



International

TWIN RAM BALERS

A world leading manufacturer
of Twin Ram Baling Solutions



CK INTERNATIONAL TWIN RAM BALERS

CK International is a UK based waste recycling equipment manufacturer. We design high quality twin ram balers that can be customised to the clients' requirements.

Twin Ram Balers 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 being 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

- Higher bale density
- Better bale structure
- Ability to switch waste stream easily
- Choice of plastic or wire tying
- Flexibility in layout and design

CK INTERNATIONAL CUSTOMERS

Biffa

 **VEOLIA**

 **Viridor**

 **IKEA**

 **HONDA**

 **amazon**

 **blue**
GROUP

 **B&M**
Waste Services

AFTERSALES CARE

CK International operates a network of experienced electrical & hydraulic engineers who are able to cover all aspects of automatic baler installation and maintenance.

Our international dealers are carefully selected to ensure that the CK International high level of servicing is available.

PLANNED
PREVENTATIVE
MAINTENANCE



BREAKDOWN
COVER



INSTALLATION &
DECOMMISSIONING



OPERATOR
TRAINING



BALER PARTS



CONSUMABLES



REMOTE ENGINEERS LOGIN



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.

DIMENSIONS

BALER WIDTH 4700MM

BALER LENGTH 7200MM

BALE DIMS (H x W x L)

750MM X 1100MM X 1200MM

SPECIFICATIONS

COMPACTION FORCE 60 T

POWER PACK 22 KW

THROUGHPUT (OCC) UP TO 3.5 T/HR

KEY FEATURES

- Rotatable heavy duty shearing blades made from D2 hardened steel
- Replaceable Hardox liners in baling chamber
- Tongue and groove castellated floor
- Press plate running on steel rollers
- Left or right hand ejection option
- Wire & plastic tying options available
- 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
- Category 4 safety system
- Transport in a single 40' shipping container



MATERIALS THAT CAN BE BALED

RDF, SRF, MSW, cardboard, plastics, PET, HDPE, hay and straw, shredded paper, aluminium cans, steel cans and other recovered materials.

CUSTOMERS WHO USE THE CKTR63

Council recycling depots, Retail and distribution companies, Agricultural feed manufacturers and Waste recycling companies.

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, Inverclyde Council

Inverclyde
council

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.

DIMENSIONS

BALER WIDTH 4700MM*

BALER LENGTH 9900MM*

**maximum dimensions*

BALE DIMS (H x W x L)

750MM X 1100MM X 1300MM

SPECIFICATIONS

COMPACTION FORCE 80 T / 120T

POWER PACK 37kW / 59kW / 75kW

KEY FEATURES

- Rotatable heavy duty shearing blades made from D2 hardened steel
- Replaceable Hardox liners in baling chamber
- Tongue and groove castellated floor
- Press plate running on steel rollers
- Left or right hand ejection option
- Bale separation door
- Wire & plastic tying options available
- 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
- Category 4 safety system



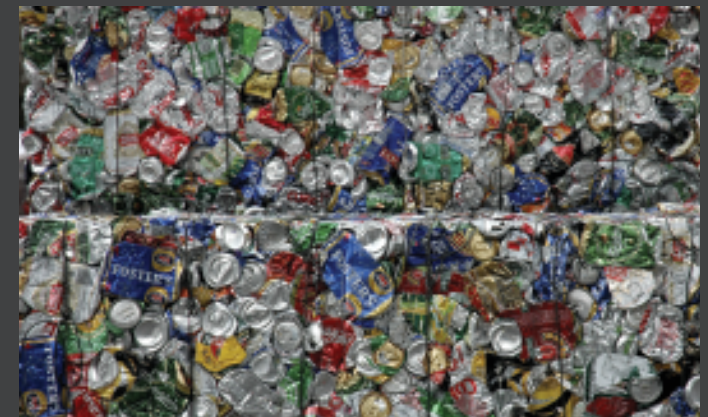
MATERIALS THAT CAN BE BALED

RDF, SRF, MSW, cardboard, plastics, PET, HDPE, shredded paper, aluminium cans, steel cans and other recovered materials.



CUSTOMER WHO USE THE CKTR82

Recycling companies, Council recycling depots, Retail and distribution companies, RDF/SRF processors and EFW plants.



"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 aftersales service really good."

Bob William Parry, Anglesea Council



CYNGOR SIR
YNYS MÔN
ISLE OF ANGLESEY
COUNTY COUNCIL

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.

DIMENSIONS

BALER WIDTH 4750MM*

BALER LENGTH 12000MM*

**maximum dimensions*

BALE DIMS (H x W x L)

1000MM X 1050MM X 1400MM

SPECIFICATIONS

COMPACTION FORCE 80 T / 120T

POWER PACK 37kW / 59kW / 75kW

KEY FEATURES

- Rotatable heavy duty shearing blades made from D2 hardened steel
- Replaceable Hardox liners in baling chamber
- Tongue and groove castellated floor
- Press plate running on steel rollers
- Left or right hand ejection option
- Wire & plastic tying options available
- Bale separation door
- Throughput up to 40T/HR
- 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
- Category 4 safety system

MATERIALS THAT CAN BE BALED

RDF, SRF, MSW, cardboard, plastics, PET, HDPE, bulk bags*, mattresses*, carpets*, shredded paper, aluminium cans, steel cans and other recovered materials.

**when using a pre press lid*

CUSTOMER WHO USE THE GKTR121

Recycling companies, Council recycling depots, Retail and Distribution companies, RDF/SRF processors and EFW plants.

"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



TOTAL WASTE MANAGEMENT



TECHNICAL DATA

MACHINE DETAIL

	CKTR63	CKTR82					CKTR121		
Compaction force (Tonne)	60 T	60T	80T	80T	120 T	120T	80T	120T	120T
Power Pack - Motor sizes	22kW	22kW	37kW	37kW + 22kW	37kW + 22kW	37kW + 37kW	37kW	37kW + 22kW	37kW + 37kW
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	750 x 1100 x 1300	750 x 1100 x 1300	1100 x 1100 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	2250 x 1060	2250 x 1060
Machine Foot Print (L x W) mm*	7200 x 4700	8200 x 4350	9250 x 4350	9900 x 4700	9850 x 4700	9850 x 4700	9250 x 4750	12000 x 4750	12000 x 4750
Lowest Feed Height (mm)	1600	1600	1600	1600	1600	1600	1950	1950	1950
Specific Pressure at Ram Face	72.7T	72.7T	96.9T	96.9T	145.5T	145.5T	66.1T	114.3T	114.3T
Cycle time (Dry Cycle)	18s	22s	21s	10s	12s	10s	21s	14s	10s

* **bale** dimensions will vary with different materials

* **baler** height will vary depending on application

PERFORMANCE

	CKTR63	CKTR82					CKTR121		
Bale weight of RDF	700kg	750kg	800kg	800kg	950kg	950kg	1100kg	1300kg	1300kg
Throughput of RDF - (120kg/m3) - Up to Tonne/Hr	6.5	10	12	15	18	20	18	25	30
Bale weight of Cardboard	500kg	540kg	580kg	580kg	650kg	650kg	820kg	920kg	920kg
Throughput - Cardboard (60kg/m3) - Up to Tonne/Hr	3.5	4.5	6.5	9	9	11.5	9	12	13.5
Bale weight of PET Bottles (perforated)	400kg	420kg	455kg	455kg	520kg	520kg	620kg	700kg	700kg
Throughput of PET - Up to Tonne/Hr	2.5	3	4.5	5.5	6	7	6	7.5	8.5



* bale dimensions will vary with different materials

CK International reserves the right to alter specification without prior notice

Bale weights and throughputs given are guidelines only, actual bale weights depend on operator and material baled

OPTIONAL EXTRAS

WIRE TYING SYSTEM



PRE PRESS



ON FLOOR CHAIN CONVEYOR



WRAPPERS



PLASTIC STRAPPING SYSTEM



BALE STAMPER RAM



IN FLOOR CHAIN DRIVE CONVEYOR



BINLIFTS



DUAL TYING SYSTEM



PLATFORMS AND GANTRY



BESPOKE CONVEYORS



ADVANCED DATA REPORTING





38a Eglisb Rd,
Dungannon, Co.Tyrone,
Northern Ireland,
BT70 1LA.

 www.ckinternational.co.uk

 info@ckinternational.co.uk

 +44 (0) 28 8775 3966