



TORQUE INDUSTRIES

WASTE MANAGEMENT SOLUTIONS



 **HYDRA-PAC**
WASTE SYSTEMS

AVAILABLE PRODUCTS

- * Vertical balers
- * Horizontal auto/manual-tie balers
- * Bottle breakers
- * MSW balers
- * Can balers
- * Filter press
- * Drum crushers
- * Conveyors
- * Shredders
- * Bins & densifiers
- * Spare parts & bale ties/wire

Offering a complete
range waste management
products to suit *any need*
and *any budget*



table of contents

vertical balers	6
horizontal manual tie balers	8
horizontal automatic balers	10
bottle breakers	12
can balers	13
other equipment	14

We offer a complete turn key solution. From 'off the shelf' machinery to custom build solutions, the Hydra-Pac team can assist with initial concepts, project management, and the design, building, installation and ongoing servicing of your equipment.

PLEASE NOTE

Dimensions are listed length x width x height, unless otherwise noted.
Capacity and bale weights may vary depending on material.



Bespoke Australian Made Machinery for unique requirements



HYDRA-PAC RECYCLING MACHINERY

Hydra-Pac, a division of Torque Industries, specialises in manufacturing waste and recycling machinery. Hydra-pac provides clients with a complete waste solution that is safe, clean and affordable.

How we manage waste requires a rethink. Talk to us about how we can help you take steps to reduce, reuse, recycle and optimise your waste management approach. You might even save some cash!

From a single location to multi-site operations, Hydra-Pac has a recycling unit that will suit your needs. The brand is supported by a national network of service providers ensuring operating units are maintained in peak condition delivering many years of trouble free usage.



testimonial

"The service provided by Torque Industries was first rate. This project had adverse working conditions and the Torque personnel never slowed down. They worked when other contractors wouldn't and were instrumental in providing a solid and dependable system for the client."

Mike Guarisco, Chief Engineer
SPI/Mobile Pulley Works, Inc.
Mobile Alabama USA

a few of our clients

- Coopers Brewery
- Drakes Foodland
- Veolia Services
- Viterra
- Wells Transport
- Cassella Wines
- Marine Stores
- Waste Busters
- Streaky Bay District Council
- Textor Technologies
- Visy



VERTICAL BALERS

PB20A



This machine was designed for locations with a low ceiling height.

Ease of operation, good bale density and low working height makes this machine suitable even for the smallest supermarket.

Our easy to use bale door locking system incorporating a hand-wheel allows operators to have total control over the door and lock, preventing kick back. This maximises safety and usability for the operator and fewer moving parts means less wear and maintenance.

Specifications

Bale Size	510 x 712 x 812
Bale Weight	45 - 65 kg
Machine Dimensions	635 x 1060 x 2353
Loading Opening	712 x 635
Machine Weight	400 kg
Time Cycle	28 Seconds
Electrical Motor	1.5 kW - 240 Volt

PB28A



This machine perfect for fast food outlets, small convenience stores or where ever a baler is required in minimum space.

With all the features and advantages of its larger brothers, this machine will save space and money, putting an end to your waste problems.

The PB28A features the same easy to use bale door locking mechanism as all of the vertical balers in the Hydra-Pac range.

Specifications

Bale Size	712 x 712 x 915
Bale Weight	85 - 100 kg
Machine Dimensions	840 x 1080 x 2740
Loading Opening	712 x 635
Machine Weight	500 kg
Time Cycle	25 Seconds
Electrical Motor	3.0 kW - 415 Volt

PB40A



Higher baling pressures produce good bale density, making the PB40A an economical member of your waste stream.

The PB40A features the same easy to use bale door locking mechanism as all of the vertical balers in the Hydra-Pac range.

Forklift access to the base of the machine makes it easy for staff to move the unit for cleaning and complying with health regulations.

Specifications

Bale Size	750 x 1000 x 1150
Bale Weight	130 - 160 kg
Machine Dimensions	890 x 1450 x 2850
Loading Opening	1000 x 635
Machine Weight	850 kg
Time Cycle	27 Seconds
Electrical Motor	3 kW - 415 Volt

VERTICAL BALERS

PB48A



The PB48A is a work horse for your large supermarket or warehouse that calls for baling higher volumes and larger sized cartons.

The twin side rams make this machine perfect for tight areas where low roof height are a problem.

The pallet jack access holes suit most standard pallet jacks and allows for easy positioning and moving for cleaning.

Our door locking system ensures total control when opening the door. This maximises safety and usability for the operator.

Specifications

Bale Size	760 x 1220 x 1015
Bale Weight	240 - 270 kg
Machine Dimensions	1066 x 2150 x 2465
Loading Opening	1220 x 685
Machine Weight	1450 kg
Time Cycle	24 Seconds
Electrical Motor	4 kW - 415 Volt

PB60A



The PB60A has all the same features of the PB48A however it is slightly larger and produces bales of up to 375kg.

Like all of our vertical balers, the PB60A is fitted with:

- › Easy to use door locking system with hand wheel
- › Automatic single cycle operation
- › Automatic bale eject device
- › Full bale indicator
- › Door safety limit switches and appropriate warning signs
- › Pallet-jack slots for easy positioning

Specifications

Bale Size	765 x 1520 x 1015
Bale Weight	325 - 375 kg
Machine Dimensions	1066 x 2650 x 2500
Loading Opening	1520 x 685
Machine Weight	1850 kg
Time Cycle	34 Seconds
Electrical Motor	4 kW - 415 Volt



94% of retail waste is packaging materials like paper, cardboard and plastic, almost all of which can be recycled

HORIZONTAL MANUAL TIE BALERS

HBM 3030-35C



The HBM 3030-35C is an automatic baler with manual tie. This machine was specifically designed for baling plastic bottles such as PET, HDPE and PVC. The unit is activated by a photocell when the hopper is full.

The HBM 3030-35C machine is ideally suited for conveyor feeding with the conveyor being controlled by our PLC to ensure that the machine is not over filled. With a capacity of up to 1 tonne per hour, this is an ideal machine for recycling centres.

Specifications

Bale Size	1145 x 760 x 760
Bale Weight	170 x 180 kg
Machine Dimensions	5100 x 2035 x 844
Loading Opening	860 x 760 x 760
Machine Weight	2975 kg
Electrical Motor	15 kW - 415 Volt
Capacity	400 - 600kg/hr

HBM 3030-35CX



The HBM 3030-35CX is an automatic cycling baler with manual tie. This machine is fitted with cutting knives and is ideal for cardboard, paper as well as plastic bottles. The unit is activated by a photocell when the hopper is full.

The HBM 3030-35CX machine has been designed with higher pressures to enable heavier bales for containerisation. With capacities of up to and beyond 1 tonne per hour, depending on material, this is an ideal machine for the exporter.

Specifications

Bale Size	1200 x 760 x 760
Bale Weight	220 - 380 kg
Machine Dimensions	6540 x 2740 x 1100
Loading Opening	1000 x 760 x 760
Machine Weight	3900 kg
Electrical Motor	30 kW - 415 Volt
Capacity	800 - 900kg/hr



We can tailor the products we have on offer to suit your individual requirements

HORIZONTAL MANUAL TIE BALERS

HBM 3030-35SHL



The HBM 3030-35SHL general purpose baler with manual tie. Designed primarily with the small regional recycling centre in mind, this machine is capable of baling, plastic bottles, aluminum cans, 205L Drums as well as paper & cardboard.

This machine has been designed with a spring loaded top door for easy use and loading of the chamber, doing away with the need for a chute and other feeding devices such as conveyors.

Specifications

Bale Size	1100 x 760 x 760
Bale Weight	140 - 300 kg
Machine Dimensions	6850 x 1950 x 944
Loading Opening	1680 x 760 x 760
Machine Weight	2600 kg
Time Cycle	58 seconds
Electrical Motor	18.5 kW - 415 Volt
Capacity	.75 - 1.5 tonnes/hr

HBM 3040-80C



The HBM 3040-80C is an 80 tonne baler designed for high density baling to ensure best loads for transport and is ideal to be fed with a conveyor.

Specifications

Bale Size	1150 x 1010 x 762
Bale Weight	350 - 450 kg
Machine Dimensions	1400 x 1840 x 6200
Loading Opening	1270 x 1010 x 1300
Machine Weight	8500 kg
Time Cycle	30 seconds
Electrical Motor	30 kW
Capacity	4 - 5 tonnes/hr

HBM 4242-65C



The HBM 4242 - 65C is an automatic cycling, short stroke baler with manual tie. This machine is fitted with cutting knives and is ideal for cardboard, and paper. The unit is activated when the hopper is full by a photocell.

This machine has been designed for outlying regional depots that may not have large capacities but still require the best truck loads possible. With capacities of up to and beyond 3 tonne per hour, depending on material, this is an ideal machine for central country depots.

Specifications

Bale Size	1800 x 1066 x 1066
Bale Weight	650 - 1000 kg
Machine Dimensions	2000 x 2550 x 5953
Loading Opening	1270 x 1066 x 1066
Machine Weight	8500 kg
Electrical Motor	45 kW - 415 Volt
Capacity	3.5 - 4 tonnes/hr

HORIZONTAL AUTOMATIC TIE BALERS

HBA 3030-35C



The HBA 3030-35C is fully automatic ensuring that waste is no longer a focus of your business. Producing bales at 760 x 760 x 1200 makes waste very manageable.

The machine is ideally suited for printers and small warehouses where automation is a prime consideration. These

units are controlled by PLC for minimum operator intervention. With capacities of up to 2.8 tonnes/hour, this machine will solve your waste problems as well as reduce removal costs.

Specifications

Bale Size	760 x 760 x 1200
Bale Weight	250 - 320 kg
Machine Dimensions	5800 x 1840 x 2965
Loading Opening	812 x 760
Machine Weight	Approx 8500 kg
Electrical Motor	15 - 30kW
Capacity	1.5 - 2.8 tonnes/hr

HBA 3040-50C



This machine is ideally suited for printers and small warehouses where automation is a prime consideration. The HBA 3040-50C is controlled by PLC for minimum operator intervention. With a capacities of up to 2.8 tonnes/ hour, this machine will solve your waste problems as well as reduce removal costs.

Specifications

Bale Size	760 x 1016 x 1200
Bale Weight	300 - 420 kg
Machine Dimensions	5985 x 1840 x 3490
Loading Opening	1000 x 1016
Machine Weight	Approx 9350 kg
Electrical Motor	15 - 30kW
Capacity	1.8 - 3.2 tonnes/hr

HBA 4242-75C



The HBA4242-75C is the ideal machine for small to medium paper processors. Features state-of-the-art functionality with standard self diagnostics to help keep track of routine maintenance.

The mimic panel and LCD alpha numeric display

enable the operator to know every aspect of performance.

The HBA 4242-75C baler is built for years of continuous hard work, and to that end, has many easily replaceable components such as shear blades, rollers, tie and hydraulic components.

Specifications

Bale Size	1800 x 1100 x 1100
Bale Weight	850 - 1100 kg
Machine Dimensions	7600 x 4100 x 2366
Loading Opening	1270 x 1066 x 1000
Machine Weight	Approx 19,000 kg
Electrical Motor	30kW
Capacity	9.3 - 12.1 tonnes/hr

HORIZONTAL AUTOMATIC TIE BALERS

HBA 4242-110C



The HBA4242-110C is built for speed. Higher capacities for the larger paper processor and an ideal size for containerisation make this a real workhorse for the Exporter. Standard self diagnostics and safety protocols enhance the baling experience.

The mimic panel and LCD alpha numeric display enables the

operator to know every aspect of the balers performance.

Features many easily replaceable components such as shear blades, rollers, tie and hydraulic components.

Specifications

Bale Size	1800 x 1100 x 1100
Bale Weight	740 - 1000 kg
Machine Dimensions	10024 x 3774 x 2452
Loading Opening	1524 x 1050 x 1050
Machine Weight	Approx 23,500 kg
Electrical Motor	75 kW
Capacity	17.5 tonnes/hr

HBA 4242-135C



The flagship of the range, this high tonnage, high capacity unit is state-of-the-art.

Like all of our horizontal automatic balers, this unit is fitted with:

- › mimic panel and LCD alpha numeric display
- › easily replaceable components such as shear blades, rollers, tie and hydraulic components
- › self diagnostics to help keep track of routine maintenance

Specifications

Bale Size	1800 x 1066 x 1066
Bale Weight	900 - 1100 kg
Machine Dimensions	8700 x 4000 x 2400
Loading Opening	2032 x 1066 x 1066
Machine Weight	Approx 28,500 kg
Electrical Motor	75 kW
Capacity	17.5 tonnes/hr

Hydra-Pac is a leading designer, manufacturer and distributor of waste management equipment in Australia



BOTTLE BREAKERS

BB1200S



The bottle buster BB1200S is a versatile mobile unit that can be situated on top of a 205 litre drum or set up on rails over cullet bins or bays. The unit can easily be handled by two people, enabling it to be moved wherever needed. The wide hopper opening allows for easy dispensing of complete containers of bottles and glass jars for culleting.

Specifications

Electric Motor	Single Phase, 240Volt, 50Hz - or 1.1kW, 3 Phase, 415Volt, 50Hz
Capacity	3 - 4 Tonnes / hr
Cullet Size	As required by ACI
Dimensions	970 H x 960 D x 730 W
Weight	Approx. 80kg

BB3800



The bottle buster BB3800 is the Medium size unit in our range and is designed for higher volumes. This unit can be mounted on stands over cullet bins and bays. The unit will be fitted with a hopper opening (1200mm long x 700mm wide) allowing for fast conveyor feeding or dispensing of complete containers of bottles and glass jars for culleting.

Specifications

Electric Motor	2.2Kw, 415Volt, 3 Phase
Capacity	5 - 7 Tonnes / hr
Cullet Size	As required by ACI
Dimensions	970 H x 960 D x 730 W
Weight	Approx. 175kg

BB4500



The largest unit in our range. Mounted on a stand over a cullet bin and fitted with a 1.6 x 1.6 hopper, the top frame of the loading chamber is reinforced with channel iron to handle the rigours of unloading the bins and fitted with hydraulically operated split lids. The bottom of the loading hopper has a hydraulically operated shuttle plate to regulate feeding product into the breaking chamber and prevent jamming. The processed product is collected underneath the breaker in a series of shuttle bins running on rails - the bins can be maneuvered under the breaking chamber to regulate feed or change from colour to colour. The cullet bin, as well as having wheels, has fork slots enabling the operator to load and remove bins for draining/storage.

Specifications

Electric Motor	4Kw, 415Volt, 3 Phase
Hydraulic Power Pack	2.2Kw, 415Volt, 3 Phase
Capacity	9 - 15 Tonnes / hr
Cullet Size	As required by ACI
Weight	Approx. 600kg
Expected Decibel Level	95 - 100C at approx. 1 Metre

Optional remote control to operate the breaker

CAN BALERS

HCC 4030-35C



The HCC 4030-35C is fully automatic and as long as the hopper is kept full, will produce bales measuring 400 x 300 x approx 150 L and weighing 7 - 30Kg. The machine is ideally suited for conveyor feeding with the conveyor being controlled by our PLC to ensure that the machine is not over filled.

With a capacity of up to 230kg in aluminum cans and 620kg in Steel cans, this is an ideal machine for the small recycler.

Specifications

Bale Size	150 x 400 x 300
Bale Weight	7 - 30 kg
Capacity	230 - 620 kg/hr
Machine Dimensions	3616 x 674 x 1699
Loading Opening	400 x 700
Machine Weight	2200kg
Electrical Motor	22 kW - 415 Volt


HCC 5757-60C



Specifically designed for a MRF (Material Recovery Facility), this unit has been built tough to handle the output of a MRF steel line. With capacities up to 350kg per hour, the bale size will minimise handling and still afford good transport loads.

Specifications

Bale Size	1145 x 570 x 570
Bale Weight	100 - 125 kg
Capacity	300 - 350 kg/hr
Machine Dimensions	5300 x 810 x 1645
Loading Opening	700 x 570 x 570
Machine Weight	5500kg
Electrical Motor	22 kW - 415 Volt

A close-up image of several crushed aluminum cans, showing the metallic texture and the deformation of the cans.

Reduce your waste collection charges and save money, you'll be benefiting your business and the environment.

OTHER EQUIPMENT

FILTER PRESS



Are all those used filters taking up precious space in your work area? Then we have the solution for you!

Introducing our OFP100/200 Filter Press, a hydraulically operated machine designed to compact your filter cartridges ready for transport and recycling.

Being able to compact on-site means reduction in your storage areas, cheaper transport costs, and you'll be environmentally compliant with decreased contamination risks.

And don't worry - it's not a bulky, complicated piece of machinery - the unit is small in size, easily portable, low maintenance, and so simple to use.

DRUM CRUSHER



The DC200 Drum Crusher will reduce empty steel drums to a fraction of their size in no time. A general reduction ratio of 8:1 ensures more usable area in your plant and also better freight rates when transporting.

Using a Heavy Duty hydraulic cylinder, this high tonnage machine will crush even the heaviest steel drum to approx 100mm (4").

The machine can be made to be "Explosion Proof" for flammable fuel and chemical drums. The heavy construction of this unit ensures years of service life.

The Rear Ejection slot allows for quick re-loading of drums to be crushed to maximise throughput and efficiency.

The Hydra-Pac team has grown to include over thirty staff with countless years of experience and the right mix of skills

OTHER EQUIPMENT

SHREDDERS

Torque Industries has been appointed as an Authorised Distributor in Australasia, New Zealand and the Pacific Rim for AMERI-SHRED Industrial Paper Shredders and associated products.

Ameri-Shred Corp is a company based in northern Michigan USA. The company was incorporated in 1987 and is renowned for innovative product development and custom engineered solutions, specialising in equipment for Document, Hard Drives, Pill Boxes and other associated product destruction as well as Mobile Shredding Trucks, Dust Collectors, Cart Tippers and Paper Sorting / Metering Systems.



CONVEYORS

Hydra-Pac Waste Systems designs and manufactures conveying systems to suit the complete range of horizontal balers that are produced.

These conveyors are specifically designed to suit the customers requirements and the desired throughput.

The image to the left is an in-ground or "Pit" type conveyor. This allows easy loading for high capacity auto tie balers and reduces the amount of manual handling.

Hydra-Pac Waste Systems also manufacture purpose build "slider" type conveyors for many varying applications. All conveyors are tailored to match the speed of the in-feed of material.

The larger Pit type conveyors are fitted with Variable Speed Drives, to enable fine tuning of the conveyor to the baler. This maximises the baler efficiency and makes YOU more money.



DENSIFIERS (SPIKER)

The Hydra-Pac DENSIFIER, or Spiker, has been designed to perforate plastic bottles prior to baling to enable all possible air to be removed during the baling process. This in-turn ensures maximum bale weights and eliminates the possibility of bales exploding while stored in the sun due to the trapped air expanding.

Densifiers can be modified to suit the customers requirement and can be mounted directly to a baler or as a stand alone unit.



"There are two aspects to waste recycling – first, doing the right thing and secondly, cost recovery."



TORQUE INDUSTRIES
19 Indama Street,
Regency Park SA 5010
Phone: +61 8 8341 0177
Email: sales@torqind.com



torqind.com