



KARDEX

Kardex Systems Limited



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Buffer storage in automated production processes

- Machine tool breakdowns and maintenance work upset the flow of the Work-In-Progress (WIP), interfere with the process, and increase equipment downtime. The result is lower productivity and hence higher cost!
- Carefully planned WIP buffer-storage allows machine tool breakdowns to be repaired and planned maintenance to be carried out whilst ensuring high output levels.
- A major manufacturer of electronic consumables recognising the importance of buffer storage integration in the production process has requested **PSB Corporation** of Singapore to design and deliver automated storage and retrieval of in-process sub-assemblies in a space saving vertical storage system.
- **KARDEX SYSTEMS LTD** and **PSB Corporation** of Singapore have successfully worked together in meeting the customer's requirements for high capacity and high throughput by delivering special **SHUTTLE** solutions integrated directly in the production process.



- Integration of the **Shuttles** in the production process is achieved with **PSB** robotic handling and conveyor systems.
- Since the first order for 6 Shuttle units in April of 2000, **KARDEX SYSTEMS LTD** and **PSB Corporation** have successfully delivered and installed 53 such units to this customer with the scope of more units to be delivered in the foreseeable future.