



International

SEMI AUTOMATIC BALERS

A world leading manufacturer
of Semi Automatic Baling Solutions



CK INTERNATIONAL SEMI AUTOMATIC BALERS

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

Semi Automatic 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. They are ideally suited in applications where vertical presses are much too labour intensive to handle the volumes of material.

As semi-automatic horizontal machines process waste against a fixed surface, bale density in these machines often exceed that of channel balers. The machines are capable of processing up to 3 tonnes of material per hour, and the product category is split into 3 different series.

CK INTERNATIONAL CUSTOMERS

Biffa

 **VEOLIA**

 **Viridor**

 **IKEA**

 **HONDA**

 **amazon**

 **blue**
GROUP

 **B&M**
Waste Services

BENEFITS OF SEMI AUTOMATIC SOLUTIONS

- Cost effective
- Excellent bale density
- Ability to switch material stream easily
- Flexibility in design
- Choice of 5 models depending on throughput needed

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



CK450 RANGE



CK450HFE

FULLY EJECT

CK450HFE.PC

FULLY EJECT WITH PORTCULLIS



BALE DIMS (L X W X H)

37.4-47.2 X 45.3 X 29.5 IN*

BALE WEIGHTS

992.3 - 1102.5 LBS*

THROUGHPUTS

0.83 - 1.65 TON P/HOUR

AMOUNT BALED

8 HOUR SHIFT = 6.64 - 13.2 TONS

5 DAY WEEK = 33.2 - 66 TONS

ANNUALLY = 1,726.4 - 3,432 TONS

**approximation - accurate results depend on type of material & loading*

KEY FEATURES

CK450HFE

- Fully eject system
- Perfect for hand loading
- 54 bales in a 40ft container
- Suitable for dock feeding
- 55.1T compaction force
- 7.5kW motor
- 4 steel wire - vertical tie

CK450HFEP

- Fully eject system
- Hydraulic port cullis door
- Hardox Castellated Floor
- 66.2 Ton compaction force
- 11kW motor
- 4 steel wire - Horizontal tie



MATERIALS THAT CAN BE BALED

Paper, cardboard, soft plastics

CUSTOMERS WHO USE THE CK450 RANGE

Distribution and logistic centres, warehouses, large retail shops and manufacturers

“Our favourite CK International product is the CK450HFE as it suits the needs of our customers, due to the bale densities and the cost. We have been selling CK International’s vertical and semi-automatic balers in Spain for over five years and are very happy with the range of models available.”

Enviroglobal, Spain



CK600 RANGE



CK600HFE
FULLY EJECT

CK600HFE.PC
FULLY EJECT WITH PORTCULLIS



BALE DIMS (L X W X H)

47.25-59 X 29.5 X 42.5 IN*

BALE WEIGHTS

1102.5 - 2205 LBS*

THROUGHPUTS

1.65 - 2.3 TON P/HOUR

AMOUNT BALED

8 HOUR SHIFT = 11.6 - 18.4 TONS

5 DAY WEEK = 58 - 92 TONS

ANNUALLY = 3,016 - 4,784 TONS

**approximation – accurate results depend on type of material & loading*

KEY FEATURES

CK600HFE

- Fully eject system
- Ideal for PET and aluminium cans
- 66.2 Ton compaction force
- 15kW motor
- 5 steel wire - horizontal tie

CK600HFEP

- Fully eject system
- Hydraulic portcullis door
- 66.2 Ton compaction force
- 15kW motor
- 5 steel wire - horizontal tie



MATERIALS THAT CAN BE BALED

Cardboard, hard plastics, soft plastics, PET, aluminium cans, steel cans

CUSTOMERS WHO USE THE CK600 RANGE

Waste recyclers, distribution centres, medium and large businesses

"We have distributed CK International horizontal and vertical balers for 6 years in France. We are very satisfied with design and reliability of these machines. The range meets all needs. The friendly CK team are always available to answer our questions."

Gevalys, France



CK850 RANGE



CK850HFE.PC75T

FULLY EJECT WITH PORTCULLIS

BALE DIMS (L X W X H)

57-68.9 X 42.9 X 42.5 IN*

BALE WEIGHTS

1102.5 - 2249.1 LBS

THROUGHPUTS

2.2 - 3.3 TONS P/HOUR

AMOUNT BALED

8 HOUR SHIFT = 17.6 - 26.4 TONS

5 DAY WEEK = 88 - 132 TONS

ANNUALLY = 4,576 - 6,864 TONS

**approximation - accurate results depend
on type of material & loading*

KEY FEATURES

CK850HFEP7.75T

- Fully eject system
- Hydraulic port cullis door
- Hardox castellated floor
- CK's biggest semi automatic baler
- 82.7 Ton compaction force
- 22kW motor
- 5 Steel wire - horizontal tie

MATERIALS THAT CAN BE BALED

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

CUSTOMERS WHO USE THE CK850 RANGE

Waste recyclers, Logistic companies, any businesses with large quantities of waste

"We approached CK international looking for a baling solution for our mixed rigid plastics. Their sales guy was extremely informative and suggested the CK850HFEP7.75T. In terms of through put and power it was hands down above its nearest rival, for size and price. The delivery and installation were hassle free, and training provided was very straightforward. It has been a great investment, and stands head and shoulders above the 2 other balers we have on site and I look to replace these in time with the appropriate CK international product. I would highly recommend them to anyone looking for a serious piece of kit!"

Lytham St. Annes, Skip Hire



TECHNICAL DATA

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

MACHINE DETAIL	CK450HFE	CK450HFE.PC	CK600HFE	CK600HFE.PC
COMPACTION FORCE (TON)	55.1	66.2	66.2	66.2
POWER PACK - MOTOR SIZES	7.5KW / 11KW / 15KW	11KW / 15KW / 22KW	15KW / 22KW	15KW / 22KW
CYCLE TIME (DRY CYCLE)	86 / 60 / 42 SECONDS	60 / 42 / 30 SECONDS	40 / 30 SECONDS	45 / 30 SECONDS
NOISE LEVEL	80DBA	80DBA	80DBA	80DBA
POWER SUPPLY	3 X 415V, 50HZ	3 X 415V, 50HZ	3 X 415V, 50HZ	3 X 415V, 50HZ
BALE SIZE (L X W X H) IN*	37.4-47.2 X 45.3 X 29.5	35.4-51.2 X 43.3 X 29.5	43.3 X 29.5 X 43.3	47.25-59 X 29.5 X 42.5
FEED OPENING (L X W) MM	55.1 X 40.9	58.27 X 40.79	39.37 X 28.35	59 X 28.35
MACHINE DIMENSIONS (L X W X H) IN*	248 X 70.9 X 95.7	283.5 X 63 X 94.6	252 X 55.5 X 104.4	293.3 X 55.5 X 104.4
MACHINE WEIGHT (LBS) APPROX*	13230.0	15435.0	13781.3	13781.3

* bale dimensions will vary with different materials

* baler height will vary depending on application

BALE WEIGHTS (LBS)	CK450HFE	CK450HFE.PC	CK600HFE	CK600HFE.PC
SHREDDED PAPER	1102.5	--	--	--
CARDBOARD	992.3	992.3	1103-1323	1874-2205
SOFT PLASTIC	970.2	970.2	1543.5	1543.5
NON PERFORATED PET	--	--	771.8	771.8
PERFORATED PET	--	--	992.3	992.3
ALUMINIUM CANS	--	--	1058.4	1058.4
HARD PLASTICS	--	--	1102.5-1212.8	1102.5-1212.8
THROUGHPUT (TON P/H)	0.83-1.65	0.83-1.66	1.6-2.2	1.65-2.3

All machines now come standard with aggressive rams, retention claws, interlock access door, power pack cover, anti-whip hoses, bale jam and full beacons, start up alarm, vandal proof door, dual pressure switch.



CK850HFE.PC.75T

- 82.7
- 22KW
- 44 SECONDS
- 80DBA
- 3 X 415V, 50HZ
- 57-68.9 X 42.9 X 42.5
- 68.9 X 41.3
- 336.6 X 63 X 110.3
- 22050.0

CK850HFE.PC.75T

- 2028.6-2249.1
- 1874-2205
- 2205-3307.5
- 882.0
- 1102.5
-
- 1102.5-1874.3
- 2.2-3.3

OPTIONAL EXTRAS

CONVEYORS



PERFORATORS



BESPOKE HOPPERS



BINLIFTS



AGGRESSIVE SHEARING SYSTEMS



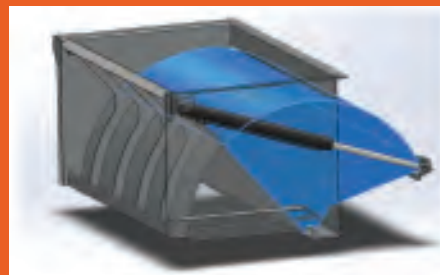
CANOPIES



RETENTION CLAWS



PRE-PRESS



DOCKFEEDING



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