

WBM

WASTE BALING MACHINES

PLASTIC, CARD & PAPER \ **WALES**

www.wastebalingmachines.co.uk

BALING & COMPACTING SOLUTIONS

West Wales's leading
supplier of balers and
compactors.



**Baling & Compacting of Plastic,
Cardboard, Paper & More**

BALING & COMPACTING SOLUTIONS



Compact your waste and recyclables into easy-to-handle bales with a baling machine. You'll benefit from lower waste disposal costs, a safer and tidier workplace, and a boost to your green targets. You can also increase revenue by selling baled recyclables to local companies. From micro businesses to large manufacturers. All types of industries benefit.

- ✓ Hire or buy high quality balers and compactors
- ✓ Lower waste and recycling costs
- ✓ Sell baled recyclables
- ✓ Meet your green targets
- ✓ Free site visit to assess your needs

AS USED BY...

Coca-Cola

amazon

Biffa

IKEA

M

TESCO

next

Sainsbury's
Try something new today

What is Waste Baling?

Waste baling and compacting is the process of compressing down waste and recyclable materials into compact and manageable bales. It can reduce the volume of waste by up to 80%.

This will lower your waste disposal and recycling costs.

You can also increase revenue by selling baled recyclables to local companies. Cardboard, paper, plastic, metal, general waste and more, can be compressed into bales.

Will my business benefit from a baler?

From wholesalers to manufacturers, retailers and offices, pubs and restaurants. All types of industries benefit. If your business regularly generates waste and recyclables, and you pay for trade disposal, a baling machine will prove to be a smart investment.

The cost benefits.

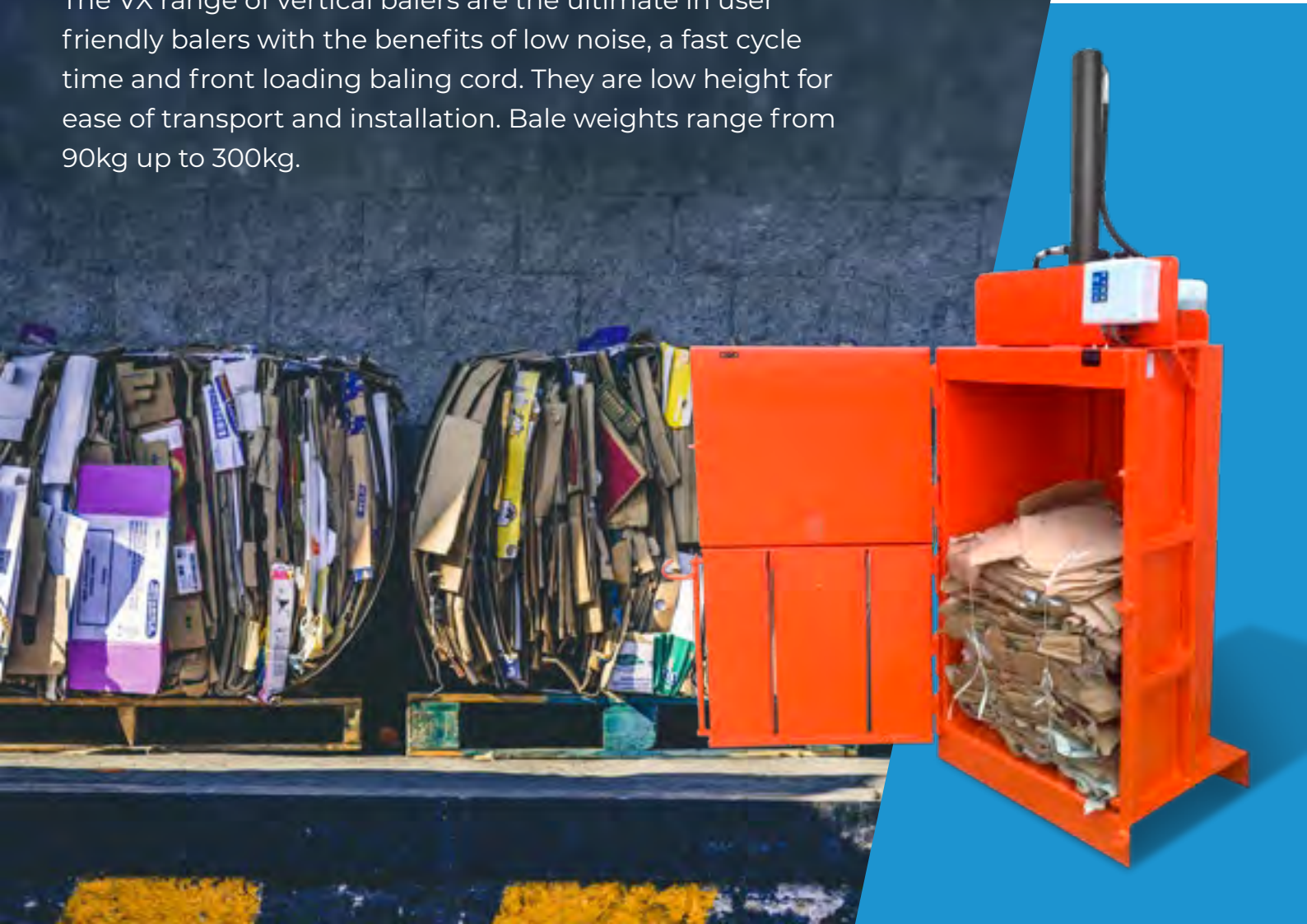
With freed up space in your bins and fewer collections, you'll quickly notice the savings. Baled waste is also easier for recycling companies to collect and transport. We can put you in touch with companies who buy baled recyclables.

VERTICAL BALERS

Vertical balers are especially suitable for businesses that produce small to medium volumes of waste or where space is limited e.g. retail outlets, hospitality industry and garage forecourts.

Waste Baling Machine's standard vertical balers range is suitable for a wide variety of applications including baling plastic and cardboard. These balers produce bales of cardboard from 50kg up to 500kg.

The VX range of vertical balers are the ultimate in user friendly balers with the benefits of low noise, a fast cycle time and front loading baling cord. They are low height for ease of transport and installation. Bale weights range from 90kg up to 300kg.



SMALL BALERS

CK51

DIMENSIONS

Machine (H x W x D)

220mm x 830mm x 785mm

Bale (H x W x L)

600mm x 710mm x 510mm

SPECIFICATIONS

Compaction Force

4 Tonnes

Power Pack Sizes

1.1kW

The CK51 is an excellent solution for working environments with limited space. This small vertical baler makes a dense bale of up to 70kg which is easily ejected with a trolley.



CK101

DIMENSIONS

Machine (H x W x D)

2410mm x 940mm x 940mm

Bale (H x W x L)

600mm x 740mm x 700mm

SPECIFICATIONS

Compaction Force

5 Tonnes

Power Pack Sizes

1.1kW

CK101 is designed for clients with small amounts of waste. The minimum floor space and the single phase power supply makes it very easy to install and to use.



CK151

DIMENSIONS

Machine (H x W x D)

2460mm x 1230mm x 990mm

Bale (H x W x L)

700mm x 1090mm x 700mm

SPECIFICATIONS

Compaction Force

10 Tonnes

Power Pack Sizes

1.5kW

The CK151 is designed for customers with limited amounts of waste, but who need to compact bulky materials. The large feed opening of 1 metre allows easy loading of bulky material. It produces a bale of cardboard up to 150kg.



KEY FEATURES

CK51

- ✓ Small footprint
- ✓ 50-70kg bales
- ✓ Single phase
- ✓ Cost effective
- ✓ Trolley bale ejection
- ✓ EN16500 compliment

CK101

- ✓ Compact design
- ✓ Up to 100kg bales
- ✓ Easy to install
- ✓ Single phase
- ✓ Mechanical bale ejection
- ✓ EN16500 compliment

CK151

- ✓ Up to 150kg bales
- ✓ Single phase
- ✓ Easy to use controls
- ✓ Mechanical bale ejection
- ✓ Low noise power packs
- ✓ EN16500 compliment

MATERIAL THAT CAN BE BALED

Cardboard, Soft Plastic,
Cans (with bale tables)

CUSTOMERS WHO USE THE SMALL BALES

Small vertical bales are especially suitable for business that produce small volumes of waste or where space is limited e.g. retail outlets, supermarkets or hospitality industry.



MID-SIZE BALERS

CK250

DIMENSIONS

Machine (H x W x D)

2440mm x 1720mm x 950mm

Bale (H x W x L)

700mm x 1160mm x 710mm

SPECIFICATIONS

Compaction Force

16 Tonnes

Power Pack Sizes

4kW

The CK250 makes a 250kg cardboard bale that allows the user to generate revenue from his waste. This machine is most suitable for retail shops, factories and logistic centres.



CK100VX

DIMENSIONS

Machine (H x W x D)

1955mm x 1450mm x 1300mm

Bale (H x W x L)

700mm x 800mm x 630mm

SPECIFICATIONS

Compaction Force

10 Tonnes

Power Pack Sizes

4kW

The CK100VX is a low-height baler, making it easy to transport and install. It is a low noise baler with a fast cycle time and has front loaded bale tape so machine can be placed against a wall.



CK300VX

DIMENSIONS

Machine (H x W x D)

2040mm x 1920mm x 1050mm

Bale (H x W x L)

830mm x 1220mm x 770mm

SPECIFICATIONS

Compaction Force

30 Tonnes

Power Pack Sizes

4kW

The CK300VX is designed for retail shops and factories to process high volumes of waste. The low-height of this machine makes it easy to transport and install.



KEY FEATURES

CK250

- ✓ Bale Full Indicator
- ✓ Mechanical bale eject
- ✓ Large feed opening
- ✓ Produces half mill-size bales
- ✓ Easy to use controls

CK100VX

- ✓ Bale full indicator
- ✓ Mechanical bale eject
- ✓ Front load bale tape
- ✓ Fast cycle time, 18s
- ✓ Low height for ease of transport and installation
- ✓ Cross cylinders for low height to ease transport and installation

CK300VX

- ✓ Bale full indicator
- ✓ Mechanical bale eject
- ✓ Front load bale tape
- ✓ Fast cycle time, 35s
- ✓ Low height for ease of transport and installation
- ✓ Cross cylinders for low height to ease transport and installation

MATERIAL THAT CAN BE BALED

Cardboard, Soft plastics

CUSTOMERS WHO USE THE MID-SIZE BALERS

Designed for retail shops and factories to process high volumes of waste.



MILL-SIZE BALERS

CK500V

DIMENSIONS

Machine (H x W x D)

3110mm x 1920mm x 1100mm

Bale (H x W x L)

1020 / 1170mm x 1270mm x 770mm

SPECIFICATIONS

Compaction Force

50 Tonnes

Power Pack Sizes

7.5kW

The CK500V is most suitable for premises with substantial waste such as large retail shops, factories and waste recyclers. The sturdy construction of the CK500V enables users to bale materials such as cardboard, plastic film, hard plastic, E-Waste and PET.



CK500W

DIMENSIONS

Machine (H x W x D)

3150mm x 2165mm x 1140mm

Bale (H x W x L)

1020 / 1170mm x 1550mm x 770mm

SPECIFICATIONS

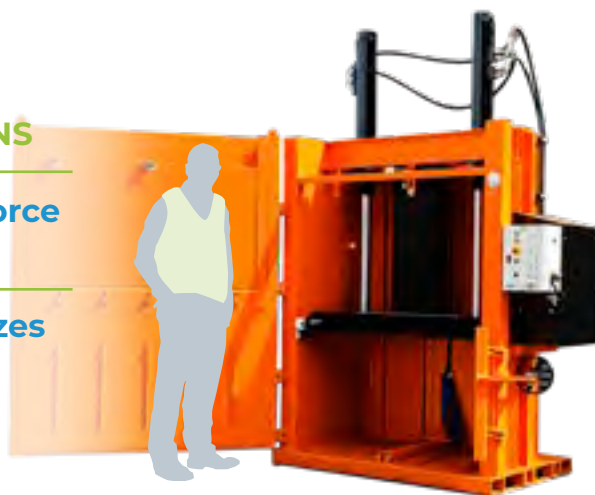
Compaction Force

50 Tonnes

Power Pack Sizes

7.5kW

The CK500W has got an extra large feed-opening of 1.4 metres. This simplifies the baling of bulky materials. The Lift-Up Door system (LUD) allows minimum operating space and automatic door opening after every cycle.



CK108TB

DIMENSIONS

Machine (H x W x D)

4425mm x 3000mm x 2446mm

Bale (H x W x L)

1300mm x 1520mm x 830mm

SPECIFICATIONS

Compaction Force

60 Tonnes

Power Pack Sizes

7.5kW

The CK108TB tyre baler is a vertical baler designed to help reduce costs in the tyre recycling process by significantly reducing transport cost. Traditionally waste tyres have been transported loose, however baling the tyres can reduce the volume by up to 85%*.



KEY FEATURES

CK500V

- ✓ Cord or wire tie option
- ✓ Large feed opening
- ✓ Swing door is a cost effective option
- ✓ Unique pillar support for pressplate stability
- ✓ Sturdy construction to bale most materials
- ✓ Produces 500kg bale of cardboard
- ✓ Bale full beacon as standard

CK500W

- ✓ Cord or wire tie option
- ✓ Extra large feed-opening for bulky material
- ✓ Lift Up Door System (LUD) for each of use
- ✓ Two handed control for safe bale ejection
- ✓ Unique pillar pressplate for extra stability
- ✓ Cardboard bales up to 500kg

CK108TB

- ✓ Creates up to 6 bales per hour
- ✓ Bale completed in one full cycle
- ✓ Bales are commonly used in construction industry
- ✓ Easy to use controls
- ✓ Reduce tyre volume by up to 85%
- ✓ Significantly reduced transport cost

MATERIAL THAT CAN BE BALED

Cardboard, hard plastics, soft plastics, PET aluminium cans, bulky materials.

CUSTOMERS WHO USE TO MILL-SIZE BALERS

Suitable for premises with substantial waste such as large retail shops, factories and waste recyclers.



TECHNICAL DATA

Waste Baling Machines reserves the right to alter specification without prior notice. Bale weight and throughputs given are guidelines only, actual bale weights depend on operator and material baled.

Machine Detail	CK51	CK101	CK151	CK250	CK100VX
Compaction force	4	5	10	16	10
Power pack	1.1kW	1.1kW	1.5kW	4kW	4kW
Power supply	1 x 230v, 50Hz	1 x 230v, 50Hz	1 x 230v, 50Hz	3 x 415v, 50Hz	3 x 415v, 50Hz
Bale Size (H x W x L)	600 x 710 x 510	600 x 740 x 700	700 x 1090 x 700	700 x 1160 x 7510	700 x 800 x 630
Feed Opening (L x W)	550 x 715	710 x 815	540 x 1090	590 x 1040	675 x 715
Cycle Time (Dry cycle)	42	52	55	55	18
Noise Level	70dBA	70dBA	70dBA	60dBA	60dBA
Machine Dims (H x W x D)	2220 x 830 x 785	2410 x 940 x 940	2460 x 1230 x 990	2440 x 1720 x 950	1955 x 1450 x 1300
Height with rams dropped	n/a	1800	2055	2050	n/a
Machine weight	375kgs	450kgs	700kgs	1100kgs	825kgs

Machine Detail	CK300VX	CK500V	CK500W	CK108TB
Compaction force	30	50	50	60
Power pack	4kW	7.5kW	7.5kW	7.5kW
Power supply	3 x 415v, 50Hz	3 x 415v, 50Hz	3 x 415v, 50Hz	3 x 415v, 50Hz
Bale Size (H x W x L)	700 x 800 x 630	1020/1170 x 1270 x 770	1020/1170 x 1550 x 770	1300 x 1520 x 830
Feed Opening (L x W)	675 x 715	610 x 1185	600 x 1470	990 x 1470
Cycle Time (Dry cycle)	18	55	55	80
Noise Level	60dBA	70dBA	70dBA	75dBA
Machine Dims (H x W x D)	1955 x 1450 x 1300	3110 x 1920 x 1100	3150 x 2165 x 1140	4425 x 3000 x 2446
Height with rams dropped	n/a	2400	2400	3200
Machine weight	825kgs	2200kgs	2475kgs	6000kgs

Bale Weights (kg)	CK51	CK101	CK151	CK250	CK100VX
Cardboard	50-70	80-100	150	150	90-100
Plastic	60-70	90-110	180	180	100
Tyres	n/a	n/a	n/a	n/a	n/a
Tying Cord	2 rolls x 9mm	2 rolls x 9mm	4 rolls x 9mm	4 rolls x 9mm	2 rolls x 12mm
Bale Ejection System	Trolley	Mechanical	Mechanical	Mechanical	Mechanical

Machine Detail	CK300VX	CK500V	CK500W	CK108TB
Cardboard	300	500	500	n/a
Plastic	300	520	520	n/a
Tyres	n/a	n/a	n/a	90-120 tyres
Tying Cord	4 rolls x 12mm	4 x steel wire 3mm dia x 3.9m or 4 rolls x 12mm tying cord	4 x steel wire 3mm dia x 3.9m or 4 rolls x 12mm tying cord	up to 7 wires
Bale Ejection System	Mechanical	Mechanical	Mechanical	Manual chain

**bale dimensions will vary with different materials *baler height will vary depending on application*

VERTICAL BALER CONSUMABLES

**Sold in 15kg bundles*

BALER WIRE



Wire*	Baler
3mm dia 3.9m long galvanised cut & loop wire	CK 500V CK500W

BALER TWINE



Twine	Baler
180m/ kg, 306m per reel, average break load 260kg	CK51 CK101 CK151 CK250 CK100VX CK300VX

BALE STRAPPING



Strapping	Baler
9mm strapping, 250m long	CK51 CK101 CK151
13mm strapping, 250m long	CK100VX CK250 CK300VX
19mm strapping, 250m long	CL500V CK500W

QUICK LINK WIRE



Wire	Baler
3.6m long super strength baling ties	CK108TB

SEMI-AUTOMATIC BALERS

The following is our range of semi-automatic balers which cater for all materials.

These horizontal balers are ideal for businesses processing large volumes of waste materials, including cardboard, paper, shredded plastic, hard plastic, plastic film and PET.

They are typically used in factories, waste recyclers and distribution centres and are ideally suited in situations where vertical presses are much too labour intensive to handle the volumes of material.

SUITABLE
FOR PAPER,
CARDBOARD
AND SOFT
PLASTICS



CK450HFE

Perfect height for hand feeding
Vertical tying



MACHINE DIMENSIONS

BALER HEIGHT
2430mm

BALER WIDTH
6280mm

BALER LENGTH
1780mm

BALE SIZE

H 750mm
W 1150mm
L 950 - 1200mm

SPECIFICATIONS

COMPACTION FORCE
50 Tonnes

POWER PACK
7.5kW / 11kW / 15kW

Saves Time While Handling Large Volumes

The CK450HFE has been one of the most popular CK machines in the past number of years. The CK450HFE can be found in logistic centres, warehouses and large retail shops with substantial volumes of waste.

The Full Eject System (HFE) ensures fast operation, allows switching between waste streams and avoids contamination. The CK450HFE is the perfect height for hand-feeding and very suitable for dock level loading.

The wide filling chamber is also very suitable for use with bin tipping equipment. The vertical tie orientation ensures bale integrity for certain materials.

KEY FEATURES

- ✓ **IDEAL FOR HAND LOADING**
It's height makes it perfect for hand-feeding and very suitable for dock level loading
- ✓ **OPTIMISE TRANSPORT LOADS**
With mill-size bale dimensions. 54 bales in a 40ft container
- ✓ **LARGE FEED OPENING**
For processing substantial volumes of waste
- ✓ **FULL EJECT SYSTEM**
Ensures fast operation, allows switching between waste streams and avoids contamination.
- ✓ **STRONG AND AGGRESSIVE SHEAR-BLADES**
Will cut most materials



MACHINE DIMENSIONS

BALER HEIGHT

2190mm

BALER WIDTH

7220mm

BALER LENGTH

1725mm

BALE DIMS

H 750mm

W 1100mm

L 900 - 1300mm

SPECIFICATIONS

COMPACTION FORCE

60 Tonnes

POWER PACK

7.5kW / 11kW / 15kW

CK450HFEPC

Excellent solution for
logistic centres, retail &
manufacturers



For Large Volumes of Waste

CK450HFEPC is an excellent solution for distribution and logistic centres, retail stores, manufacturers and various industries with substantial volumes of waste.

This machine comes with a Full Eject System (HFE), a Portcullis Door (PC) and 60T compaction force. In addition, it has 4 wire horizontal tying and an 11kW motor as standard for fast cycle times and operation.

The press-plate is mounted on a Hardox® Castellated floor, thereby reducing maintenance costs and ensuring long life of the machine.

KEY FEATURES



FULL EJECT SYSTEM

Ensures fast operation and avoids contamination



HARDOX® CASTELLATED FLOOR

For low maintenance and long life



HYDRAULIC PORTCULLIS DOOR

For fast and easy operation



4 STEEL WIRE - HORIZONTAL TIE

Ensures bale integrity for certain materials



AUTOMATIC START-UP AND BALE FULL SYSTEM

TECHNICAL DATA

Machine Detail		CK450HFE	CK450HFEP
MACHINE DIMENSIONS	Machine Size (H x W x L)	2430 x 1780 x 6280	2190 to top of standard hopper x 1725 x 7200
	Feed Opening (L x W)	1400 x 1040	1475 x 1050
	Machine Weight	Approx 5,500kg	Approx 8000kg
MACHINE PERFORMANCE	Compaction Force (Tonnes)	50	60
	Power Pack	7.5kW / 11kW / 15kW	11kW / 15kW / 22kW
	Cycle Time	92 sec / 60 sec / 42 sec / 30 sec	92 sec / 60 sec / 42 sec / 30 sec
	Power Supply	3 x 415V, 50Hz	3 x 415V, 50Hz
	Noise Level	80dBA	80dBA
BALE DIMENSIONS	Bale Size (H x W x L)	750 x 1150 x 950min - 1200max	750 x 1100 x 900min - 1300max
	Bale Weight Cardboard (approx)	Up to 450kg	Up to 500kg
	Bale Weight Plastic (approx)	Up to 500kg	Up to 550kg
MACHINE OPERATION	4 x Steel Wires, Black Annealed	3.5mm dia., 4.6m long	3.5mm dia., 5.5m long
	Bale Ejection System	Full Eject	Full Eject
	Tying Direction	Vertical	Horizontal

STANDARD FEATURES

CK450HFE and CK450HFEP SEMI-AUTOMATIC BALERS



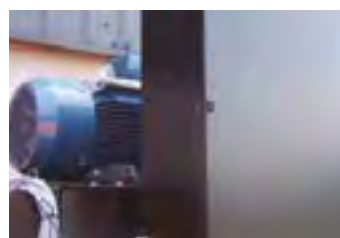
AGGRESSIVE HEAD RAM

This consists of aggressive blades designed in a "V" shape to improve shearing when baling bulky or rigid materials.



RETENTION CLAWS

Retention claws are used for baling materials that tend to spring back, for example plastic films.



VANDAL PROOF DOOR

This can be added to prevent unauthorised usage of the machine and to prevent vandalism of the control panel.



INTERLOCK ACCESS DOOR ON HOPPER

For easy access into the chamber should material become stuck.



DUAL PRESSURE SETTING

Enables the machine to change from high pressure to low pressure to bale both cardboard and plastic.



BEACONS

Start-up alarm included and flashing beacons will warn the operator when the machine is full or there is a jam.



POWER PACK COVER

Extra protection for the power pack against the elements.



ANTI-WHIP PROTECTION


Mechanical restraint used to prevent uncontrolled hose movement in the event of hose or coupling failure.



PORTABLE COMPACTORS

Flexibility to Suit your operation

Portable machine provides you with the option to move locations.



This is a new generation of mobile compactors that set standards in efficiency, sustainability and flexibility that have never before been achieved in the market.

Thanks to its optimised design, this new portable compactor offers increased stability despite its reduced weight of up to 500kg less than comparable machines. This leads to considerable savings in fuel consumption and an increase in maximum payloads.

KEY FEATURES



AVOID MATERIAL GETTING “STUCK”

With the new emptying assistant for expansive fractions. The moveable roof provides space for emptying the container and pressure is reduced.



NO MORE MATERIAL ENTERING BEHIND THE PRESS PLATE

With the newly designed press head bottom.



IDEAL FOR WET WASTE MATERIALS

Found in hotels, canteen-kitchens, nursing homes or hospitals.



COMPACT LARGE AMOUNTS OF ORGANIC WASTE

With the increased pressing force and extended filling opening.



ELIMINATE SPILLAGES

These machines are liquid-tight due to the efficient 4-point locking system.



LOW MAINTENANCE

Thanks to the large cleaning flap, self-cleaning press ram and tub-shaped design of the press head.



**SUITABLE
FOR WET
AND DRY
WASTE**

INTERCHANGEABLE HOOD DESIGN

Freely interchangeable hood design due to master flange system.

LIGHTER MACHINE

Increase in maximum payload due to its reduced weight.



INCREASED CAPACITY

Very large feed opening.

POWERFUL

High press force - well above the market level.

TECHNICAL DATA

Machine Detail	MPC10 WET	MPC10 DRY	MPC20 WET	MPC20 DRY
Net Capacity	10m ³	10m ³	20m ³	20m ³
Machine Length	4,550 mm	4,415 mm	6,486 mm	6,720 mm
Machine Width	2,040 mm	2,040 mm	2,572 mm	2,475 mm
Machine Height	2,510 mm	2,500 mm	2,641 mm	2,550 mm
Feed-Opening Length	1,320 mm	1,000 mm	1,270 mm	1,775 mm
Feed-Opening Width	1,430 mm	1,570 mm	1,800 mm	1,890 mm
Feeding Height	1,420 mm	1,420 mm	1,485 mm	1,400 mm
Dead weight	3,100 kg	3,430 kg	5,200 kg	4,990 kg
Capacity per drive stroke	0.5m ³	1.0m ³	0.67m ³	1.9m ³
Cycle time	22s	43s	22s	63s
Drive Capacity	5.5kW	5.5kW	5.5kW	5.5kW
Press Force	200kN	380kN	380kN	380kN

After Sales Care

WBM - Waste Baling Machines operates a network of experienced electrical & hydraulic engineers who are able to cover all aspects of automatic bailer installation and maintenance ensuring that the waste baling machines receive our highest level of service.

Planned Preventative Maintenance



Breakdown Cover



Installation & Decommissioning



Operator Training



Baler Parts



Consumables



Contact: Dan Thomas

Phone: 07885 427 619 \ 01437 809 944

Email: enquiries@wastebalingmachines.co.uk

www.wastebalingmachines.co.uk

Find us on

