

Roto-Compactors

THE ROTATING „SPIKED DRUM“
SHREDS AND COMPACTS
IN A TINY FOOTPRINT

Compacts recyclable material and waste
directly at the place where it is generated

So easy to use due to
continuous filling

Saves time and cost



 **BERGMANN**
Machines for
Waste Management



Roto-Compactors

PS 800 PS 1000-E PS 1400-E PS 8100 APS 800 APS 1100-E

Compaction concept:
Grips, tears, compacts.



Compaction ratio up to **10 : 1!**

Functional principle: right/left rotating compaction drum

Benefit



Our strategy for the economic handling of waste

BERGMANN Roto-Compactors – make light work of waste disposal.

There's no need to allocate too much space or people for your waste disposal. BERGMANN Roto-Compactors have a small footprint, can be filled continuously and can be used by anybody. For almost 30 years this technology sets the standard for longevity, reliability, quality and maintainability throughout Europe.

Extreme compaction saves space and money!

The alternating right/left rotating special drum keeps the material under permanent pressure reducing collections by 80-90 %.

A clean working environment by eliminating space consuming wheelie bins.

How much space do you need for 250 kg of uncompacted cardboard? How expensive are storage and disposal trips? A BERGMANN Roto-Compactor pays off within shortest time.

Compacted material per m³

Material		Weight/m ³
A	Cardboard	approx. 250 kg
B	Plastic film	approx. 140 kg
C	Styrofoam	approx. 60 kg
D	Residual waste	approx. 300 - 700 kg



Fig.: BERGMANN PS 1000-E (here with accessory equipment chute) needs a footprint of only approx. 1,20 m x 1,60 m.

Operating sites

Anywhere, where light waste is generated, as in:

- supermarkets
- canteens, kitchens
- restaurants
- industry
- banks
- hospitals
- retirement homes
- retail
- hotels
- service companies and many more



Silent and low-maintenance drive: Compaction into a plastic bag!



PS 800: **0,8 m³.**
(hydraulic)

PS 1000 - E: **1,0 m³.**
(electric)

Operation



Efficient compaction of all types of waste!

BERGMANN Roto-Compactors

Compaction at site pays off:

Example BERGMANN PS 1400-E:

The waste is compacted inside a 1400 litre PE-bag. The compaction drum bales the bag layer by layer.

10 m³ cardboard becomes a compact bale with a volume of 1,4 m³ and a weight of approx. 400 kg!

BERGMANN Roto-Compactors can be filled continuously and safely while compacting.

**Simply throw it in
and forget it;
just like a waste bin!**



Fig.: BERGMANN PS 1400-E (here with accessory equipment chute) produces a square bale of approx. 1 m³ from 10 m³ cardboard. This saves handling and transport costs!



PS 8100: 1,0 m³.
(hydraulic)

PS 1400 - E: 1,4 m³.
(electric)

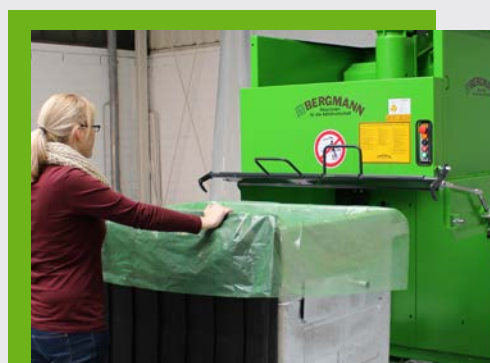


Compaction in a wheelie bin for wet and dry waste!



APS 800: 800 l.
(hydraulic)

APS 1100-E: 1100 l.
(electric)



Operation with a plastic bag the wheelie bin is kept clean (e.g. in case of soiled or wet waste)

The best way to compact all types of wheelie bin waste!

Durability – Our priority!

BERGMANN Roto-Compactors are robust and low maintenance – particularly suitable for continuous operation and demanding applications. They are equipped either with a durable hydraulic or a strong electric drive (see overview on page 8 and 9). Highest quality and production standards make sure that the special compaction drum rotates reliably for a long time!

Very simple – Anybody can do it!

The operation of the BERGMANN Roto-Compactor is so simple. The Roto-Compactor can be easily and safely used by anybody with minimal training.

Big impact with little fuss.

BERGMANN Roto-Compactors need very little space. No structural alternations are necessary. In contrast: You will gain space that would otherwise be needed for the storage of uncompacted waste and now freed up to other purposes.

Made in Germany Invented by BERGMANN



Fig.: BERGMANN APS 1100-E (here with accessory equipment chute) needs approx. 2,00 m³ footprint and max. 2,60 m height.

When the bin is full with compacted material it can be moved to the collection place easily where it will be emptied by a refuse collection vehicle.



Compacting waste directly at the place of origin: BERGMANN Roto-Compactors



PS 800

PS 1000-E

PS 1400-E

Material	cardboard, paper, plastic film, styrofoam, wood waste, fruit/vegetable crates, light re cans, substitute fuels, light scrap		
	Basically everything that fits in and is compactable!		
Capacity	800 ltr PE-bag Bale measurement: W: 950 mm D: 1.000 mm H: 900 mm	1000 ltr PE-bag Bale measurement: Ø 1.100 mm H: 1.100 mm	1400 ltr PE-bag Bale measurement: W: 1.100 mm D: 1.200 mm H: 1.100 mm
Operating sites	retail industry, wholesale, industry		
	Basically everywhere where waste is generated!		
Drive	hydraulic 	electric 	electric 
Accessory equipment	chute, ozone generator, plastic film knives, water sprinkling system, cover, fullsignal v		
Filling height	chute: 1.520 mm	faceplate: 1.890 mm option chute: 1.470 mm	faceplate: 1.890 mm option chute: 1.470 mm
Measurements	width: 1.084 mm depth: 1.630 mm max. height: 2.360 mm	width: 1.200 mm depth: 1.670 mm max. height: 2.580 mm	width: 1.200 mm depth: 1.710 mm max. height: 2.580 mm
Own weight	740 kg	930 kg	940 kg
Noise level	76 dB	59 dB	59 dB
Electrical connection	400 V / 3 Ph / 50 Hz / 2,2 kW	400 V / 3 Ph / 50 Hz +N / 1,5 kW optional 3 kW	400 V / 3 Ph / 50 Hz +N / 1,5 kW optional 3 kW
Rotational speed of the drum	20 rpm	20 rpm optional 35 rpm	20 rpm optional 35 rpm

* Subject to technical alterations; images in this brochure show Roto-Compactors with accessory equipment

Overview



The ideal system for every application!



Standard drum with special spike equipment for the effective compaction of paper, cardboard and residual waste



Special drum with exchangeable spikes for the compaction of air bubble film, PVC-plastic bottles, soft plastics, fruit and vegetable crates and much more



Special drum with steel spikes for the compaction of tough cardboard and cardboard tubes

Further drum designs for other materials are also available

PS 8100	APS 800/600	APS 1100-E
fuse, aluminium waste, tin	residual waste, domestic waste, hospital waste, food waste, green waste, mixed waste, cardboard	
1000 ltr PE-bag Bale measurement: Ø 1.100 mm H: 1.100 mm	800 ltr optional 600 ltr bin	1100 ltr optional 1000 ltr bin with flat lid
hospitals, retirement homes, care homes, restaurants, hotels, food retail market, luxury food industry		
hydraulic 	hydraulic 	electric 
via flashing light, pallets adapter, lateral chute and much more		
faceplate: 1.890 mm option chute: 1.470 mm	chute: 1.520 mm	faceplate: 1.890 mm option chute: 1.470 mm
width: 1.210 mm depth: 1.610 mm height: 2.800 mm	width: 1.150 mm depth: 1.680 mm height: 2.360 mm	width: 1.450 mm depth: 1.730 mm height: 2.580 mm
860 kg	720 kg	900 kg
76 dB	76 dB	59 dB
400 V / 3 Ph / 50 Hz / 2,2 kW	400 V / 3 Ph / 50 Hz / 2,2 kW	400 V / 3 Ph / 50 Hz +N / 1,5 kW optional 3 kW
20 rpm	20 rpm	20 rpm



Bale and wheelie bin handling!



Bale
Roto-Compactor PS 1400-E
approx. 450 kg paper and cardboard
measurements:
L 1.200 x W 1.100 x H 1.100



Bale
Roto-Compactors PS 8100 & PS 1000-E
approx. 300 kg paper and cardboard
measurements:
L 1.100 x W 1.100 x H 1.100



Bale lifting adapter
as a tilt-support for refuse collection
vehicles

100 % quality = **1000** possibilities.

This is BERGMANN



We are the "original"

– hand on heart!

Good ideas come to dominate the market. We are flattered that our ideas and inventions are taken up by others. But we are the original. As a pioneer with 40 years experience we know that with regard to functionality, quality and customer friendliness nobody can show us how to do it or replicate.

We listen

and think ahead

We are always open to new ideas. Many BERGMANN-inventions are the result of an intense dialogue between our experienced technicians and constructors and our customers. We find solutions for today's problems and establish new possibilities for the future as an innovator.

You can rely on us

– always

An extensive service network with friendly, experienced technicians and 15 years spare part availability are the basis of BERGMANN's professional customer service.

Always available whenever you need us.

**Proud to be
the innovator!**



Internationally recognised

"Maximum compaction with an economic attractive investment for years of use": That is a concept with international recognition and a world of satisfied users.





Roto-Compactors



Roll-Packer



Mobile-Pack-Bins



Alpha-Pack-Bins

This is significant for all BERGMANN machines:
They are market-leaders in view of compaction and economic efficiency. They can be filled continuously. It is easy to empty them. They are extremely low maintenance.



 **BERGMANN**
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