PRESTO
for your pressing issues

Horizontal Balers HPK

Container Pressen I Schneckenverdichter I **Ballenpressen** I Umlade- und Verschiebeanlagen I Hub-Kippvorrichtungen
Compactors I Auger Compactors I **Balers** I Transfer and Shifting Stations I Bin Lifters



Versatile and efficient

PRESTO Horizontal Balers from the HPK Series are used when high volumes of recyclables such as paper, cardboard or plastics are to be processed. The material is pressed into stable, high-density bales that are easy and safe to stack, and the space required for storage of the recyclables is reduced. Length and weight of the bales are selectable.

Baling is fully automatic. The baler can be loaded continuously or intermittently, automatically or manually. The material is compacted by a horizontally driven, hydraulic compaction ram. The bales are tied automatically when the selected bale length is reached.

Reliable and userfriendly

PRESTO Horizontal Balers operate reliably and are easy to use. Their design makes the integration into a waste collection and disposal system easy. PRESTO Horizontal Balers have interlocking guards to protect operators.

The balers conform to the European Machinery Directive 98/37/EC, and have a safety certificate from the German employers' insurance (Berufsgenossenschaft).

Functional and economical

For many companies is the disposal of waste and recyclables a significant cost centre. Environmental awareness of companies and their customers give waste disposal a high profile. PRESTO products are investments that substantially reduce the cost of disposal and demonstrate an environmentally friendly company policy.

Over many years, we have gained an extensive experience in recycling and waste disposal, and have expertise in developing, designing and building machines that enable our customers to reduce cost through streamlining their waste disposal processes.
We work with each customer in analysing his requirements. Our extensive product range allows us to provide a machine for each application with the optimum combination of functionality, size and throughput. The machine would meet the requirements, keep investment and operating costs low, and improve the bottom line.

Horizontal Balers HPK

HPK 50 BSK



Features and benefits

PRESTO Horizontal Balers provide economical disposal of recyclables; the hydraulic balers compact material into stable, square bales of uniform density and same dimensions. These bales are easier to store and transport than non-compacted material. Utilisation of storage space and transport capacity can be maximised and costs of storage and transport significantly reduced.

Development and design of all PRESTO products are guided by our customers' requirements. This ensures that the features of a PRESTO Horizontal Baler give real benefits to our customers:

Centrally, hydraulically powered by an axial piston pump with pressure compensated controls that reduces energy consumption.

Hard-wearing polyamide guides ensure quiet ram movements, guides are adjustable for wear.

Automatic bale tying system with twister mechanism - fast and reliable knot tying with minimum wire usage reduces wire costs.

Articulated needles and single-cylinder drives make wire transfer simple and compact.

Touch free movement sensors operate reliably and increase machine up-time.

Hard-wearing shear blade with extended travel past shear bar slices material reliably.

Compaction without pre-compaction minimises variations in bale length.

Automatic infinitely-variable adjustment of the open-end baling chamber to keep bale density constant and independent of material .

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Customised and suitable

PRESTO Horizontal Balers compact packaging waste and industrial by-products, they are used in a wide variety of industries:

- waste disposal
- retail chain stores
- packaging
- paper
- printing
- mail order companies

We offer in-depth advice when you are looking for a solution to your specific waste disposal problem.

Base model

- automatic bale tying
- material retainer
- photo level sensor initiates baling when charge box is full
- oil level and oil temperature indicators
- multi-function display
- bale counter
- counter for operating hours
- heating for electrical panel
- preselection of compaction pressure
- text display for status and alarms
- graphic with line diagram and LEDs indicates machine operation

Optional accessories

- fluffer
- pusher to prevent bridging in hopper
- covers for needle slots
- wire monitoring
- additional horizontal tying
- wire station for large wire reels
- voltage free contacts
- oil cooler
- oil heater
- level sensing in hopper, linked to automatic loading system
- remote diagnostics audial or optical alarm signal

Special designs

- customised loading chute
- customised, extended bale chute
- conveyors with in-floor sections
- incline conveyors
- perforator
- pre-compaction gate
- bin lifter
- air-conveying system
- dust extraction
- increased baling performance
- file shredder

We would welcome the opportunity to work with you in identifying the best solution for your application.

Automatic adjustment of baling chamber



Wire twister mechanism



HPK 50



Modern PLC-based machine control system indicates machine status and displays error messages should a fault occur.

Pre-selection of compaction pressure enables fast and easy adaption of the baler to different materials.

Replaceable floor plates ensure a long operating life of the baler.

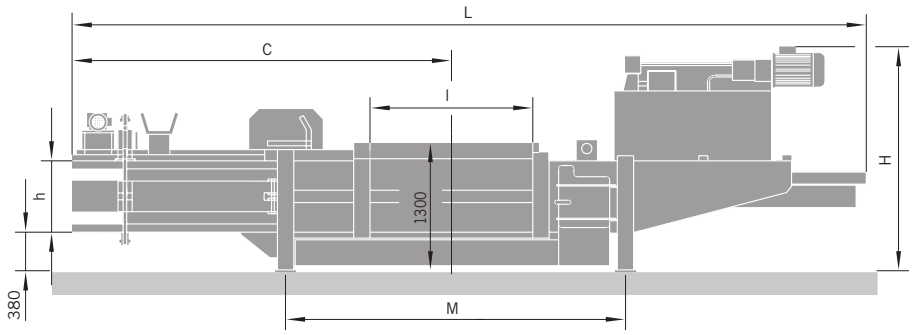
Large access doors ease cleaning.

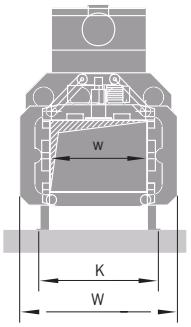
Our wide range of optional accessories enables customisation of PRESTO Horizontal Balers to meet customers' specific requirements.

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Horizontal Balers HPK

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Horizontal Baler HPK	Type	20/40	20/40S	20/50	20/50S	50BK	50BSK	50	50S	50B	50BS	70
Length (L)	mm	6750		6750		6780		7800		8500		8500
Width (W)	mm	1350		1350		1800		1550		1700		1700
Height (H)	mm	2350		2350		2100		2400		2400		2700
C	mm	3525		3525		3430		3725		4425		4425
K	mm	1000		1000		1370		1170		1320		1320
M	mm	2850		2850		2700		3250		3250		3250
Charge opening (w-50) x l	mm^2	700 x 1200		700 x 1200		1050 x 1250		900 x 1600		1050 x 1600		1050 x 1600
Channel cross section h x w	mm^2	700 x 750		700 x 750		700 x 1100		700 x 950		700 x 1100		700 x 1100
Charge box capacity	m^3	0,9		0,9		1,0		1,4		1,6		1,6
Volume throughput - nominal	m^3/h	80	180	80	141	112,5	160	187	266	213	303	329
Volume throughput - actual, dependent on bulk weight of												
- 35 kg/m^3 **uncrushed** department store materials	m^3/h	66	137	51	114	90	130	150	210	170	230	250
- 60 kg/m^3 **uncrushed** mixed materials	m^3/h	62	124	49	105	80	112	145	190	160	210	214
- 100 kg/m^3 **uncrushed** sorted materials	m^3/h	68	120	48	98	75	104	128	145	140	180	190
Compacting force	kN	400		500		500		500		500		700
Ram face pressure	kN/m^2	760		950		650		750		650		910
Cycle time	sec	40	18	54	23	32	22	27	19	27	19	17,5
Number of ties		3		3		4		4		4		4
Weight throughput - dependent on bulk weight												
- 35 kg/m^3 department store materials	t/h	2,3	4,8	1,8	4	3	4,3	5,4	7,4	6	8	8,7
- 60 kg/m^3 mixed materials	t/h	3,7	7,5	2,9	6,3	4,8	6,7	8,8	11,5	9,7	12,6	12,8
- 100 kg/m^3 sorted materials	t/h	6,8	12	4,8	9,8	7,5	10,4	12,8	14,5	14	18	19
Bale weight *	kg	400		450		500		450		500		600
Machine weight, approx.	kg	6,5	7	7	7,5	8,5	8,75	10	10,5	11,5	12	13
Motor rating	kW	15	22	15	22	15	22	30		30		55
Fuse rating (3L, NPE 400 V /50 Hz)	A	50	80	50	80	50	80	100		100		160

* dependent on material and bale length

Technical details are subject to change.

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