



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 material stream easily ■
- Choice of plastic or wire tying ■
- Flexibility in layout and design ■

CK INTERNATIONAL CUSTOMERS



AFTERSALES CARE

CK International operates a network of experience 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
PRESENTATIVE
MAINTENANCE



BREAKDOWN
COVER



INSTALLATION &
DECOMMISSIONING



OPERATOR
TRAINING



BALER PARTS



CONSUMABLES



REMOTE
ENGINEERS LOGIN



Internet/WAN



CKTR63

ENTRY LEVEL TWIN RAM BALER



DIMENSIONS

BALER WIDTH 4350MM

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 @ 60KG/M³ UP TO 3.5T/HR

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.

KEY FEATURES

- Rotatable heavy duty shearing blades made 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
- 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 manufacturer and waste recycling.

"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*

**bale length can vary in size*

SPECIFICATIONS

COMPACTION FORCE 60 T / 80 T / 120T

POWER PACK 22kW / 37kW / 59kW / 74kW / 110KW

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 of 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 strap-ping, 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*

**bale length can vary*

SPECIFICATIONS

COMPACTION FORCE 80 T / 120T

POWER PACK 37kW / 59kW / 74kW / 110KW

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 CKTR121

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 CT 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 aftersales team very helpful, the back up to the product is as we would expect."

Jason McPolin



TOTAL WASTE MANAGEMENT



TECHNICAL DATA

CK International reserves the right to alter specification without prior notice

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

PERFORMANCE	CKTR63	CKTR82		
Compaction force (Tonne)	60 T	60T	80T	120T
Power Pack - Motor sizes	22kW	22kW / 37kW	37kW / 59kW / 74kW	59kW / 74kW / 110kW
Bale weight of RDF	-	650-800kg	650-800kg	700-850kg
Bale weight of Cardboard	400-500kg	450-525kg	450-550kg	500-650kg
Bale weight of PET	350-450kg	350-450kg	400-525kg	450-600kg
Bale weight of ALU Cans	325-400kg	325-400kg	350-450kg	475-550kg
Bale weight of Steel Cans	400-550kg	400-550kg	500-650kg	700-850kg
Throughput @ 120kg/m³	4.5-6.5 T/hr	5-7 T/hr	9-12 / 10-15 / 12-16 T/hr	15-18 / 17-20 / 20-24 T/hr
Throughput @ 60kg/m³	2.5-3.5 T/hr	3-4.5 T/hr	4.5-6 / 6-8 / 6.5-9 T/hr	7.5-10 / 8.5-11.5 / 10-14 T/hr
Throughput @ 30kg/m³	2-3 T/hr	2.5-3.5 T/hr	3-4 / 4-5.5 / 4.5-6.5 T/hr	5-6.5 / 5.5-7.5 / 8-11 T/hr

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

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

MACHINE DETAIL	CKTR63	CKTR82		
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
Feed Opening (L x W) mm	1530 x 1050	1800 x 1060	2250 x 1060	2250 x 1060
Machine Foot Print (L x W) mm*	7200 x 4350	8200 x 4350	9250 x 4350	9900 x 4700
Lowest Feed Height (mm)	1600	1600	1600	1600
Specific Pressure at Ram Face	72.7T	72.7T	96.9T	145.5T
Cycle time (Dry Cycle)	18s	22s	21s / 12s / 10s	16s / 13s / 10s

	CKTR121	
	80T	120T
	37kW	59kW / 74kW /110kW
	750-1000kg	900-1400kg
	600-775kg	650-825kg
	450-600kg	580-750kg
	400-550kg	450-575kg
	700-860kg	740-925kg
	12-18 T/hr	18-25 / 22-30 / 27-35 T/hr
	6-9 T/hr	9-12 / 11-14 / 13-16 T/hr
	3-4.5 T/hr	4.5-7 / 5.5-9 / 7-10.5 T/hr

	CKTR121	
	1000 x 1050 x 1400	1000 x 1050 x 1400
	2250 x 1060	2250 x 1060
	9250 x 4700	12000 x 4750
	1950	1950
	66.1T	114.3T
	21s	16s / 13s / 10s

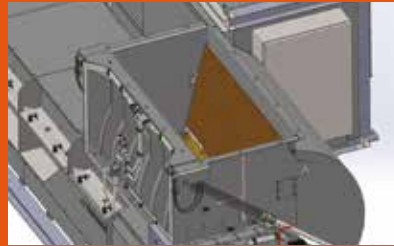


OPTIONAL EXTRAS

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 GANTRYs



BESPOKE CONVEYORS



ADVANCED DATA REPORTING



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