



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 8 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

## CK450H

SECOND BALE EJECT



## CK450HFE

FULLY EJECT



## CK450HFE.PC

FULLY EJECT WITH PORTCULLIS

**BALE DIMS** (L x W x H)

1200MM X 1100MM X 750MM

**BALE WEIGHTS**

450 - 500KG

**THROUGHPUTS**

0.75 - 1.5 TONNE/HOUR

**AMOUNT BALED**

8 HOUR SHIFT = 6 - 8 TONNES

5 DAY WEEK = 30 - 40 TONNES

ANNUALLY = 1500 - 2000 TONNES

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

## KEY FEATURES

### CK450H

- Entry level semi automatic
- 54 bales in a 40ft container
- Second bale eject
- Cost effective option
- 50T compaction force
- 7.5kW motor
- 4 steel wire - vertical tie

### CK450HFE

- Fully eject system
- Perfect for hand loading
- 54 bales in a 40ft container
- Suitable for dock feeding
- 50T compaction force
- 7.5kW motor
- 4 steel wire - vertical tie

### CK450HFPC

- Fully eject system
- Hydraulic port cullis door
- Hardox Castellated Floor
- 60T 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

## CK600H

SECOND BALE EJECT



## CK600HFE

FULLY EJECT



## CK600HFE.PC

FULLY EJECT WITH PORTCULLIS

**BALE DIMS** (L x W x H)

1100 - 1500MM X 750MM X 1080MM

**BALE WEIGHTS**

600 - 650KG

**THROUGHPUTS**

1.5 - 2 TONNE/HOUR

**AMOUNT BALED**

8 HOUR SHIFT = 14-16 TONNES

5 DAY WEEK = 70-80 TONNES

ANNUALLY = 3500-4000 TONNES

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

## KEY FEATURES

### CK600H

- Second bale eject
- Cost effective option
- 50 T compaction force
- 15kW motor
- 5 steel wire - horizontal tie

### CK600HFE

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

### CK600HFPC

- Fully eject system
- Hydraulic port cullis door
- 60 T 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

## CK850H

SECOND BAILE EJECT



## CK850HFE.PC75T

FULLY EJECT WITH PORTCULLIS

**BALE DIMS** (L x W x H)

1450 - 2000MM X 1090MM X 1080MM

**BALE WEIGHTS**

850 - 1000KG

**THROUGHPUTS**

2 - 3 TONNES/HOUR

**AMOUNT BALED**

8 HOUR SHIFT = 22 - 24 TONNES

5 DAY WEEK = 110 - 120 TONNES

ANNUALLY = 5500 - 6000 TONNES

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

## KEY FEATURES

### CK850H

- Second bale eject
- Cost effective option
- Extra long feed opening
- Aggressive shearing system
- 60 T compaction force
- 15kW motor
- 5 Steel wire - horizontal tie

### CK850HFEP7.75T

- Fully eject system
- Hydraulic port cullis door
- Hardox castellated floor
- CK's biggest semi automatic baler
- 75 T 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	CK450H	CK450HFE	CK450HFE.PC	CK600H
Compaction force (Tonne)	50	50	60	50
Power Pack - Motor sizes	7.5kW / 11kW / 15kW	7.5kW / 11kW / 15kW	11kW / 15kW / 22kW	15kW / 22kW
Cycle time (Dry Cycle)	86 / 60 / 49 seconds	86 / 60 / 42 seconds	60 / 42 / 30 seconds	49 / 34 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) mm*	1100-1200 x 1150 x 750	950-1200 x 1150 x 750	900-1300 x 1100 x 750	1400-1500 x 750 x 1080
Feed Opening (L x W) mm	1400 x 1040	1400 x 1040	1480 x 1040	1360 x 720
Machine Dimensions (L x W x H) mm*	5300 x 1800 x 2450	6300 x 1800 x 2430	7200 x 1600 x 2400	5720 x 1410 x 2650
Machine Weight (kgs) approx*	5500	6000	7000	6000

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

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

BALE WEIGHTS (KG)	CK450H	CK450HFE	CK450HFE.PC	CK600H
Shredded paper	500	500		
Cardboard	450	450	450	500-600
Soft Plastic	440	440	440	700
Non perforated PET				350
Perforated PET				450
Aluminium cans				480
Hard Plastics				500-550

CK600HFE	CK600HFE.PC	CK850H	CK850HFE.PC.75T
60	60	60	75
15kW / 22kW	15kW / 22kW	15kW / 22kW	22kW
40 / 30 Seconds	45 / 30 Seconds	50 / 35 seconds	44 seconds
80dBA	80dBA	80dBA	80dBA
3 x 415V, 50Hz	3 x 415V, 50Hz	3 x 415V, 50Hz	3 x 415V, 50Hz
1100 x 750 x 1100	1200-1500 x 750 x 1080	1500-2000 x 1090 x 1080	1450-1750 x 1090 x 1080
1000 x 720	1500 x 720	2000 x 1050	1750 x 1050
6400 x 1410 x 2650	7450 x 1410 x 2650	7510 x 1750 x 2460	8550 x 1600 x 2800
6250	6250	7000	10,000

*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.*

CK600HFE	CK600HFE.PC	CK850H	CK850HFE.PC.75T
		<b>920-1020</b>	<b>920-1020</b>
<b>500-600</b>	<b>500-600</b>	<b>850-1000</b>	<b>850-1000</b>
<b>700</b>	<b>700</b>	<b>1000-1500</b>	<b>1000-1500</b>
<b>350</b>	<b>350</b>	<b>400</b>	<b>400</b>
<b>450</b>	<b>450</b>	<b>500</b>	<b>500</b>
<b>480</b>	<b>480</b>		
<b>500-550</b>	<b>500-550</b>	<b>500-850</b>	<b>500-850</b>

# OPTIONAL EXTRAS

CONVEYORS



PERFORATORS



BESPOKE HOPPERS



BINLIFTS



AGGRESSIVE SHEARING SYSTEMS



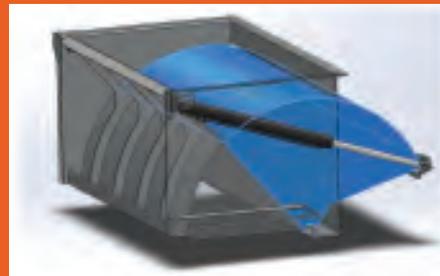
CANOPIES



RETENTION CLAWS



PRE-PRESS



DOCKFEEDING



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