



Bulk Redemption Terminal (BRT)



Improved Sorting Efficiency

The Bulk Redemption Terminal (BRT) is an advanced counting and sorting machine designed to provide an efficient way for recycling depots to sort large quantities of containers at once.

Utilising AI vision-based technology, the BRT can accurately count and classify containers of various shapes and conditions without relying on barcode labels.



Detects And Sorts Containers In All Conditions

Leveraged by advanced AI vision-based technology, this terminal can count and classify eligible containers in all shapes and forms without the need of reading barcode labels.

This ensures a smooth operation, setting the BRT apart from competitors.



Crushed Containers



Containers Without Labels



Odd Containers



Containers In Poor Condition



Increased Throughput And Speed

Enhance your facility's throughput with the BRT's high-speed sorting and counting capabilities.

The dual-lane approach ensures a swift and uninterrupted process. Higher volumes of containers can be processed in less time, boosting overall productivity.

Operators place containers that might pose challenges for automatic processing due to their shape or condition, in a second lane. These containers are counted, classified, and sorted efficiently.



Automatically better
www.containerdepositsystems.com.au



Get The Most From CDS Technology



7 Day Service Support

In-house service support and regular preventative maintenance to ensure optimal performance of all equipment.



Auditing

Equipped with audit webcams for transaction recording and behavior monitoring, maintaining privacy and providing detailed reports.

Training

Expert training for Depot Managers and Staff to master the operation of CDS equipment efficiently.



Data Analytics

Real-time monitoring and visualisation of key data, empowering decision making with confidence.



High Recognition Speed

10,609

Containers per hour*

Reliable Technology

99.4%

Counting accuracy*

Accurate Technology

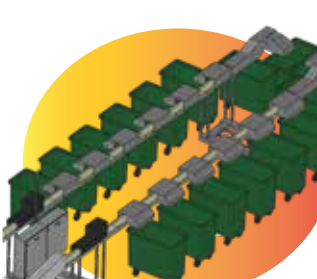
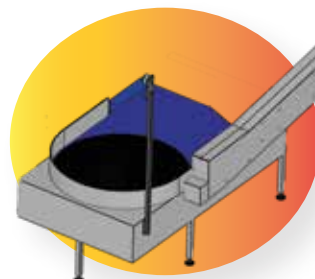
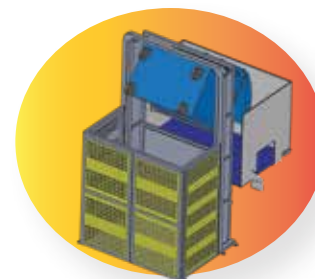
99.8%

Classification accuracy*

Customised To Your Needs

The BRT offers unparalleled customisation to meet the specific needs of your facility.

The terminal is made up of separate modules, allowing you to choose the components that best suit your operation.



Technical specifications

Separations	2 - 8 (Adjustable)
	CAN Aluminium
	CAN Steel
	PET Clear
	PET Coloured
	HDPE
	LPB
	GLASS
	OTHER

Connectivity

External IT interface	LAN, POS compatible, integrated with state-specific scheme
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Hardware

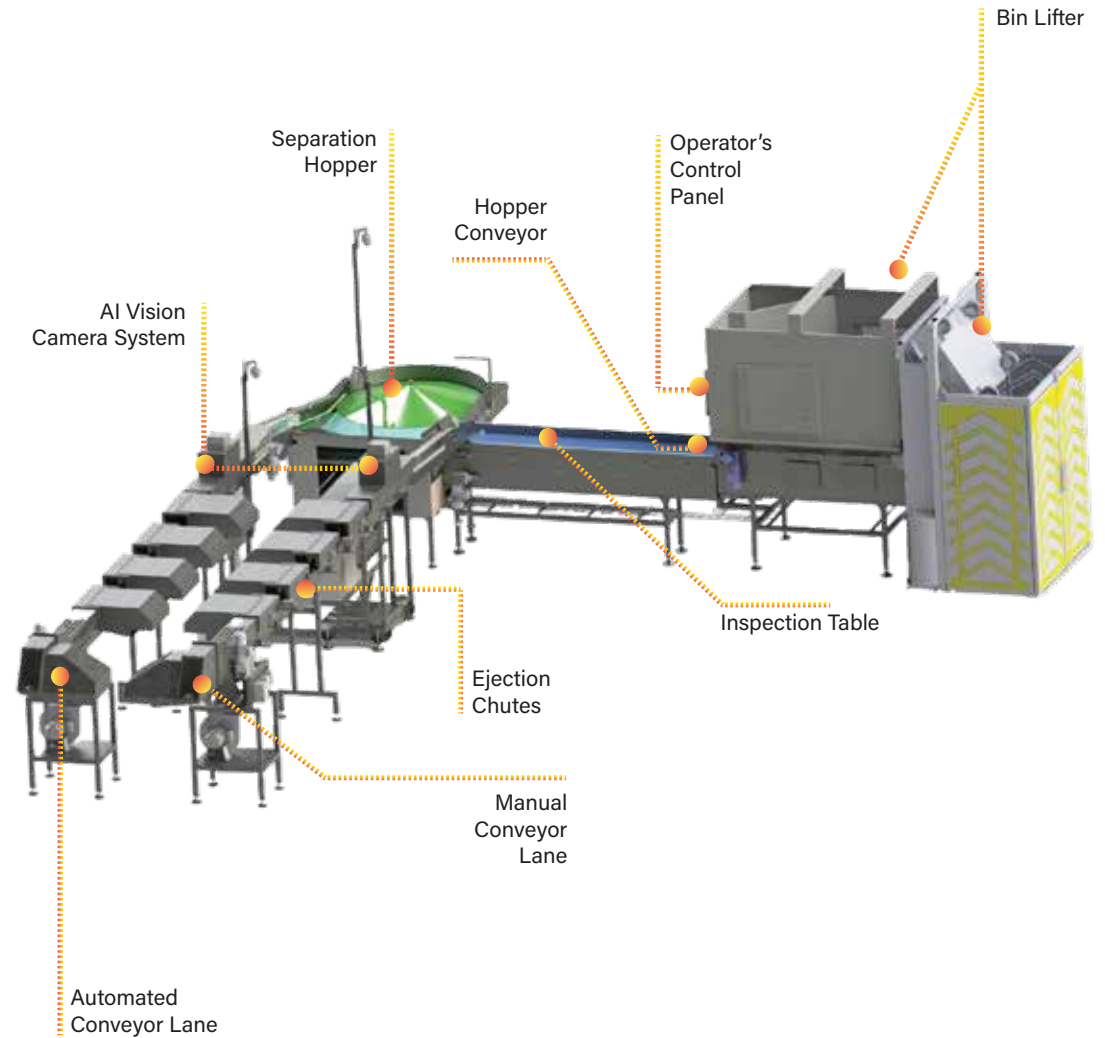
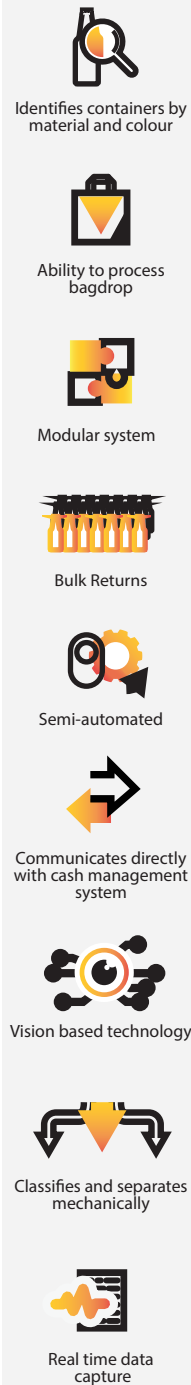
Printer	Thermal printer
Operational dashboard	12" touch capacitive screen, RFID reader, push button switches
Client ID scanner	

Recognition

Container types	Alu, PET clear & coloured, HDPE, LPB, Steel, Glass
Container shape	All eligible containers corresponding to the scheme (including wine and spirits)
Recognition technology	AI vision-based

Electrical/Pneumatics

Power	25A @ 415VAC 3Ø
Compressed Air supply connection	13CFM @ 90 PSI/6.2 BAR 12mm PUSH FITTING





1.8m

Standard tipping
height



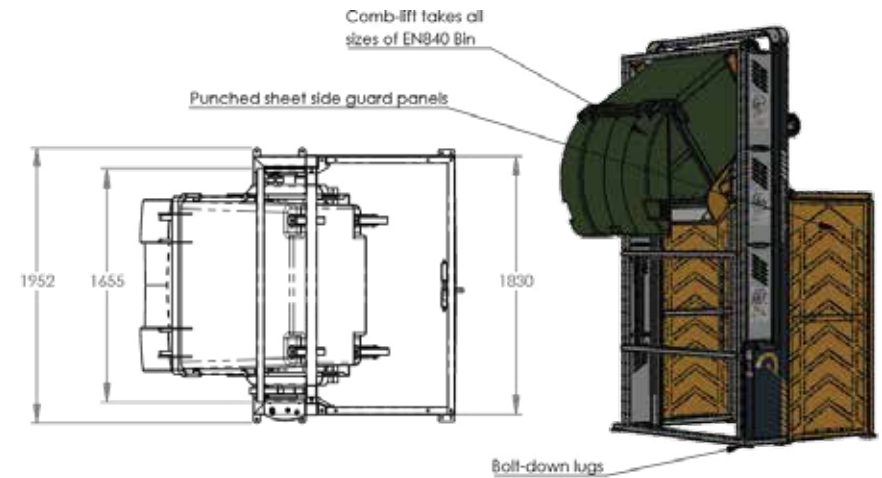
600 Kg Capacity



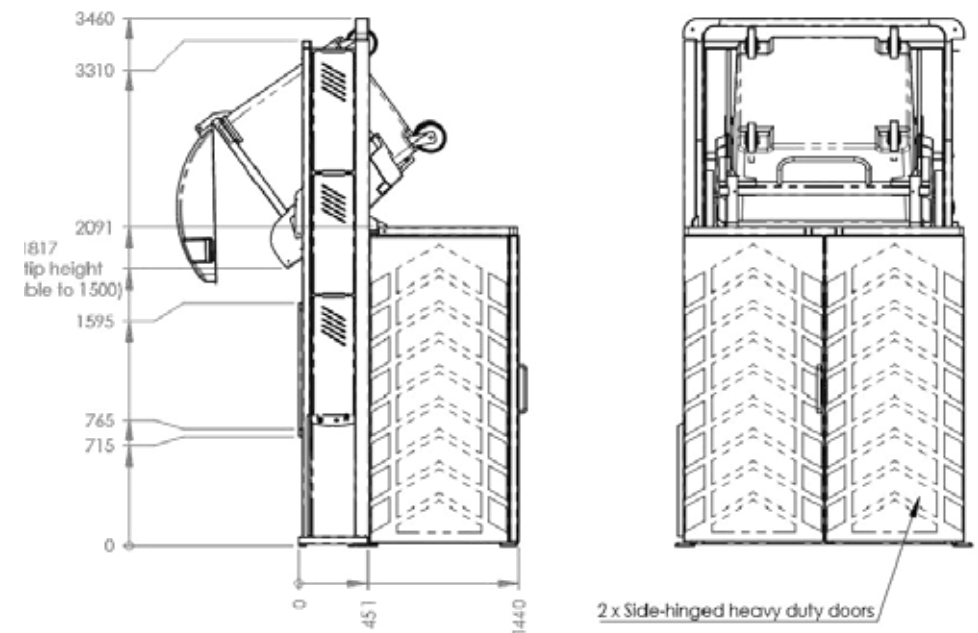
240 L - 1100L Bins

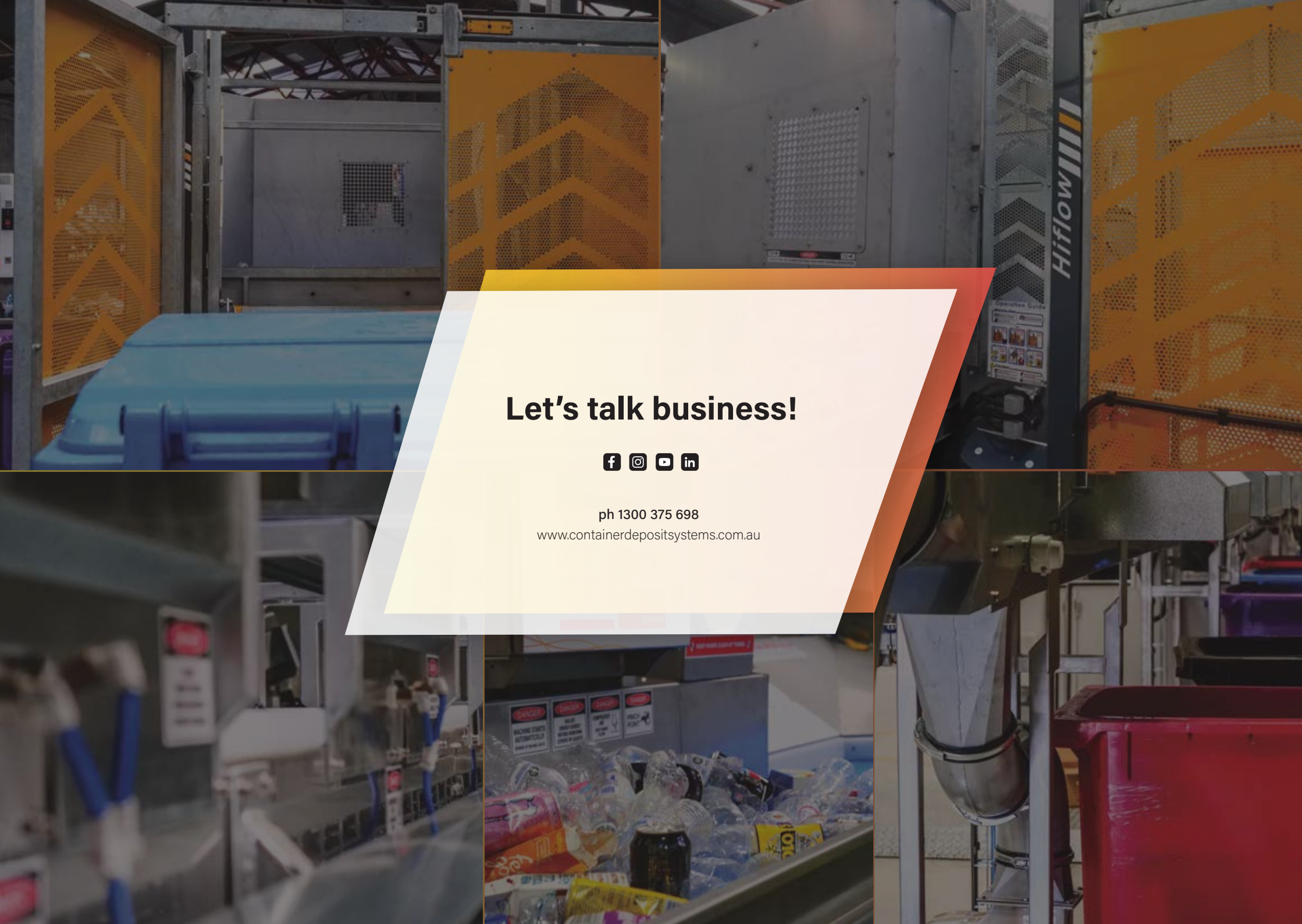


The bin lifter can quickly empty
large four-wheeled
bins weighing up to 600 kg.



The BRT are built with a
heavy-duty bin lifter with
huge throughput capacity
and a mechanical comb
hitch to suit 240 L, 660 L
and 1100 L bins.





The background of the slide is a collage of four images related to recycling and container deposit systems. The top-left image shows a large industrial machine with yellow safety panels and a blue container. The top-right image shows a close-up of a machine with a yellow safety panel and the word 'Hiflow' written vertically. The bottom-left image shows a robotic arm with blue grippers. The bottom-right image shows a red container. In the center, there is a white geometric shape containing text and social media icons.

Let's talk business!



ph 1300 375 698

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