![Omnicell®]

How the part pack feature of Omnicells' Universal Logistics Management (ULM) streamlined one-stop-dispensing and has freed up staff time.

Customer Profile

Morriston is one of the largest hospitals in Wales with around 720 beds. It is the regional acute tertiary hospital for South West Wales, offering a range of specialist services. Morriston has one of the busiest emergency departments (A&E) in Wales. The hospital pharmacy provides information and advice on all aspects of drug therapy to healthcare professionals working in the Trust's hospitals and within the community. The service and set up of the pharmacy are suitable to serve inpatient and outpatient requests. The central pharmacy has been moving towards a technician-led organisation in the past years. Automation and two Omnicell robotic storage systems have helped to smooth the pharmacy's workflow and have resulted in faster work turnaround.

The Problem

The hospital supply patient medicines using one-stop-dispensing (OSD), which leads to part pack handling in the pharmacy. The current process of returning part packs into the storage and dispensing robot is time consuming and error prone. As a result, pharmacy time is spent on operational and repetitive tasks.

The Solution

Omnicell has introduced a middleware, called Universal Logistics Management (ULM) for seamless medication management automation in conjunction with a Robotic Dispensing Solution (RDS). It acts like a universal translator facilitating communication between various applications from different software systems into the robot. The "Part Pack" module further automates the part pack handling in the central pharmacy and enables seamless return into the robot.

"We are really happy with the new process."
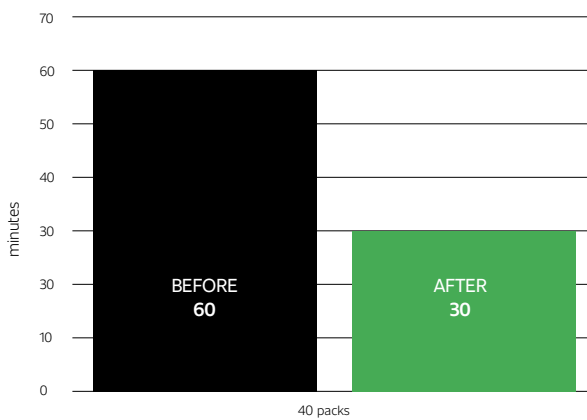
Senior Pharmacist Technician

Results

Processes of returning park packs to the Omnicell RDS before and after implementation of ULM.

Process before implementation of ULM	Process after implementation of ULM
Part pack needs to be scanned	Part pack needs to be scanned
At the terminal of the robot the restock quantity must be entered manually	Enter manually restock quantity on device/laptop/computer
	ULM speaks directly to printer and prints label. Override existing label with new one
Restock manually only via Fill-in-Door by putting pack on the shelf; one by one	Restock automatically via Fill-in-Box. Several packs at the same time can be loaded into the hopper of the Fill-in-Box
40 packs > 1 hour	40 packs < 30 minutes

Time for returning part packs into the robot before and after ULM implementation

- Significant reduction in increased pack splitting – before the implementation of ULM it was difficult to know which medication packs had already been opened resulting in another box of the same medication to be opened which was causing significant more packs opened, roughly 100-120 per day. As Omnicell robot dispensing system stores and manages the part packs, the team can easily find out if a medication pack has already been opened, therefore a new pack is only opened if required.

- New process leads to savings of £7,171.25 per annum on personal. Band 3 midpoint band is £13.10 so effective daily saving is 1.5 hours, counting the time only for returning part packs into the robot.

>£ 7,000	50%	up to 100%
Savings per year ROI < 3 years	time saving to return part packs into the robot	reduction in increased splitting waste

Contact your Omincell sales representative or email automationsalesuk@omnicell.com to find out more today.

www.omnicell.co.uk