

The Australian Designed, Owned and Manufactured
wrightway2MT®
is the 'right way to empty'
and ticks all the boxes for a
safe, efficient & economical bin tipping machine
which meets or exceeds Australian Standards.



- Independently certified
- Meets or exceeds Australian guarding and electrical standards
- Independent Structural Engineers' Certification
- NATA approved certification SWL (Safe Working Load)
- Designed, owned and manufactured in Australia

Advanced Safety Features are Standard Inclusions

Independent Certification Documents

NATA SWL

Certification to AS4024

ENGINEER'S REPORT

QUANTITY	I/D NUMBERS	DESCRIPTION	LOAD APPLIED KN	WORK LOAD LIMIT
1	ALSQ9498	WHEELIE BIN LIFTER. TARE: 276kgs 	0.24 TONNE	0.24 TONNE
<p>This Document shall not be reproduced except in full</p> <p> CERTIFICATE NUMBER: :ALSQ9498 TEST SPECIFICATION: :CUSTOMER REQUIREMENT CUSTOMER REFERENCE: :W2MT1 OUR REFERENCE NUMBER: :00078095 DATE OF TEST: :28.1.10 CUSTOMER: :WRIGHTWAY PRODUCTS AUTHORIZED SIGNATORY: :RICK BARRETT SITE ISSUED: :ROCKLEA </p> <p>The tests, calibrations or measurements covered by this document have been performed in accordance with Australian standards.</p>				

Controlled
Power
Systems



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Australian Standards Certification

wrightway2MT Bin Tipping Machine

Controlled Power Systems Pty Ltd are Electrical and Mechanical Engineers who are independently qualified and authorized to undertake certification of Machinery to Australian Standards.

We have undertaken an Engineering Inspection and Assessment regarding the Certification to Australian Standards of the wrightway2MT Bin Tipping Machine.

We certify herewith that the wrightway2MT Bin Tipping Machine, Models 1800, 1500, 1200 and 0800 meets or exceeds;

- 1) AS 3000 – 2007, Wiring Rules
- 2) AS 4024.1 – 2006, Safety of Machinery
- 3) Environmental Protection of IP67 on the external electrical controls
- 4) Environmental Protection of IP56 on the electrical enclosure

Controlled Power Systems Pty Ltd

Gary Hinrichsen
 Managing Director
 B.Tech (Mech), Assoc. Dip (Elect.), Elect. Trade
 Member – Association of Professional Engineers, Scientists and Managers Australia

Date ; 29 Sept. 2010

Certificate No; 2-2MT

Electrical and Mechanical Engineers

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Ref: 0949/2

16th June, 2010

Chris Walter,
 Wrightway Eco Products Pty Ltd,
 6 Taylor Street,
 SOUTH LISMORE.
 NSW. 2480

Dear Chris,

**Re: wrightway2MT - 1800 BIN TIPPER
 SAFE WORKING LOAD CERTIFICATION**

I wish to confirm that I have undertaken an inspection, taken measurements and photos and reviewed drawings and information provided by you of a prototype of this Bin Tipper. I have subsequently undertaken calculations of the capacity of all of the elements of this Bin Tipper.

Details of the bin tipper are indicated on your Drawing Number WP-01-02-002 Sheets 1 to 5 (as amended). Other detailed drawings of the individual parts are as detailed on these drawings.

The details of the critical components are as detailed below;

- Main Columns
- Frame Channel Guide.
- Hinge Bolt.
- Lift Chain.
- Castors.
- Lift Cylinder.

Based on the above I wish to certify that this Bin Lifter has a Safe Working Load of 240kg.

Please contact the undersigned if you have any further queries.

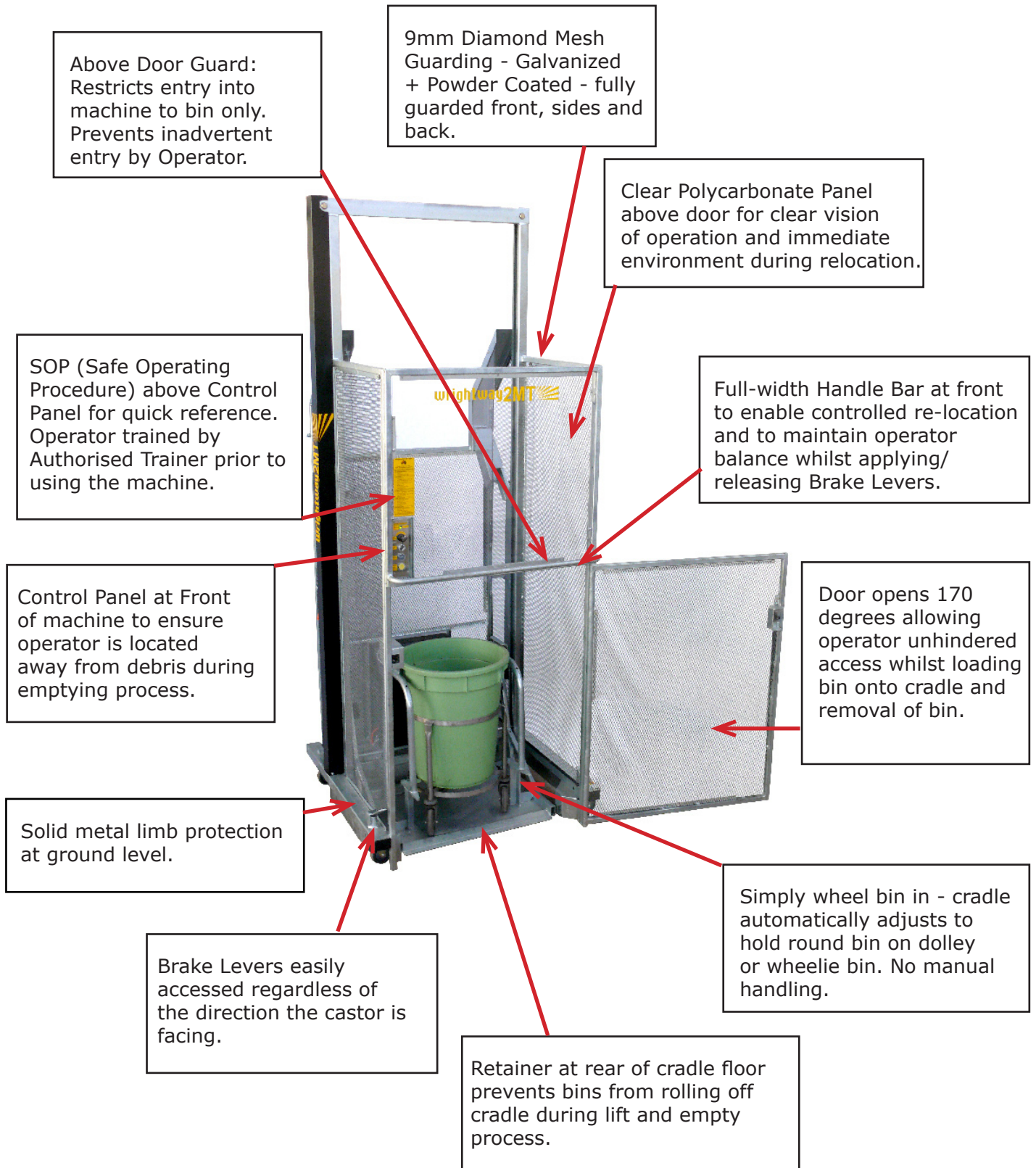
Yours faithfully,


 R. J. Sargent

CPEng (Mem. No. 388981)
 MPEQ (Mem. No. 1563)

HIGHLIGHTING SOME OF THE STANDARD SAFETY FEATURES
INCLUDED IN THE wrightway2MT® BIN-TIPPER/LIFTER

Refer to following pages for detailed list of Safety Features



SAFETY FEATURES

The wrightway2MT® Bin Tipper/Lifter has been specifically designed and manufactured to include advanced safety features to protect the operator, employees, and any unauthorised persons within the vicinity, and to maintain the safe operation of the machine.

OPERATIONAL SAFETY FEATURES (MACHINE SAFETY):

(i) Possible pinch points eliminated:

- All moving parts fully guarded, access areas made safe.
- Finger-proof guarding.
- Restricted limb access at base of machine.

(ii) Integrated safety inter-lock system:

- Machine cannot operate unless the door is closed.
- Door cannot be opened unless:
 - the machine has been turned on by the key;
 - the cradle is at ground level (sensors aligned);
 - operator is pressing the door release button.
- Manual door-open over-ride lever within machine (machine cannot operate when over-ride is on).
- Electric door-open over-ride within Control Box.
- EMERGENCY STOP BUTTON - The machine is instantly in-operable when Emergency Stop Button is pressed, and remains in-operable until the key is inserted and turned clockwise to release the Stop Button from the depressed position.

(iii) Innovative double roller lift and tip mechanism (Patented):

- Moving parts travel inside covered and shielded channels.
- Weight on the cradle is securely supported by two outside arms.
- Even weight distribution throughout the lift, empty, lower cycle.
- Hydraulically driven (no sprocket).
- Cradle lowered by gravity.
- Pressure relief valve: cannot be overloaded; controlled lowering speed.

(iv) Other:

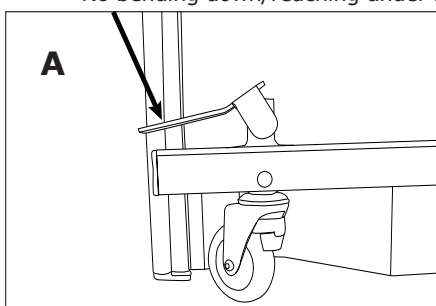
- Operator safely located at front of machine.
- SOP above Control Panel.
- Recessed Control Panel (push-button switches require constant pressure to operate machine).
- Battery Charge Indicator.
- Gel Cell Battery (no maintenance, no fumes).
- Door opens to 170 degrees.
- Detailed Operating Manual.
- Staff Training.
- 12 month Warranty (machine + battery).
- Safe Power Cord Storage.

RE-LOCATION SAFETY FEATURES

- Dedicated fork-lift pockets.
- Independent brake levers easily accessed & engaged irrespective of castor direction.
- Multi-directional castors.
- Sturdy full width Handle Bar.
- Easily controlled relocation of machine (handle bar).
- Safety 'feet' located behind rear castors to prevent machine being pushed off the dock.

SAFE, SIMPLE CASTOR LOCKING MECHANISM (BRAKES):

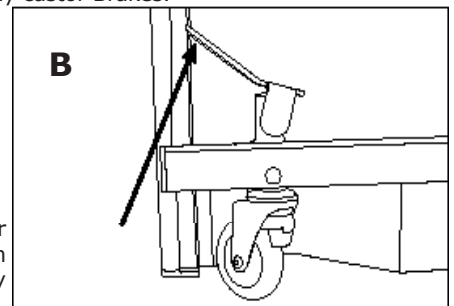
- Clearly signed foot operated Brake Levers conveniently located on machine frame (Left and Right sides of Door).
- Holding the Front Push Bar secures machine and maintains operator balance whilst using Brake Levers.
- Press Brake Lever DOWN to LOCK castors (regardless of direction castors are facing).
- Kick Brake Lever UP to RELEASE locking mechanism.
- No bending down/reaching under machine to turn castors around to locate/apply castor Brakes.



A Press Brake Lever DOWN to engage braking mechanism for front castor located directly below the Brake Lever.

B

Kick UP from below the Brake Lever to release the braking mechanism for the front castor located directly below the Brake Lever.



STAFF PROTECTION & SAFETY

OPERATOR SAFETY FEATURES

NO PINCH POINTS:

- 9mm wide diamond Galvanised+Powder-Coated Mesh Guarding +/- Polycarbonate panels protect Operator against inadvertently reaching into the machine.
- Inner Guards at the Rear of machine prevent body parts inadvertently reaching into hazardous zones.

Polycarbonate or mesh panels at the Rear of the machine protect against any body part or clothing or waste material coming into contact with any of the moving parts whilst the machine is in operation.

During the lift, invert and empty phase of the operation, the bin or its holding mechanism does not make contact with any part of the machine. At all times there is a gap between the bin, the top bar of the mesh guarding and the inner side-guarding protecting the moving parts.

ADDITIONAL LIMB PROTECTION AT GROUND LEVEL:

- Solid sheet metal Lower Protection Guard encloses all entry points at ground level to the inside of the machine thereby preventing feet or hands being injured whilst the machine is in operation or being moved - there is no entry point even when the castors are facing sideways.
- Minimal space between bottom of Door and ground level.
- NOTE: Operator MUST wear appropriate safety footwear whilst moving or operating the machine.

ROUNDED METAL HANDLE BAR:

- Full width bar located above Door and below the Control Panel, provides easy, balanced grip for safe manoeuvring of the machine in all directions within confined areas.
- Holding onto the Handle Bar stabilises the machine and provides a stable balance point whilst operator applies the Brake Levers.

CONSIDERED ACCESS TO INTERIOR:

- Door opens 170° to allow easy placement and removal of bin/container.
- Above Door Guard restricts Door height to prevent easy or accidental access by personnel.
- Machine cannot operate if the Door is open.

EMERGENCY STOP BUTTON

- Located on the Control Panel at the front of the machine.
- Machine ceases all operation when the Emergency Stop is activated by depressing the button.
- Machine remains fully in-operative until the Key has been inserted and turned clockwise to release the Stop Button from the depressed position.

MANUAL DOOR OPEN LEVER:

- Located and clearly signed below the internal Door Lock Catch Cover.

Allows emergency exit should the Door close whilst Authorised Technician is working within the machine frame.

Note: Lever MUST be returned to lock position for machine to operate. UNLOCK LOCK

NO MANUAL HANDLING OF THE BIN:

- Bin-lid does not have to be opened prior to use: Operator not exposed to contents of bin.
- Multi Purpose Cradle suits multiple bin sizes (Bins held in place by wheels or Bin lip + dolley).
- Bins do not have to be attached or manually secured to the Cradle. Operator wheels bin in and closes the door.
- wrightway2MT® needs no adjustment to take Lid Lifta bins.

SERVICE TECHNICIANS:

Access to the Control Box is limited by a locking mechanism which requires a specific Control Box Key which should be stored by the Owner independent of the machine and only provided to Authorised qualified Technicians as required.

A coloured Wiring Diagram is located within the Control Box. The Manufacturer will provide Authorised Technicians with a copy of the Service Manual or relevant details as requested.

(i) Control Box

- Located at rear of machine.
- Specific Key (for use by Authorised Technicians only).
- Hinged, sealed door (does not require re-sealing to maintain integrity of seal after access).
- Easy spacious access to all components within for straight-forward servicing.
- Door-open electrical over-ride switch (if cradle sensors not aligned).
- Detailed full colour wiring diagram attached inside door.

(ii) Authorised Technicians

- Upon request the Manufacturer will provide a comprehensive service manual or specific instructions prior to working on the machine.

HYGIENE:

- When the Cradle is fully inverted the front lip of the bin is located forward of the machine which alleviates the need for a chute, thereby alleviating the associated cross contamination of bins from waste deposited on a chute from previous smaller/shorter bins.



wrightway2MT® bin tippers

The 'Right Way To Empty'

Bins,
Drums,
Containers
etc



Also Designed and Manufactured in Australia

Lid Lifta® Foot Pedal Bins (Designed + Manufactured specifically for industrial use)

The Big Lid Lifta®
660 or 1100 litre 4-wheeled bins

Hands free open + close



35 litre 120 litre 240 litre 80 litre 50 litre
Other colours and sizes available

