THE CUSTOMER

TransGlobal Freight Management Ltd is one of the UK's leading independent international freight forwarding companies.

TransGlobal®
50th Anniversary 1970–2020

REQUIREMENTS

To design, manufacture and install a Put-to-Light system to sort an incoming bulk shipment by postcode into shipping bags.

RESULTS

- Reduced shipping errors: the right parcels are placed in the right location every time

- Faster sorting times

- Scalable: the flexibility of the system allows for easy reconfiguration and expansion

THE CHALLENGE

With future growth expected and a need to better accommodate seasonal peaks in order volume, TransGlobal's management team began to research order fulfilment solutions that could support the increased throughput.

Specifically, the company sought to implement a semi-automated **order sorting system** that would allow 2 operators to sort the individual parcels of a bulk shipment into bags.

Their goal was to significantly **improve processing speed and accuracy.**

Put-to-Light order sorting system

THE APPROACH

TransGlobal's team chose to partner with Sorion Electronics for an order sorting system based on the company's experience, the flexibility and ease of use of the Sorion system and support offered.

After evaluating TransGlobal's business needs and budget, Sorion designed and built a **Put-to-Light system** including a sorting rack consisting of 45 compartments.

The Put-to-Light process engineered by the Sorion team is a simple and effective solution for breaking down batch picked products into smaller individual orders.

To allow for two simultaneous operators, each compartment was fitted with 2 light indicators that correspond by colour to a specific operator barcode reader (red and blue).

The system is controlled by Sorion's Sextans software, from driving the light indicators to printing the shipping labels.

THE SOLUTION

When a batch of parcels to be sorted arrives at the Put-to-Light station, the operators will scan each item individually.

For each parcel scanned the light module on the correct bag destination is illuminated, allowing operators to **place the item in the right location every time.**

Bags are attached to the sorting rack using a hooking method for ease of removal and replacement.

Once an item is placed, the operator will confirm task completion by pressing the button on the light module or by activating the detection finger.

When a bag is full, the operator scans the barcode above the bag which will initiate the printout of a label to be affixed.

This process is repeated until all items are consolidated in the correct bags. When the shipment is complete, the system generates an output file to the supplier's requirements detailing the sorting that has occurred.

RESULTS

Before the Put-to-Light system was introduced, operators had to go through paper-based records and match parcels to orders manually. Mistakes couldn't be completely avoided.

Since the installation of the Put-to-Light system in 2020, TransGlobal was able to **remove errors** in the order sorting process and significantly **improve processing speed**.

An added benefit of the intuitive, visual sorting system is that it requires **minimal training** for new employees and temporary staff.

ABOUT SORION

Founded in 1990 and with equipment installed and operated by major OEMs and Tier 1 suppliers around the globe, Sorion Electronics has an established reputation for innovation, quality and reliability.

Your Partner for:

- Guided Assembly Process Control
- Autonomous Mobile Robot Systems
- End of Line Test Systems
- Ruggedised Electrical Connectors & Harnesses
- Quality and Traceability Reporting
- Electronic Product Design and Development

THE SORION SOLUTION

Sextans controls the process

The operator scans the barcode on each item

The lights indicate where the items need to be placed

Bags are attached to the rack using a hooking method for quick removal