

COMPACTOR AND BALER GUIDE

COMPACTORS, BALERS AND OTHER EQUIPMENT

Recorra have a wide range of high-specification machinery and equipment to help improve the safety, efficiency, and cost of your on-site waste operations.

Our waste management experts will work with you to establish your aims and make recommendations for a successful installation.

PACKAGES

We provide budget friendly complete packages which can be tailored to include the purchase, rental, and maintenance of equipment.

END-TO-END SOLUTION

With our extensive vehicle fleet and self-owned Material Recovery Facility, by choosing Recorra you get an end-to-end service. We remove the headache from waste management, reduce the impact of your waste on the environment, cuts costs and allow you to run a safe site. All general waste is sent for energy recovery, providing you with a 100% zero-to-landfill service.

HEALTH & SAFETY

Operator training is included in the installation package for all the machines we supply, which means you can rest assured your staff will be fully trained to use the equipment on site safely.

SUMMARY BENEFITS

- Cut costs
 - Save space
 - Reduce collections and carbon emissions
 - Achieve top safety standards
 - Ensure smooth running operations with our end-to-end solution
 - Equipment can be purchased or rented
-

COMPACTOR SOLUTIONS

Compactors come in a variety of shapes and sizes, with different specifications available to meet the unique requirements of your site. Static and portable models offer different benefits, so our experts will take the time to understand your needs and make a recommendation accordingly.

THE BENEFITS OF INSTALLING A COMPACTOR

- Reduced number of waste collections
- Maximum payloads on collection vehicles are reached, reducing transport costs and carbon footprint
- Optional GPS software, that acts as a tracking device and sends auto collection alerts when the machine is 75% and 100% full (available for both static and portable compactors)

SAFETY FEATURES

- Improved health & safety and less vehicle movements on site
- Emergency stop button
- Operator training supplied

STATIC COMPACTORS

There are two parts to the compactor: the compaction machinery (blue) and the container (green). Static compactors remain on site and are bolted to a suitable base. They are designed to work with all sizes of compaction containers. Container exchange can be quickly carried out using a mess-free method. Compaction ratios vary between 3:1 and 8:1 depending on the material being compacted.

The machines are equipped with both '3/4 full' and 'jammed full' indicator lights to ensure that container exchange is undertaken without delay.

Our static compactors remain permanently on site and container exchange can be quickly carried out, using the mess-free captive tube pinning-off method.
Optional extras: safety cage (subject to site survey), base, guiderails.

BENEFITS

Usually, a higher compaction ratio than portable compactors
Reduces collection frequencies
Carbon footprint is reduced
Reduced cost and savings

DRAWBACKS

Not sealed – if wet waste is in the load, it could leak

PORTABLE COMPACTORS

When full, the whole machine is collected and taken to a processing site to be tipped, before being returned to site. These are available in three sizes, all of which are supplied with a front counterbalanced lid or side door for manual loading, or alternatively with a wheelie bin tipper. Compaction ratio ranges from 4:1 to 5:1.

The discharge door is fully sealed and fully retains wet material. 3-phase and single-phase models are available. All new equipment is fully guaranteed for a period of 12 months and a full after sales service is available.

BENEFITS

- Reduce collections frequency
- Reduce carbon footprint
- Save money by having fewer collections
- A sealed unit means there will not be any leaks
- Can be used with or without a bin lift
- Optional safety cage available

DRAWBACKS

Whilst the machine is being emptied there will not be a compactor on site.

BALERS

Balers are an ideal choice for those who produce a high volume of cardboard but have a limited amount of space to store bins. We have several sizes available to choose from. Establishing which version is suitable for your site, will require an evaluation of space available and the volume of cardboard being produced.

BENEFITS

- Compact size
- Small space requirements
- Easy to install and use
- Reduced noise

DRAWBACKS

- Requires an operator
 - Requires a power supply
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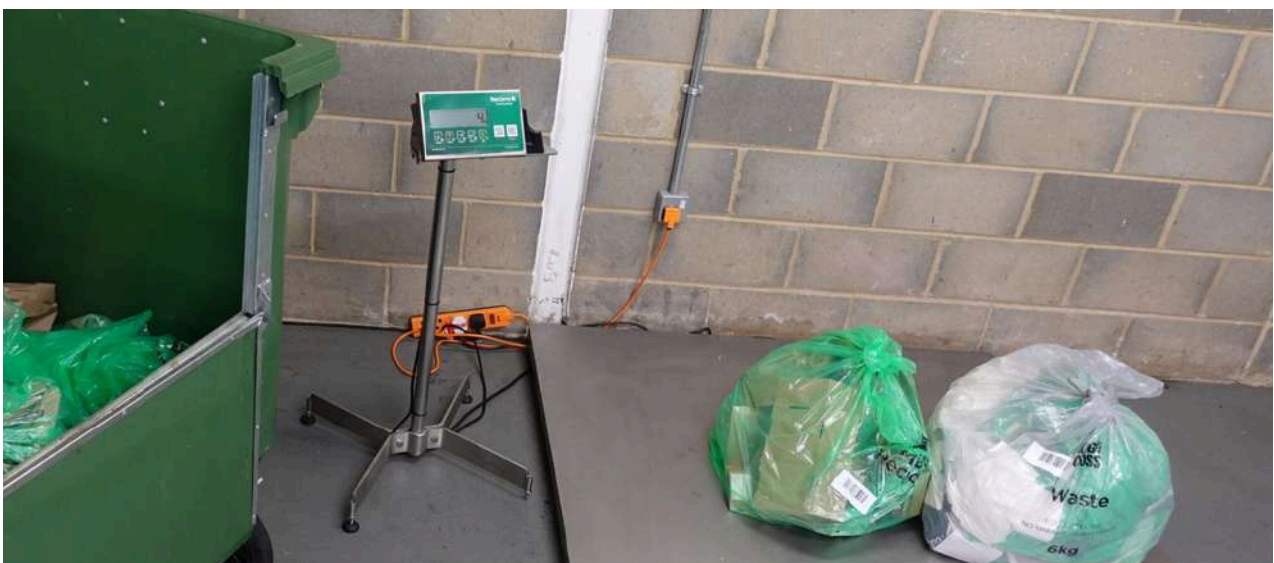
RECORRA SMARTWEIGH

Within shared waste stores, it can be difficult to track how much waste each occupier/floor generates, and to identify sources of contamination.

Recorra SmartWeigh combines weighing technology with smartphone software – developed by Trackersack – to track floor level/occupier waste generation. This cost-effective system provides a novel alternative to bespoke equipment and having to weigh sacks by hand.

The data is all integrated into Recorra’s online portal, meaning all your waste statistics are in one place.

Scan here to find out more.



BIN PRESS BP1100



THE BENEFITS

- Safe and easy to operate
- Saves space (Avg. 3:1 compaction ratio)
- Fewer collections required
- Improved site sanitation & safety
- Uses minimal floor space
- Considerable financial savings
- Environmentally friendly

TECHNICAL DATA

Dimensional Data

Overall Width	955mm
Overall Depth	1522mm
Overall Height	2585mm
Back Wall Clearance	500mm
Side Wall Clearance	500mm
Bin Capacity	1100 litre
Machine Weight	350kg

Electrical Specification

Supply Voltage	230Vac
Phase	Single
Max Current	13A
IP Rating	IP55
Control Circuit	24vdc

Machine Specification

Compaction Ratio	Avg. 3:1
Compaction Force	3 tonnes
Motor	1.1kW
System Pressure	85 bar
Cycle Time	27 secs
Pump	7 lpm

MINI BALER HB60



THE BENEFITS

- Safe and easy to operate
- Saves time & space
- Easy to store & transport bales
- Small footprint
- Average bale 50-70kg
- Complies to BS EN 16500:2014

TECHNICAL DATA

Dimensional Data		Electrical Specification		Machine Specification		Bale Size	
Overall Width	1000mm	Supply Voltage	230Vac	Compaction Force	5 tonnes	Width	700mm
Overall Depth	741mm	Phase	Single	Motor	1.1kW	Depth	500mm
Overall Height	2275mm	Max Current	13A	System Pressure	95 bar	Height	750mm
Feed Height	865mm	IP Rating	IP55	Cycle Time	50 secs	Weight	50-70kg
Bale Chamber Depth	500mm	Control Circuit	24vdc	No. of Rams	1		
Load Aperture Width	670mm			Cylinder Stroke	700mm		
Load Aperture Height	590mm			Cylinder Bore	80mm		
No. of Ties (9mm tape)	2			Pump	7 lpm		
Back Wall Clearance	500mm						
Side Wall Clearance	300mm						
Machine Weight	450kg						

MIDI BALER HB160



THE BENEFITS

- Safe and easy to operate
- Saves time & space
- Easy to store & transport bales
- Average bale 160-170kg
- Complies to BS EN 16500:2014

TECHNICAL DATA

Dimensional Data		Electrical Specification		Machine Specification		Bale Size	
Overall Width	1400mm	Supply Voltage	230Vac	Compaction Force	10 tonnes	Width	1080mm
Overall Depth	945mm	Phase	Single	Motor	2.2kW	Depth	680mm
Overall Height	2280mm	Max Current	13A	System Pressure	95 bar	Height	800mm
Feed Height	870mm	IP Rating	IP55	Cycle Time	50 secs	Weight	160-170kg
Bale Chamber Depth	700mm	Control Circuit	24vdc	No. of Rams	2		
Load Aperture Width	1080mm			Cylinder Stroke	700mm		
Load Aperture Height	600mm			Cylinder Bore	80mm		
No. of Ties (9mm tape)	4			Pump	11.3 lpm		
Back Wall Clearance	500mm						
Side Wall Clearance	300mm						
Machine Weight	650kg						

MILL SIZE BALER HB450



THE BENEFITS

- Average bale 400 - 450kg
- Saving on carriage costs
- Safer, tidier site, with more room
- Easy & safe to operate
- Complies to BS EN 16500:2014

TECHNICAL DATA

Dimensional Data		Electrical Specification		Machine Specification		Bale Size	
Overall Width	1710mm	Supply Voltage	415Vac	Compaction Force	25 tonnes	Width	1200mm
Overall Depth	1357mm	Phase	Three	Motor	7.5kW	Depth	800mm
Overall Height	3040mm	Max Current	32A	System Pressure	140 bar	Height	1000mm
Feed Height	1060mm	IP Rating	IP55	Cycle Time	53 secs	Weight	400-450kg
Bale Chamber Depth	800mm	Control Circuit	24vdc	No. of Rams	1		
Load Aperture Width	1200mm			Cylinder Stroke	1000mm		
Load Aperture Height	1000mm			Cylinder Bore	150mm		
No. of Ties (9mm tape)	4			Pump	34 lpm		
Back Wall Clearance	500mm						
Side Wall Clearance	300mm						
Machine Weight	1700kg						

MILL SIZE BALER HB550



THE BENEFITS

- Average bale 500-650kg
- Easy to store & compact to transport
- Saving on carriage costs
- Safer, tidier site, with more room
- Easy & safe to operate
- Environmentally friendly
- Complies to BS EN 16500:2014

TECHNICAL DATA

Dimensional Data		Electrical Specification		Machine Specification		Bale Size	
Overall Width	2000mm	Supply Voltage	415Vac	Compaction Force	35,982kg	Width	1550mm
Overall Depth	1250mm	Phase	Three	Motor	7.5kW	Depth	750mm
Overall Height	3248mm	Max Current	32A	System Pressure	150 bar	Height	1200mm
Feed Height	1320mm	IP Rating	IP55	Cycle Time	36 secs	Weight	500-650kg
Bale Chamber Depth	750mm	Control Circuit	24Vdc	No. of Rams	2		
Load Aperture Width	1550mm			Cylinder Stroke	1000mm		
Load Aperture Height	640mm			Cylinder Bore	120mm		
No. of Ties (9mm tape)	4-6			Pump	34 lpm		
Back Wall Clearance	500mm						
Side Wall Clearance	300mm						
Machine Weight	2340kg						

SC3000



THE BENEFITS

- Easy, safe & quick to operate
- Reduces uplifts & haulage costs
- Labour saving
- Saves up to 85% of transport costs
- Clean & tidy site, eliminating wind scatter
- High compaction ratio
- It has a $\frac{3}{4}$ full & full indicator
- Reduces carbon footprint

TECHNICAL DATA

Dimensional Data		Electrical Specification		Machine Specification		Optional Features	
Overall Width*	2280mm	Supply Voltage	415Vac	Compaction Ratio	Up to 4:1	SmartTec (status notifications)	
Overall Length*	3320mm	Phase	Three	Compaction Force	32 tonnes	SolarPac (solar power)	
Overall Height*	2493mm	Max Current	32A	Ram Penetration	300mm	Photo Cell (auto start)	
Back Wall Clearance	500mm	IP Rating	IP55	Motor	7.5kW	Oil Cooler	
Side Wall Clearance	1000mm	Control Circuit	24Vdc	System Pressure	145 bar	Open Hopper	
Machine Weight	3500kg			Cycle Time	45 secs	Extra Side Loading Door	
Charge Box Volume	2m ³			No. of Rams	2	Enclosed Hopper	
Charge Box Width	1500mm			75% Full Light			
Overall Length Inc Skip*	10.5m			100% Full Light			

* Sizes dependent on machine design

SC3000BL



THE BENEFITS

- Easy, safe & quick to operate
- Reduces uplifts & haulage costs
- Labour saving
- Saves up to 85% of transport costs
- Clean & tidy site, eliminating wind scatter
- High compaction ratio
- It has a $\frac{3}{4}$ full & full indicator
- Reduces carbon footprint

TECHNICAL DATA

Dimensional Data		Electrical Specification		Machine Specification		Optional Features	
Overall Width*	4335mm	Supply Voltage	415Vac	Compaction Ratio	Up to 4:1	SmartTec (status notifications)	
Overall Length*	3320mm	Phase	Three	Compaction Force	32 tonnes	SolarPac (solar power)	
Overall Height*	2465mm	Max Current	32A	Ram Penetration	300mm	Photo Cell (auto start)	
Back Wall Clearance	500mm	IP Rating	IP55	Motor	7.5kW	Oil Cooler	
Side Wall Clearance	1000mm	Control Circuit	24Vdc	System Pressure	145 bar	Comb Lift or Trunnion Lift	
Machine Weight	4200kg			Cycle Time	45 secs		
Charge Box Volume	2m ³			No. of Rams	2		
Charge Box Width	1500mm			75% Full Light			
Overall Length Inc Skip*	10.5m			100% Full Light			

* Sizes dependent on machine design

MOBILE COMPACTOR MC14



THE BENEFITS

- Safe & easy to operate
- Cuts uplifts & transport costs
- It has a $\frac{3}{4}$ full & full indicator
- Liquid retentive
- Saves space (Up to 6:1 compaction ratio)
- Odour free, tidier & more efficient site

TECHNICAL DATA

Dimensional Data		Electrical Specification		Machine Specification		Optional Features
Overall Width	1777mm	Supply Voltage	415Vac	Compaction Force	27500	SmartTec (status notifications)
Overall Length	4398mm	Phase	Three	Motor	4kW	SolarPac (solar power)
Overall Height	2330mm	Max Current	32A	System Pressure	175 bar	
Machine Weight	2900kg	IP Rating	IP55	Cycle Time	62 secs	
Machine Capacity	12m ³	Control Circuit	24Vdc	75% Full Light		
				100% Full Light		

MOBILE COMPACTOR MC14BL



THE BENEFITS

- Safe & easy to operate
- Cuts uplifts & transport costs
- Has a $\frac{3}{4}$ full & full indicator
- Liquid retentive
- Saves space (Up to 4:1 compaction ratio)
- Odour free, tidier & more efficient site

TECHNICAL DATA

Dimensional Data		Electrical Specification		Machine Specification		Optional Features
Overall Width	1796mm	Supply Voltage	415vac	Compaction Force	28275	SmarTec (status notifications) SolarPac (solar power)
Overall Length	4680mm	Phase	Three	Motor	5.5kW	
Overall Height	2250mm	Max Current	32A	System Pressure	180 bar	
Machine Weight	3500kg	IP Rating	IP55	Cycle Time	49 secs	
Machine Capacity	9m ³	Control Circuit	24vdc	Bin Lift	240l - 1100l	
				75% Full Light		
				100% Full Light		

MOBILE COMPACTOR MC32BL



THE BENEFITS

- Safe & easy to operate
- Cuts uplifts & transport costs
- It has a $\frac{3}{4}$ full & full indicator
- Reduces manual handling
- Liquid retentive
- Saves space (Up to 6:1 compaction ratio)
- Odour free, tidier & more efficient site
- Can be loaded while running

TECHNICAL DATA

Dimensional Data		Electrical Specification		Machine Specification		Optional Features
Overall Width	2400mm	Supply Voltage	415Vac	Compaction Force	38 tonnes	SmartTec (status notifications)
Overall Length	7500mm	Phase	Three	Motor	5.5kW	SolarPac (solar power)
Overall Height	2600mm	Max Current	32A	System Pressure	230 bar	Various Hopper Configurations
Machine Weight	5800kg	IP Rating	IP55	Cycle Time	45 secs	Extra Side Loading Door
Machine Capacity	22m ³	Control Circuit	24Vdc	75% Full Light		Safety Barriers
				100% Full Light		Full Safety Cage

HUBB COMPACTOR



THE BENEFITS

- Takes up the space of just 6 x 1100l bins
- Compacts up to 3 tonnes
- Reduces vehicle movements
- Keeps waste contained and out of sight

TECHNICAL DATA

Dimensional Data

Compactor	
Width	900mm
Length	1471mm
Height	1856mm
Container	
Width	1500
Length	4111mm
Height	1805mm
Capacity	11.30m ³

Electrical Specification

Supply Voltage	230Vac
Phase	Single
Max Current	13A
IP Rating	IP54
Control Circuit	24Vdc

Machine Specification

Compaction Force	8000N
Motor	1.1kW
System Pressure	105 bar
Cycle Time	38 secs

CONSUMABLES & MAINTENANCE

CONSUMABLES

All three types of balers supplied by Recorra use a choice of either baling twine or wire. For small and medium balers either can be used, but galvanised, baling cut-and-loop wire is required for mill size balers.

Baling Wire

Baler wire comes in 14- or 17-foot lengths. These are supplied in 25kg bundles, and each bundle contains enough wire to make around 20 bales.

Baling Twine

Baler twine is supplied in boxes of 8 x 320 metre reels.

MAINTENANCE

Full, certified training can be provided for all compactor and baler installations. Maintenance and repair services include:

- Service contracts (preventative)
- On-site breakdown service - fast and efficient response
- Equipment safety inspections and certification
- Operator training and certification

ORDERING INFORMATION

Our recycling experts will help you make the right choice for your business. To get in touch, contact us via your local helpdesk.

London
Email: helpdesk.london@recorra.co.uk
Call: 020 7407 9100

Brighton
Email: helpdesk.brighton@recorra.co.uk
Call: 01273 685 628

Hastings
Email: helpdesk.hastings@recorra.co.uk
Call: 01424 853 985

Recorra has donated over **£550,000**
to our charity partners.



Recorra 
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