notes.
- 9. Expected Repairs:**  
We have an expected repair call rate of less than one call per machine per year where a repair is made or a part is replaced.
- 10. Wear Item Replacement Cycle:**  
Most wear items (like belts) have a periodical replacement cycle of 4 or more years .

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**11. Intelligent Sensor Technology:**

The machine makes automatic sensor adjustments to compensate for dust/dirt build-up on the sensors to extend the time between cleanings and Periodical Maintenances (PM's).

**12. Accessibility:**

The machine is designed to allow easy access to all note transport areas so that any jam can be cleared by the operators (not requiring a technician).

**13. Easy to Service:**

The machine is designed to allow all Field Replaceable Units (FRU's or sub-assemblies) to be exchanged and tested in 30 minutes or less.

**14. Cleaning and Maintenance:**

Cleaning the machine is expected every 120,000 notes or 3 months and PM's are expected every 240,000 notes or 6 months, whichever is earlier.

**15. Very Detailed Documentation:**

We provide advanced training tools (video and documentation) to allow the operators to perform basic cleaning (depending on the customer).

**16. Easy to Integrate, Operate, and Maintain:**

We provide highly advanced middleware which automates identifying problems, clearing jams, and jam recovery which include description of problem, picture guidance, and video/voice guided recovery procedures.

**17. Superior Note Identification Technology:**

The machine can detect the "Super K" or "Super 100" counterfeit notes. This is a 100% original technology of HITACHI and OMRON (not from any third party).

**18. Cassette System, Not Drum:**

The machine provides more flexibility for loading/unloading of notes. Cassettes can also be removed for transportation, more secure storage, or manual loading/unloading of notes.

- More familiar to armored carriers.
- More reliable and less catastrophic if a failure such as jam does occur in the machine.

**19. Highest Total Machine Capacity:**

10,600 new notes or 8,600 fit notes with 4 x recycling cassettes and 1 x reject/overflow cassette.

**20. Highest Input/Output Capacity per Transaction:**

120 notes in and 100 notes out; loose bundle.