

Roll-Packers

Alpha-Pack-Bins

Mobile-Pack-Bins

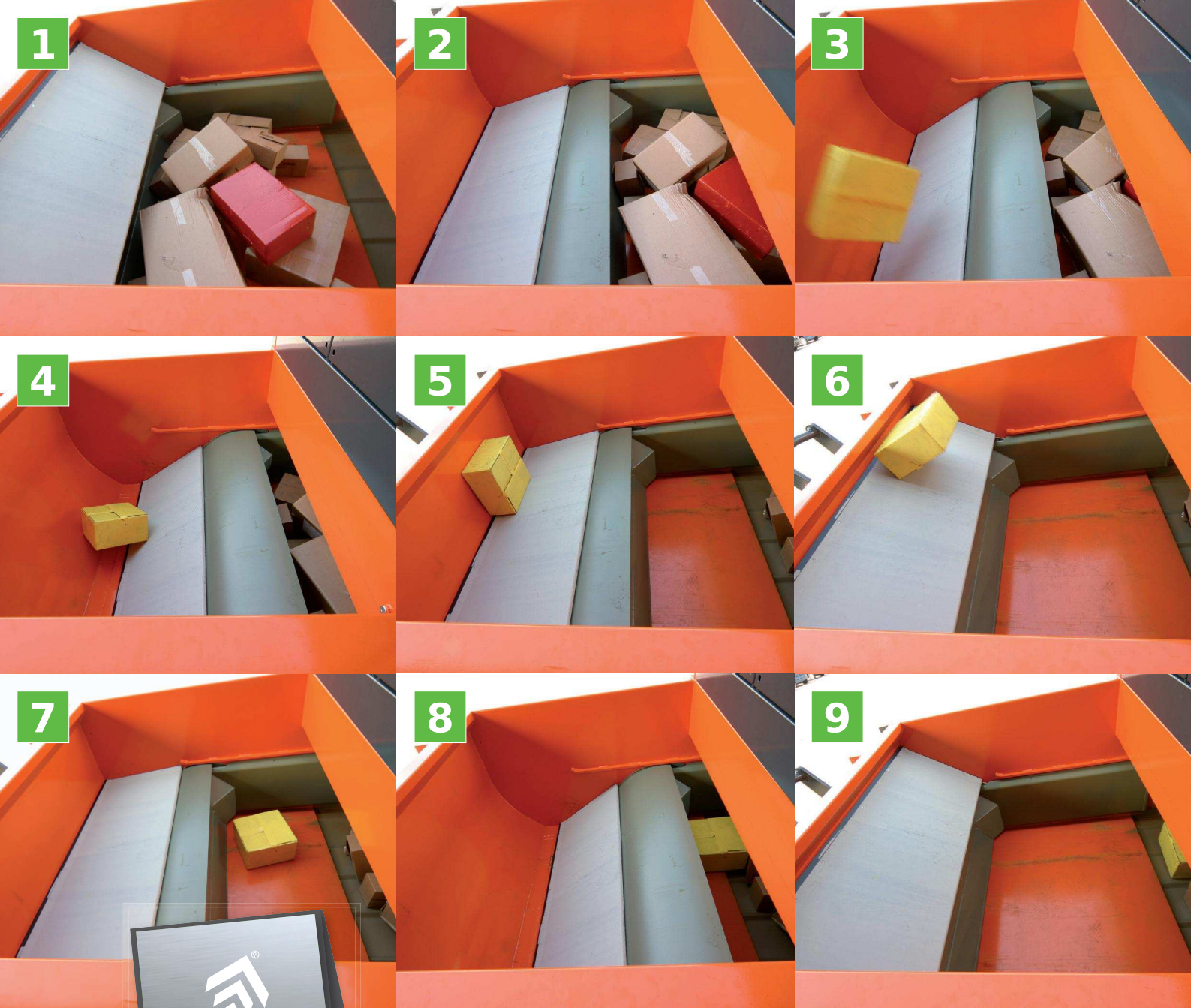
Roto-Compactors

 **BERGMANN**
Machines for
Waste Management



Alpha-Pack-Bins

Maximum compaction results with paper, cardboard and plastics.
Self-cleaning packer blade assembly. Low operating costs.



How it works

- 1** The Alpha-Pack-Bin is fed with material.
- 2** The throw-over blade pushes the material under the breakwall and compacts it.
- 3** More material can also be thrown in during this process.
- 4** **5** **6** **7** The throw-over blade travels back, passes under the material thrown in during the compaction process and pushes it in front of the blade.
- 8** **9** The process then starts all over again.

BERGMANN Alpha-Pack-Bin. A BERGMANN invention.

Essentially, there are four things that BERGMANN does differently than others: Firstly, the material supply technology. Secondly, the arrangement of the compaction cylinders. Thirdly, the roof construction. Fourthly, the uncompromising customer focus.

The throw-over blade. With self-cleaning effect.

The throw-over blade is the central idea behind the BERGMANN invention. As described on the left, it ensures that the compaction chamber automatically remains clean inside. Zero cleaning required. Consequently the APB needs no cleaning flaps. This is unique!

Linear compaction. For maximum compaction.

To ensure optimised transmission of the compaction force, the compaction cylinders are arranged linearly in the BERGMANN Alpha-Pack-Bins. The advantage over the usual intersecting blade found in conventional compaction containers is plain to see: Thanks to the linear blade arrangement, the blade presses with its full compaction force over the entire whole cycle. The result being an extremely high degree of compaction. What is more, the compaction cylinders do not come into contact with the waste and, as a result, customers enjoy the benefits of their exceptionally long service life and low maintenance costs.

The pendulum roof. For easy emptying.

So that the highly compacted material can be emptied easily from the container at the end of the compaction process, BERGMANN has developed the pendulum roof for the APB 606. If the discharge door is opened, the roof swings upwards, providing space above the compacted material. This reduces the pressure on the side walls and the material is "cleared" for emptying.



Additional options and special solutions. To suit every customer request.

Besides the standard APB 606 and APB 607 series (see also page 7), Bergmann also offers a range of accessories and special solutions (see also page 9). From the bin-lift-tipping device to the automatic sending of fill level signals by SMS or e-mail through to the access control facility for a specific group of users.



**Maximum compaction,
longer service life,
lower operating costs,
faster ROI.**



The BERGMANN APB 606
saves up to 80% disposal costs.

Benefits

Maximum compaction. Zero cleaning required.
This makes the BERGMANN Alpha-Pack-Bins exceptionally cost-efficient:
Up to 30% lower disposal costs
than with conventional compaction containers.

BERGMANN Alpha-Pack-Bins.

Compact highly effectively.



Source: Customer details  Conventional compaction container, 20 m³  BERGMANN APB 606, 20 m³

Are exceptionally cost-efficient. An example:

Initial situation: Compacting cardboard packaging (20 m³), volume of waste 7 t/week and/or 364 t/year, fuel consumption 25 l/100 km, fuel price 1.30 Euro/l, distance to landfill site 30 km, transport time 1.43 h (for an average of 42 km/h), costs transport hour 50 Euros, costs cleaning hour 25 Euro.

Benefit calculation: How great is the economic benefit through using a BERGMANN Alpha-Pack-Bin APB 606 SN 20 compared with a conventional compaction container?

	With other compaction containers, 20 m ³	With APB 606, 20 m ³	Difference	Saving
Filling weight	3,2 t	4,5 t		
Emptying time	10 min	5 min		
Cleaning compaction chamber (week)	30 min	0 min		
No. of trips per year	114 trips	81 trips	33 trips	2,360 Euro
Emptying time per year	19 h	7 h	12 h	600 Euro
Fuel consumption	1,710 l	1,215 l	495 l	644 Euro
Cleaning time	26 h	0 h	26 h	650 Euro
Savings in disposal costs per annum				4,254 Euro

Avoiding CO₂-emissions.

With a saving of 495 l diesel fuel per annum (see example above), **you avoid around 1,500 kg CO₂ emissions.**

With a single APB 606 (20 m³).

To achieve the same effect, you would have to leave your car* at home for six months! If you work with an open container (32 m³), either without or with light precompaction, to achieve the same CO₂ savings, you would even have to go without your car for three years!



Would you like to find out by how much you could benefit?
www.bergmann-online.com

* Medium-sized car, 12,000 km/annum



The BERGMANN APB 606. With pendulum roof for easy emptying.

Machines

Alpha-Pack-Bins for trade and industry.
Two powerful series for different requirements.
Easy to operate and extremely low maintenance.

APB 606

APB 607

Types of waste	Paper, cardboard packaging, plastics and other dry materials and refuse	
Where it is used	Supermarkets, trade, distribution, industry, printing shops, local government	
Capacity w/o compaction chamber	approx. 14 to 23 m ³	
Cylinder thrust	up to 345 kN	
Cycle times Single pump Double pump	Forward/return cycle 35/36 s 20/21 s	
Loading aperture Dimensions Volumes	2,000 x 1,700 mm 4,5 m ³	1,800 x 1,700 mm 4,1 m ³
Hook	both sides: fold down at front, variable rigid at back	one side: fold down at front, variable rigid at back (optional)
Rollers	four	two at back (front optional)
Emptying aid	Pendulum roof	conical chute rails
Paintwork	RAL colour as per customer request	
Additional equipment, optional	75 % full signal, 100 % full signal, integrated bin-lift-tipping device, covers over the loading aperture (one/two-piece), hydraulic lid opener, electrical lid opener, funnel over loading aperture, raised side walls, remote control, anti-vandal protection, auto-start photo electric cell, optical signal, acoustic signal, GSM module, drainage connection, fire hose connection, special drive motors, drive via truck hydraulics, special heights, special paintwork, double pump.	

For technical data, refer to separate data sheet.





Bin-lift-tipping device



Full level signal via GSM module



Galvanised and cast fittings for maximum loading and high durability



Special design: here, for example, with closed compaction chamber and loading chute

Solutions

Customised series production.
With lots of additional options and special solutions.
Uncompromising customer focus.

BERGMANN Alpha-Pack-Bins.

Bin-lift-tipping device.

Universal for all sizes.

The BERGMANN bin-lift-tipping device lifts up the waste bin and tips the waste into the compaction chamber. The special feature compared with conventional bin lifts is that it first lifts up the bin and then tips it. This means that waste bins of different heights can be picked up – without any need for adjustment! From 120 l waste bins through to large 1,100 l waste bins. Available with pivot or comb-type pick-up system.

GSM module.

Fill level signal sent by radio.

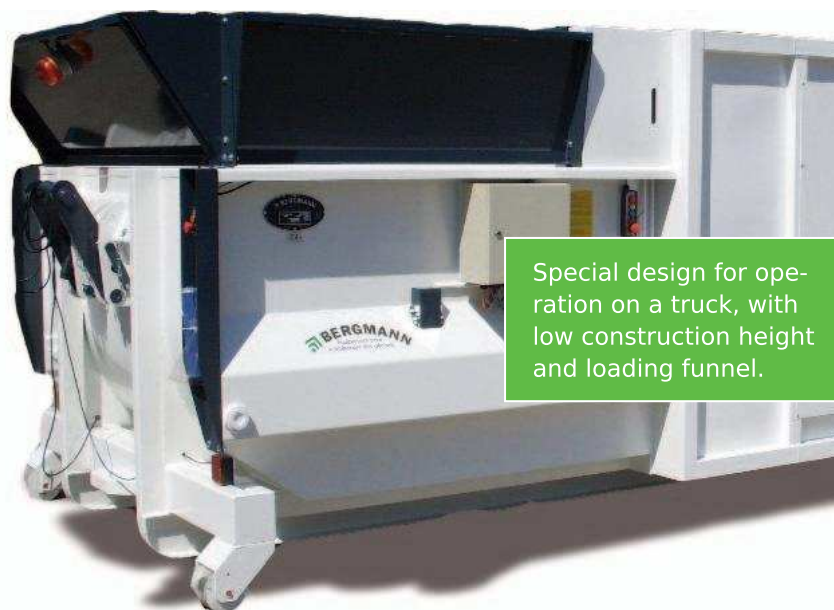
No emptying trips on spec! This is the main benefit of a GSM module for the automatic sending of full level signal by SMS or e-mail (see picture top left). As a new customer, simply log in via the Internet at www.bergmann-online.com, enter your mobile phone number or e-mail address, and from this moment on, you will be notified automatically as soon as the APB has reached the specified fill level. This gives you the security of knowing that the APB's capacity has been used to maximum before you call your disposal contractor. Even better – the SMS or e-mail can also be sent directly to your disposal contractor.

Customer-specific special solutions.

Special tasks call for special solutions. This is where we will gladly assist you with our inventive talent, our wealth of experience and our claim to constantly developing our machines in line with our customers' needs. We have already implemented many special solutions. By way of example, a mobile APB installed on the back of a truck, which collects waste from various sites and compresses this as it travels along, plus a disposal concept with secure access for a specific group of users and many more.

Come to us with your requirements. And together we will devise an optimised solution.

Additional options and special solutions on request.





We do more.

Always listen carefully to our customers.

Unconventional as a problem solver.

Fast and reliable as a service partner.

15 years spare parts guarantee.

That is BERGMANN.

Listen carefully and devise a solution.

As one of the pioneers in building machines for the waste management industry, we always listen carefully to customers in our family business. From the initial consulting stage through to the after-sales service. Accordingly, besides our standardised machines, we also offer a range of special solutions and accessories. Numerous BERGMANN inventions are the outcome of an intensive dialogue by our experienced technicians and design engineers with our customers. Ideas and requests are interpreted in an unconventional way and put into practice.

40 years of experience.

We are aware of the fact that lots of manufacturers like to copy BERGMANN machines. And we take that as a compliment. We also know that no copy is as perfect as the original by those who invented it! Worldwide technology experience, developed over decades, a constant striving for perfection and efficiency and the will to find the best solution for every customer – these are the qualities that define BERGMANN.

Thorough material inspections and manufacturing controls and the consistent checking of the assemblies for their long-term performance go to ensure that BERGMANN machines are highly durable and extremely reliable. Needless to say, they are also certified by independent testing institutes.

Internationally recognised.

Thanks to our highly efficient, customer-oriented machine developments, we are an internationally recognised company. Whether these are Roll-Packers, Alpha-Pack-Bins, Mobile-Pack-Bins or Roto-Compactors – the name BERGMANN is associated, both in Germany and abroad, with high compaction and low maintenance – and not forgetting quality 'Made in Germany'!

You can rely on us.

A wide service network with friendly, experienced technicians and 15 years' spare parts availability constitute the basis of BERGMANN's highly professional after-sales service. Quickly on site, whenever you need us.



Machines for waste management. We have the right solution for you. Please contact us on: Phone: +49 (0)5933 955-0.

The hallmarks of all BERGMANN machines:

They are market leaders in terms of compaction and cost-efficiency. Permit continuous filling.

Are easy to empty. And require extremely low maintenance.



Roll-Packers

The rolling pronged drums for open containers. Both as a stationary or mobile compactor for waste and recyclable materials. Used worldwide for over 30 years.



Alpha-Pack-Bins

Compaction containers with self-cleaning throw-over blade technology. For paper, cardboard packaging and other dry waste materials.



Mobile-Pack-Bins

Compaction containers designed for refuse and wet waste. Smart pendulum blade technology renders cleaning in the compaction area unnecessary.



Roto-Compactors

Waste compactors designed for the continuous feeding of wet and dry waste materials. Compacts up to 800 kg as bales or in roller bins.

Contact

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