



TWIN RAM BALERS

**A MARKET LEADER IN
WASTE COMPACTION SOLUTIONS**

www.ckinternational.co.uk



International

ABOUT US



WE ARE A MARKET LEADER IN WASTE COMPACTION EQUIPMENT

At CK International, we manufacture and supply a large range of balers and compactors. We have listened to our customers and through innovation and design have developed solutions that satisfy their needs.

We are passionate about developing our people and as a result, we have created a team of experts which drives our customer-focused approach.

WHAT EQUIPMENT DO WE OFFER?

We manufacture one of the most extensive range of balers and compactors including fully automatic twin ram balers, semi-automatic horizontal balers and vertical balers at our factory in Dungannon.

Our expert engineering team can customise our machines to provide bespoke solutions for our customers.

WHAT MAKES CK DIFFERENT?



QUALITY

Our fabricators and engineers follow strict processes to ensure the highest standard of quality. A serial number is assigned to each individual machine so that machines can be traced from date of manufacture. We use highly regarded European components in our machines (for example: Schneider, Bosch)



CUSTOMER SERVICE

When we sign up new distributors we have a team that will always be on hand to offer support and help with any questions you may have. We offer sales and marketing packages for new distributors, competitive pricing and excellent lead times.



INNOVATION

Our engineering department is continually upgrading machines and innovating in response to requests from different markets. We pride ourselves on having the ability to customise machines accordingly.



AFTERSALES

We have an excellent after-sales technical team based in house at CK and a fully certified network of engineers. We have a wide range of spare parts to suit all machines which are available on request.



BETTER PREMIUMS & REDUCED TRANSPORT COSTS

Our Twin Ram fully automatic balers help customers achieve better premiums and reduced transport costs on their waste bales. They are ideal for use in waste transfer stations or as part of a larger recycling MRF system where high volumes of various waste materials including RDF, SRF, plastic, PET, cardboard and paper are processed. High throughputs of up to 40 tonne/hr are achievable.

Material can be fed into the machines using conveyor, loading shovel or selector grab. These fully automatic machines produce high density mill size bales, with bale weights of up to 1.4 tonnes. Twin Ram automatic balers can streamline bale production and dramatically increase profitability.

BENEFITS OF TWIN RAM SOLUTIONS

- Better premiums on your waste due to the high density bales produced
- Better bale structure
- The ability to switch material stream easily
- Choice of plastic, wire tying or direct wrap
- Flexibility in layout and design

CK INTERNATIONAL CUSTOMERS

Biffa

VEOLIA

Viridor

IKEA

HONDA

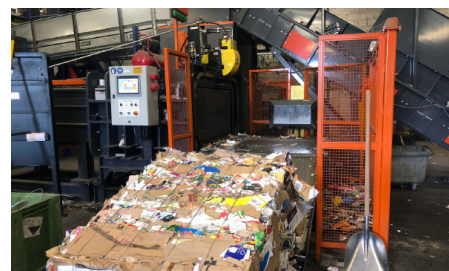
amazon

blue
GROUP

B&M
GROUP

MACHINE FEATURES

- ✓ Rotatable heavy duty shearing blades from D2 hardened steel
- ✓ Replaceable Hardox liners in baling chamber
- ✓ Tongue and groove castellated floor
- ✓ Left or right hand ejection option
- ✓ Wire & plastic tying options available
- ✓ Category 4 safety system
- ✓ Transport in a single 40' shipping containers
- ✓ Position sensor on all rams
- ✓ HMI touch screen controls
- ✓ Heavy duty hopper, flared or conveyor fed
- ✓ PLC with ethernet connection for monitoring and programming
- ✓ Multiple material programmes to vary compaction force and number of ties
- ✓ Bale discharge table



MATERIAL TYPES

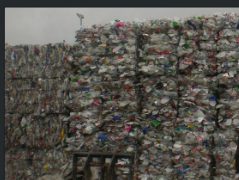
CARDBOARD/PAPER



PLASTIC FILM



PLASTIC BOTTLES



RDF & SRF



PP BAGS



MATTRESSES/CARPETS



STEEL & ALU CANS



RIGID PLASTICS



CKTR63

ENTRY-LEVEL TWIN RAM BALER

The CKTR63 is the ideal entry-level twin ram baler and provides a cost-effective solution for customers who require the benefits of a twin ram baler. It can process up to 3.5 tonnes per hour. The CKTR63 produces high density bales which are easily loaded on shipping containers and optimises payload. A range of materials can be baled in this machine.



BALER DIMENSIONS

Width	4350mm
Length	7200mm

BALE DIMENSIONS

Height	750mm
Width	1100mm
Length	1200mm

BALER PERFORMANCE

Compaction Force	60 tonnes
Throughput @60kg/m ³	Up to 3.5T/hr

CKTR82

HIGH DENSITY TWIN RAM BALER

The CKTR82 is a twin ram baler designed to produce high density bales of multiple materials. It produces a standard mill size bale which optimises the space in a shipping container and maximises the payload.

BALER DIMENSIONS

Width	4700mm*
Length	9900mm*

BALE DIMENSIONS

Height	750mm
Width	1100mm
Length	1300mm**

BALER PERFORMANCE

Compaction Force	60T / 80T / 120T
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*maximum dimensions

**bale length can vary in size



CKTR121

HIGH THROUGHPUT TWIN RAM BALER

The CKTR121XL is a fully automatic twin ram baler designed to produce bales of multiple materials. The high throughput baler produces a large mill size bale which reduces strapping, wrapping, handling and transport costs.



BALER DIMENSIONS

Width	4750mm*
Length	12000mm*

BALE DIMENSIONS

Height	1000mm
Width	1050mm
Length	1400mm**

BALER PERFORMANCE

Compaction Force	80T / 120T / 160T
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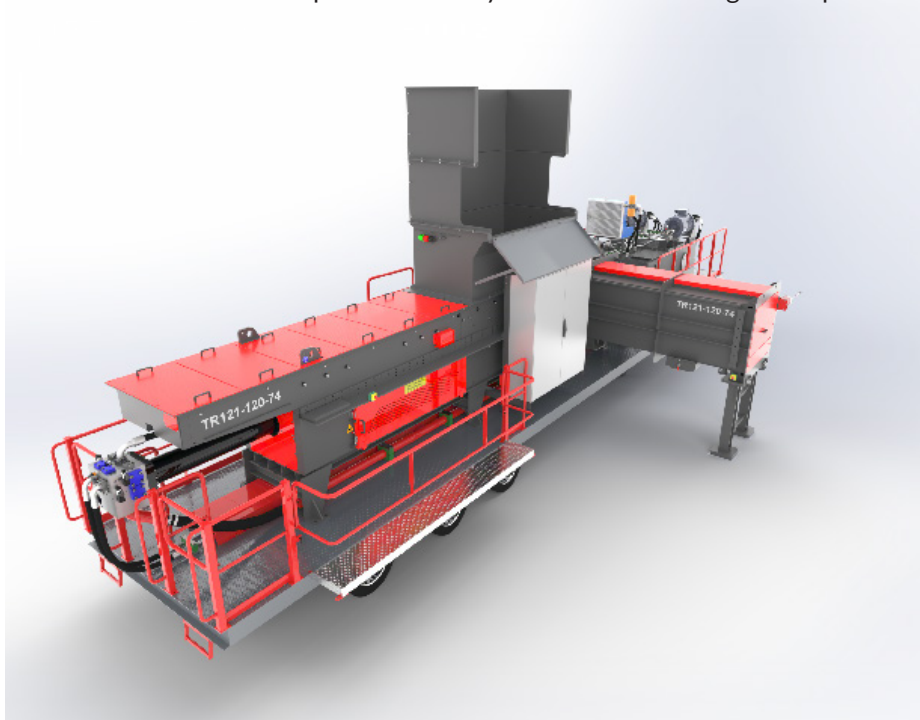
*maximum dimensions

**bale length can vary in size

CKMTRB

THE MOBILE TWIN RAM BALER

THE CKMTRB MOBILE TWIN RAM BALER is ideal for projects where it needs to be moved to various sites with minimal set-up time. It is fully automatic and designed to produce bales of multiple materials.



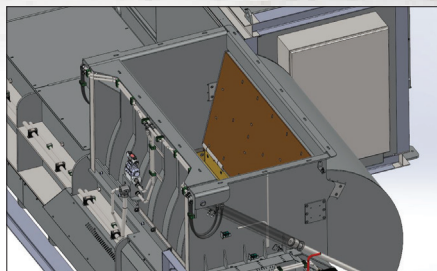
OPTIONS



PLASTIC STRAPPING SYSTEM



PRE PRESS



POWER PACK ACCESS GANTRY



WRAPPERS



DUAL TYING SYSTEM



BALE STAMPER RAM



BALER PERFORMANCE MONITORING



BALE PUSH RAM





BALER PERFORMANCE MONITORING

REMOTE MONITORING OF YOUR BALER'S PERFORMANCE CAN HELP YOU TO INCREASE PRODUCTIVITY, REDUCE DOWNTIME AND INCREASE CAPACITY.

We offer this solution with our twin ram machines which allows operators to access real-time information directly from their mobile device or desktop.

- Cloud-based software:
 - Access via internet
 - Proxy screen on pad or mobile
- Up-to-the-minute performance data
 - Number of bales produced
 - Up/downtime of baler
 - Number of straps
 - Number of hours of active production
- Bespoke screen layouts
- Bespoke programming available
- Data Management
- Downloadable Reports





TESTIMONIALS

“
Inverclyde
council

CK International were recommended to us, they were very professional and helpful in designing a solution to suit our needs. We opted for a CKTR63 Twin Ram Baler with binlift and flared hopper, it was installed and commissioned over 3 days leaving us to get on with production. We are delighted with this project.

Colin Wilson



CYNGOR SIR
YNYS MÔN
ISLE OF ANGLESEY
COUNTY COUNCIL

We have worked with CK International for over 7 years and we have recently installed a Twin Ram Baler for our plastics. It has increased the capacity in our plant and has increased our container weights. I've always found their team really helpful and the quality of their product and after-sales service really good.

Bob William Parry

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When we were sourcing a new baler we thoroughly researched the market to see what kind of Twin Rams were out there, we took time to visit machines in the UK to get a better knowledge of automatic balers. When we dealt with the folks at CK International they understood our needs and specified the right machine for our job. We are very happy with the baler quality and bale densities of the CKTR121 and find the lads in after-sales team very helpful, the back up to the product is as we would expect.

Jason McPolin

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TECHNICAL SPECIFICATION

PERFORMANCE	CKTR63	CKTR82			CKTR121		
COMPACTION FORCE (TONNE)	60T	60T	80T	120T	80T	120T	160T
POWER PACK - MOTOR SIZES	22kW	22kW 37kW	37kW 59kW 74kW	59kW 74kW 110kW	37kW	59kW 74kW 110kW	110kW
BALE WEIGHT RDF		650-800kg	650-800kg	700-850kg	750-1000kg	900-1400kg	1000-1400kg
BALE WEIGHT CARDBOARD	400-500kg	450-525kg	450-550kg	500-650kg	600-775kg	650-825kg	700-900kg
BALE WEIGHT PET	350-450kg	350-450kg	400-525kg	450-600kg	450-600kg	580-750kg	620-800kg
BALE WEIGHT ALU CANS	325-400kg	325-400kg	350-450kg	475-550kg	400-550kg	450-575kg	480-610kg
BALE WEIGHT STEEL CANS	400-550kg	400-550kg	500-650kg	700-850kg	700-860kg	740-925kg	750-950kg
THROUGHPUT @ 120kg/m³	4.5 - 6.5 T/hr	5 - 7 T/hr	9 - 12 T/hr 10 - 15 T/hr 12 - 16 T/hr	15 - 18 T/hr 17 - 20 T/hr 20 - 24 T/hr	12 - 18 T/hr	18 -25 T/hr 22 - 30 T/hr 27 - 35 T/hr	22 - 30 T/hr
THROUGHPUT @ 60kg/m³	2.5 - 3.5 T/hr	3 - 4.5 T/hr	4.5 - 6 T/hr 6 - 8 T/hr 6.5 - 9 T/hr	7.5 - 10 T/hr 8.5 - 11.5 T/hr 10 - 14 T/hr	6 - 9 T/hr	9 - 12 T/hr 11 - 14 T/hr 13 - 16 T/hr	11 - 14 T/hr
THROUGHPUT @ 30kg/m³	2 - 3 T/hr	2.5 - 3.5 T/hr	3 - 4 T/hr 4 - 5.5 T/hr 4.5 - 6.5 T/hr	5 - 6.5 T/hr 5.5 - 7.5 T/hr 8 - 11 T/hr	3 - 4.5 T/hr	4.5 - 7 T/hr 5.5 - 9 T/hr 7 - 10.5 T/hr	5.5 - 9 T/hr

MACHINE DETAIL	CKTR63	CKTR82			CKTR121		
BALE SIZE (H x W x L) mm	750 x 1100 x 1200	750 x 1100 x 1300	750 x 1100 x 1300	750 x 1100 x 1300	1000 x 1050 x 1400	1000 x 1050 x 1400	1000 x 1050 x 1400
FEED OPENING (L x W) mm	1530 X 1050	1800 x 1060	2250 x 1060	2250 x 1060	2250 x 1060	2250 x 1060	2250 x 1060
MACHINE FOOTPRINT (L x W) mm	7200 X 4350	8200 x 4350	9250 x 4350	9900 x 4700	9250 x 4700	12000 x 4750	12000 x 4750
LOWEST FEED HEIGHT (mm)	1600	1600	1600	1600	1950	1950	1950
SPECIFIC PRESSURE AT RAM FACE	72.7 T	72.7 T	96.9 T	145.5T	66.1 T	114.3 T	152 T
CYCLE TIME (DRY CYCLE)	18s	22s	21s 12s 10s	16s 13s 10s	21s	16s 13s 10s	11s

AFTER SALES CARE

CK International operate a nationwide network of experienced electrical & hydraulic engineers who are able to cover all aspects of waste baler and compactor repair and maintenance.

Our team of engineers are strategically placed throughout the UK to ensure that we can respond rapidly to your needs.



AFTER SALES CARE



PLANNED PREVENTATIVE
MAINTENANCE



BREAKDOWN
COVER



INSTALLATION &
DECOMMISSIONING



CONSUMABLES



OPERATOR TRAINING



BALER PARTS

CK INTERNATIONAL LTD ARE A MARKET
LEADER IN WASTE COMPACTION
SOLUTIONS.

The company designs and manufactures a
wide range of balers and compactors. Through
innovation and design, they develop solutions
that satisfy their customer's needs.



International

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