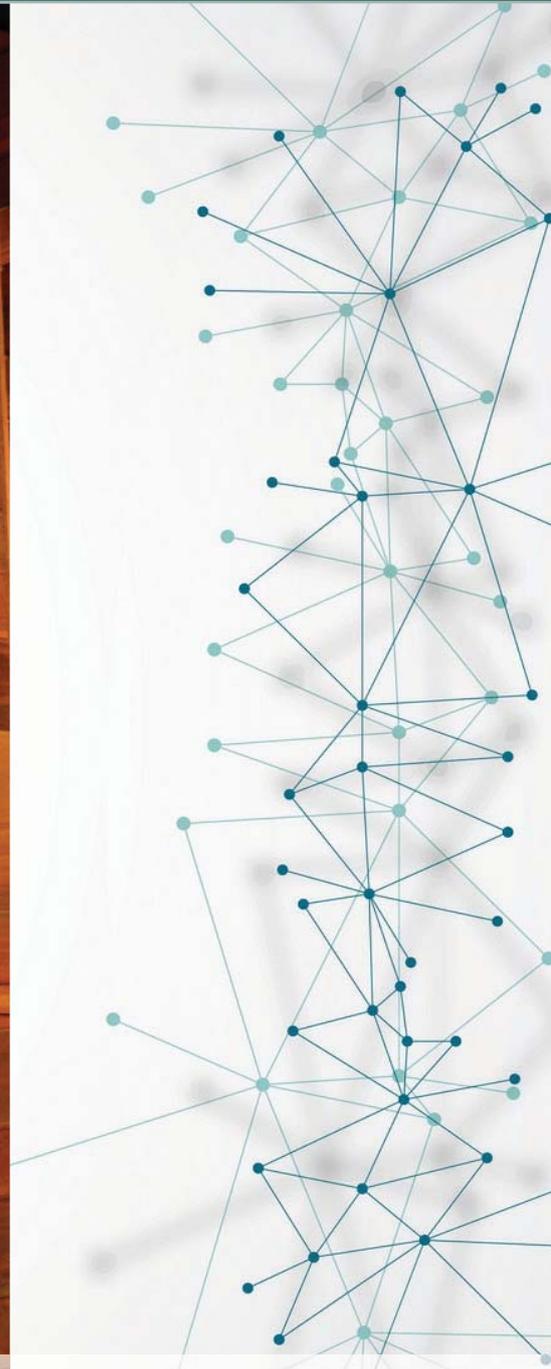


# Return Bins & Chutes, Controlled Access and AMH



AMH Internal Returns



Automated Manual handling (AMH)



Engineered Solutions



OutDoor Returns Bins

# Returns Bins



## RFID ACTIVATED OUTSIDE RETURNS BIN

Any book with an RFID tag will activate the door  
(low voltage power for safety)  
1650mmH x 800mmW x 980mmD

**ELECTRIC UNITS CAN ALSO BE BUILT WITH BATTERY AND SOLAR PANEL REMOVING THE NEED FOR MAINS POWER**



## LARGE OUTSIDE RETURNS BIN FS2001

1600mmH x 900mmW x 1200mm D  
Fits Large Metal Dump Trolley TR2600  
Sold Separately - Details below.



## RETURNS TROLLEY WITH BIN TR2200

1. & 2. Custom made TR2200M  
3. Standard  
Dimensions:  
695mmH x 425mmW x 840mmD  
Bin size:  
415mmH x 400mmW x 645mmD



## SMALL OUTSIDE RETURNS BIN FS2006

1500mmH x 732mmW x 875mm D  
Fits Small Metal Dump Trolley TR2601  
Sold Separately - Details below.

Bins are custom manufactured and built to order available in a large range of powder coat colours or polished Stainless steel.



## LARGE METAL DUMP TROLLEY

TR2600  
1050mm x 750mm x 830 High  
The large trolley issued to the large outside bin and is available separately.  
Capacity is approximately equal to 3 Timber Dump Trolleys.



## TIMBER DUMP TROLLEY

TR1100  
775mmH at back, 675mmH at front  
X 600mmW x 560mmD

## LOCKABLE DUMP TROLLEY

CUPBOARD FC1100  
1108mmH X 802mmW X 650mmD  
Returns Slot is 390mm x 75mm  
Doors are 800mmH. Sold Separately.



## SMALL METAL DUMP TROLLEY TR2601

600mm x 650mm x 750mm High  
The small trolley is designed to suit the small outside bin (pictured right) and is sold separately.  
Capacity is approximately 1.5 Timber Dump Trolleys.

# Internal Returns and Controlled Access Returns



Automated Internal Returns (RFID) with AMH Sorter in back room.



Hybrid Internal Returns with Receipt Printer and AMH Sorter in back room



External Returns (RFID)  
Automated After Hours Returns . The RFID or Barcode controlled door opens up when the book is in close proximity (RFID) or when presented to the barcode reader



AMH External Returns with Sorter



Lock off chutes. Available as manual staff controlled lock off or censored lock off when bin is full

# Processing, Sorting and AMH

Patron View



Staff View.



Internal Returns with Receipt Printer. When book is returned it is automatically checked in via AMH - security is reactivated then sorted into three different bins. Options also for 1-256 bin sorters are available.



Fixed Position Height Adjustable Bins Available in powder coated steel or built into Custom Joinery, Our height adjustable fixed position bins are custom built to form part of the returns rooms' furniture.

1. Mobile Steel Self levelling bin
2. Static Timber Self levelling bin



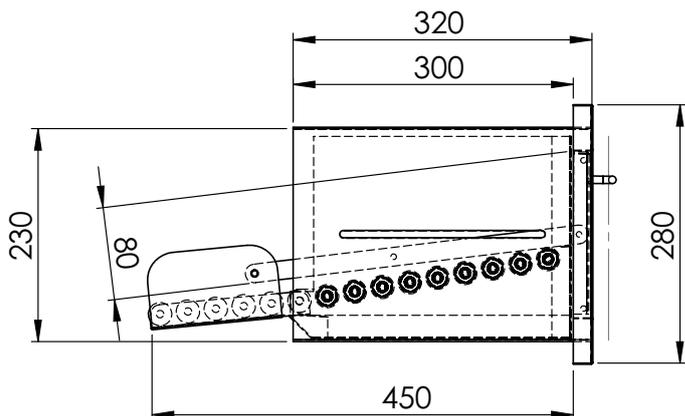
Mobile "E" bins with email or pager alerts to notify staff when a bin is ready to be emptied  
Electronic bins have been designed to reduce WHS concerns and also reduces book damage.  
Bins depress as it fills up with books, relying on sensors and not springs. Books are always at an ergonomic height regardless of shape our size.  
When bin is being emptied and switched to "up" it will automatically rise to keep books at suitable height and ensure staff do not have to lean over bin to remove books  
Bins can hold approximately 4 times the amount of books compared to a normal timber dump bin.



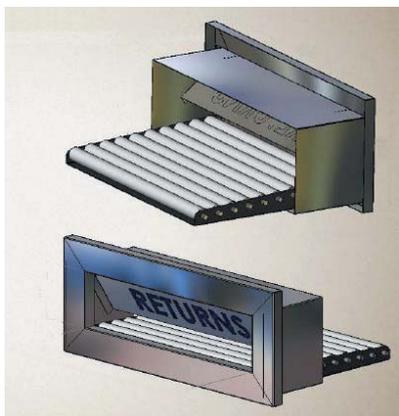
Motorised "E" Bin

With all the features of our Mobile "E" Bins our Motorised "E" Bin has the added feature of electrically assisted propulsion. Design to be user friendly and to comply with modern WHS standard our Motorised E Bin allows for the effortless movement.  
Built with a high quality industrial gel cell battery and comes with its own docking station for recharging. As well as dead man pressure switch for added safety

# Returns Chutes Indoor and Outdoor



FB4204L - Secure Return Chute With Key Lock



Internal Needle Roller Chute  
FB4209  
Signage optional extra.  
Also available without flap FB4213



Return Chute with Custom Weatherguard



Wall Chute - FB4207  
No flap for installations through desk or wall chute.

## FB4290 Through Glass

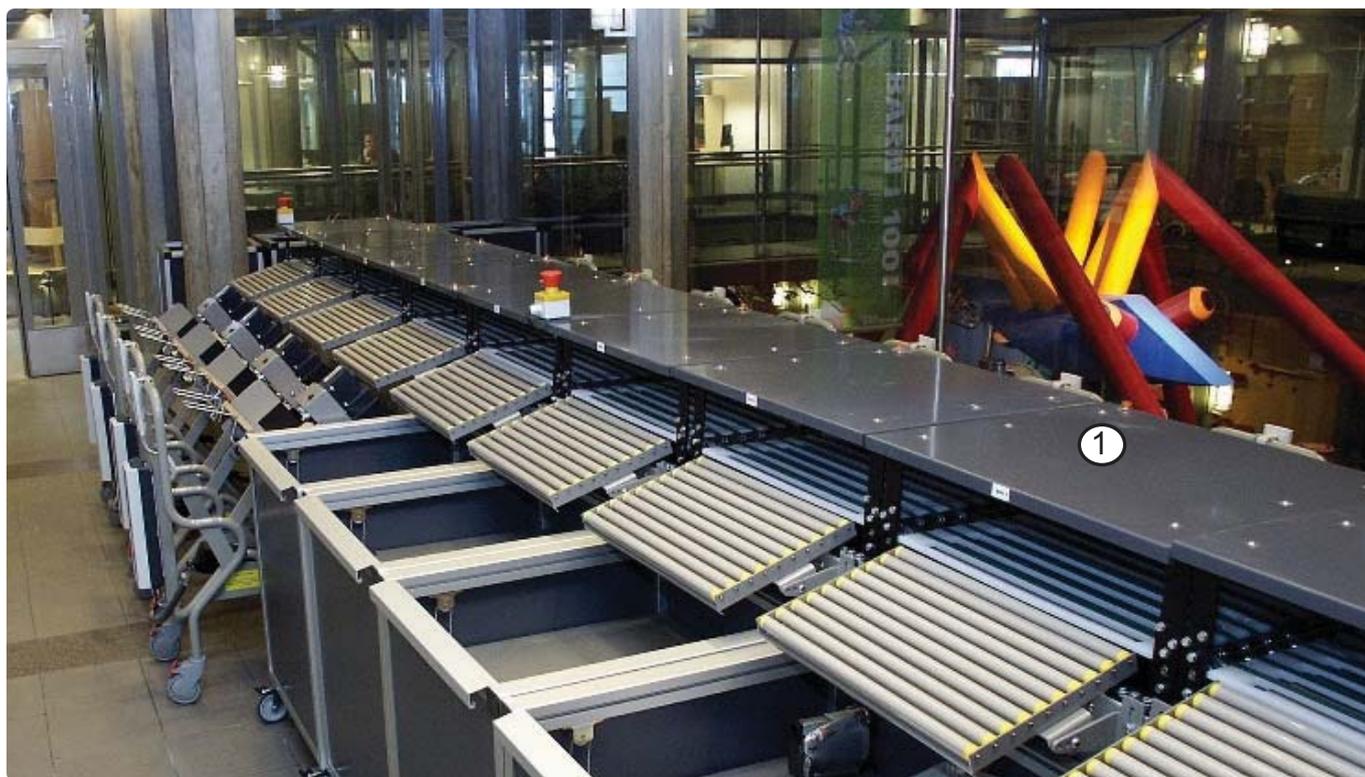


Customised chute built to client specific requirements



Pictured through glass wall.

# Processing, Sorting and AMH



Quantum Libraries has a range of sorting solutions. Sorters are developed for libraries demanding needs and can be paired with automated returns (EM/Barcode and RFID Models Available).

Sorters and automatic returns units enable staff to spend more time on other tasks and duties and greatly reduced WHS hazards associated with repetitive task injuries.

1. Libretto Bins can be configured for 2 to 250 bins. Bin can have multiple inlet feeding it and sorting to multiple outlets (Many to one ,one to many )
2. Compact Super sorter is designed for small spaces and designed to feed three to five bins from one source (Single Inlet)



Roller tables are designed for large organisations receiving high quantities of books in cartons: The courier simply places cartons on the roller conveyor upon delivery.

Book cartons are then gently pushed up to the work bench for processing. Roller conveyors can be made in different shapes and designed to suit each libraries specific needs. Roller tables are custom built and can be made to travel walls to meet up with a bench.



**Library Mate** - consists of a lifter system either beside or built into the bench. Couriers places cartons or tubs on a smart pallet whereby they are loaded onto the Library Mate with a porters trolley alternatively the courier can drop the cartons or tubs onto the special trolley. Customised trolley is wheeled into the Library Mate where the trolley is lifted up until the top tub is at working height - the empty tub is discarded then it lifts up the number two and so on.