

Storage
Order Picking
Handling & Automation

Case Study 031

Electronics



ERGONOMIC RETRIEVAL OF PROJECTION SYSTEMS

The Customer

Christie is a global visual technologies company offering diverse solutions for business, entertainment, visual environments and medical industries. With over 100,000 projection systems installed worldwide, Christie technologies include solutions for cinema, large audience environments, control rooms, business presentations, training facilities, 3D and virtual reality, simulation, education, media and government. The manufacturing facility in Kitchener, Ontario, Canada is the worldwide center for advanced manufacturing of all Christie projectors.

Further Information:
www.kardex-remstar.com



1

Task definition

The manufacturing process at Christie is based on the Kaizen Lean Manufacturing philosophy that focuses on continuous improvement processes and the 5S methodology. With over 18,500 m² of production space at capacity, the certified ISO 9001:2000 and ISO 14001 facility needed more room to keep up with the growing number of customer orders.

2

Solution



Christie installed two Shuttle XP from Kardex Remstar, each occupying only 16.70 m² of floor space. In addition to a 70% floor space savings, the Shuttle helped Christie double storage capacity. With each projector weighing approximately 24 kg, the vertical lift module is equipped with an automatic tray extractor, allowing all projectors to be accessed with an ergonomic hoist: no lifting, pushing or pulling is required by the operator.

4

Advantages at a glance

- Each Shuttle XP occupies only 16.70 m²
- Doubled storage capacity from 100 Projectors to 200 projectors in inventory
- Increased productivity from 15 minute retrieval time to 1 minute retrieval time
- Safe and ergonomic picking with automatic tray extractor and hoist
- Custom built projectors with 24-hour order turnaround time

3

Process description

We would be delighted to explain the different processes in detail in a personal consultation.

5

Scope of delivery

- 2 Shuttle XP 500 (W x D x H: 2,780 x 3,074 x 4,572 mm)
- Automatic tray extraction
- Handling device



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