

# Automatic Horizontal Baler

Sinobaler fully automatic horizontal baler is for facilities who want efficient, automatic baling of a variety of materials (from cardboard and paper to packing material and fibers). The key features include fully automatic feeding, compressing, wire threading, wire twisting, tying, wire cutting, and bale ejecting. This makes it a workhorse, capable of large scale recycling without the need for excessive labor.

The electrical functions are controlled by a PLC control system, which promotes uniformity and safety, making this as close to "set it and forget it" as a baler can get. It is generally used for handling large volumes of recyclable material like above 2tons per hour.

With its automatic features, this is an ideal baling machine for paper/cardboard recycling facilities, carton manufacturers, large printing facilities, fiber bales dealer, textile recycling units and distribution centers.

Baling Application: Cardboard, paper, newspaper, natural fibers, film, PET bottles, and packing materials.

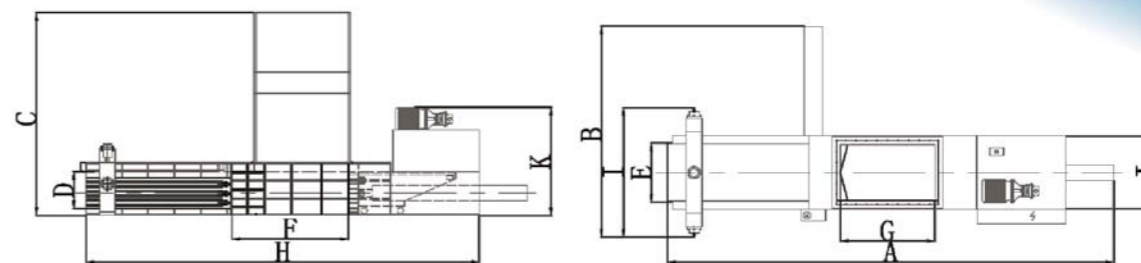
## FEATURES

- Fully Automatic Operation System enables automatic compressing, strapping, wire cutting, and bale ejecting. This is a very efficient machine in terms of labor
- PLC Control System automates the operation and promotes accuracy
- One Button Operation makes compressing, strapping, cutting wires, and bale ejecting as a continuous process, facilitating operation convenience & efficiency
- Adjustable Bale Length for meeting different bale size/ weight requirements
- Cooling System for cooling down the temperature of the hydraulic oil, which protects the machine in high ambient temperature. Either air-cooling or water-cooling is available
- Electric Controlled for easy operation, simply by operating on buttons and switches to fulfill platen moving and bale ejecting
- Horizontal Cutter on Feeding Mouth for cutting off the excessive material to prevent it from being stuck at the feeding mouth
- Touch Screen for conveniently setting and reading parameters
- Automatic Feeding Conveyor is Optional for continuous feeding material, and with the help of sensors and PLC, conveyor will automatically start or stop when the material below or above certain position on hopper. This enhances feeding speed and maximize throughput
- Jam-solving Cylinders are Optional for pushing down the stuck material to enable the horizontal cutters to go through
- Heating Device is Optional for heating up the hydraulic oil to prevent it from getting frozen in low ambient temperature



## Dimensional Data

MODEL	SHBA2-400	SHBA2-600	SHBA2-800	SHBA2-1000	SHBA2-1200
A	5900mm (232")	7300mm (287")	8400mm (331")	9000mm (354")	9500mm (374")
B	3200mm (126")	3400mm (134")	4000mm (157")	4150mm (163")	4150mm (163")
C	3900mm (154")	3900mm (154")	4000mm (157")	4000mm (157")	4100mm (161")
D	720mm (28")	800mm (31")	800mm (31")	1100mm (43")	1100mm (43")
E	800mm (31")	1100mm (43")	1100mm (43")	1100mm (43")	1100mm (43")
F	1650mm (65")	1800mm (71")	2100mm (83")	2100mm (83")	2400mm (94")
G	1200mm (47")	1400mm (55")	1600mm (63")	1600mm (63")	1800mm (71")
H	5300mm (209")	6700mm (264")	7500mm (295")	8180mm (322")	8800mm (346")
I	2000mm (79")	2150mm (85")	2500mm (98")	2600mm (102")	2600mm (102")
J	930mm (37")	1000mm (39")	1350mm (53")	1380mm (54")	1420mm (56")
K	2450mm (96")	2500mm (98")	2550mm (100")	2600mm (102")	2600mm (102")



## Specifications

MODEL		SHBA2-400	SHBA2-600	SHBA2-800	SHBA2-1000	SHBA2-1200
Compressing Force (max.)		40ton (88,000lbs)	60ton (132,000lbs)	80ton (176,000lbs)	100ton (220,000lbs)	120ton (264,000lbs)
Feed Opening	Length	1200mm (47")	1500mm (59")	1600mm (63")	1600mm (63")	1800mm (71")
	Width	720mm (28")	750mm (30")	1100mm (43")	1100mm (43")	1100mm (43")
Compressing Chamber Size	Length	1600mm (63")	1800mm (71")	2100mm (83")	2100mm (83")	2400mm (94")
	Width	800mm (31")	1100mm (43")	1100mm (43")	1100mm (43")	1100mm (43")
	Height	720mm (28")	800mm (31")	800mm (31")	1100mm (43")	1100mm (43")
Bale Size*	Length	L adjustable	L adjustable	L adjustable	L adjustable	L adjustable
	Width	800mm (31")	1100mm (43")	1100mm (43")	1100mm (43")	1100mm (43")
	Height	720mm (28")	800mm (31")	800mm (31")	1100mm (43")	1100mm (43")
Bale Weight (for OCC)**		200-400kg 440-880lbs	300-600kg 660-1320lbs	400-700kg 800-1540lbs	600-1000kg 1320-2200lbs	700-1200kg 1540-2640lbs
	Hydraulic Pressure (max.)	21Mpa (3045psi)	21Mpa (3045psi)	21Mpa (3045psi)	21Mpa (3045psi)	21Mpa (3045psi)
Main Cylinder	Bore	160mm (6.3")	180mm (7.1")	200mm (7.9")	220mm (8.7")	250mm (9.8")
	Piston	120mm (4.7")	130mm (5.1")	140mm (5.5")	160mm (6.3")	180mm (7.1")
	Stroke	1650mm (65")	2000mm (79")	2100mm (83")	2100mm (83")	2400mm (94")
Oil Reservoir		500L (132gal)	1000L (264gal)	1500L (396gal)	1700L (448.8gal)	1900L (501.6gal)
Motor Power		15kw (20HP)	22kw (30HP)	37.5kw (51HP)	45kw (61HP)	30kw x 2 (41HP x 2)
Output (for OCC)***		2-4ton/h	3-5ton/h	5-7ton/h	6-8ton/h	7-10ton/h
Number of Tying		4	4	4	5	5
Cycle Time (unloaded)		10seconds	12seconds	18seconds	15seconds	14seconds
Steel Wire Size		Φ2.7-3.0	Φ2.7-3.0	Φ2.7-3.2	Φ2.8-3.2	Φ2.8-3.2
Machine Weight (approx.)		7000kg(15,400lbs)	10000kg(22,000lbs)	12000kg(26,400lbs)	16000kg(35,200lbs)	18500kg(40,700lbs)

Overall specifications are subject to change without notice. SBM sales representative for your inquiry will give you the exact specifications for your quoted machine.

\*Bale size hereby referred to does not consider bale expanding

\*\* Throughput rates are subject to your material's input density, feed speed, and other variables of production outside the control of Sinobaler.

### Optional Items

- In-feed Conveyor:** for feeding material into the machine
- Cyclone Feeding Device:** for sucking material of small pieces into the chamber of machine
- Cooling System:** for cooling down the oil temperature when ambient temperature is high
- Heating Device:** for heating the oil temperature when ambient temperature is low like below 0 Centigrade

### De-jamming Cylinders:

- for pressing material that get stuck at the feeding mouth so as to let the ram go through
- Shredding Device:** is equipped inside the hopper to shred thick material such as newspaper stacks into loose material to prevent material from getting stuck at the feeding mouth.
- Bale Exit Island :** for the bale to land on it to keep the bales in good shape and also for the convenience of removing bales by forklift