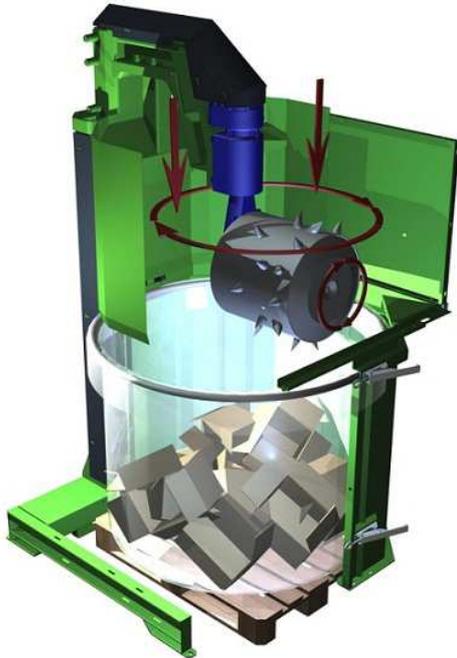




BERGMANN ROTO-COMPACTOR PS 8100

The principle of the Bergmann Roto-Compactor PS 8100



Idea & functional principle

The Roto-Compactor PS 8100 (bag capacity of 1.000 litre) belongs to the hydraulically driven Bergmann rotating waste compactors. The basic idea is to compact waste/recyclable material directly where it will be produced. This leads to savings of disposal trips, reduces the costs and saves the environment.

A left and right rotating compaction drum „steamrolls“ every material and grabs it into a bag. By means of the specially equipped drum the waste will be compacted in layers. Idea, conception and implementation come from Bergmann and the more than 30-year-old experience in this technique.

Easy handling due to continuous filling

Just add a euro-pallet or a one-way pallet (with similar measurements) to the stationary unit. In the second step a 1.000 litre polythene sack will be inserted and the doors will be closed. After the start button has been activated the compaction unit sinks and the waste/recyclable material can be thrown in.

Waiting for the end of the compaction cycles or filling rhythms is not necessary!

The compaction operation takes place automatically. The system will be controlled in a way so that the drum moves forward and backward in permanent change. Just throwing in the material and attend to work again afterwards!

Compaction in layers

The compaction takes place in a **1.000 litre PE-bag**. The compaction drum grabs the material in layers until the full signal will be initiated.

Solely in view of catonage a compaction weight between 250-300 kg will be attained. The PE-bag's share of foil attains a percentage share of only less than 1%. Therefore it fulfills the condition for further processing of the paper respectively the cartonage.

Example:
out of 8 m³ make 1m³!

BERGMANN Machines for Waste Management



Usage

The PS 8100 is particularly suitable for recyclable material, such as paper, cardboard or similar packaging materials. The typical usage of this machine takes place in supermarkets, clothing stores, kiosks, but also in the industry, e.g. the packaging industrie.

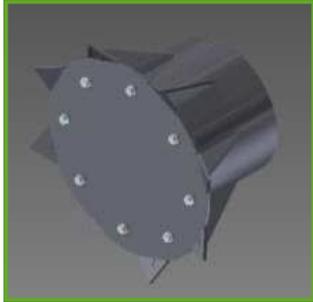
This machine can be filled optionally via chute or faceplate. If the machine will be installed in a high-rise building two possibilities for filling are available. On the one hand the machine could be filled by means of the chute from the ground floor. Apart from that a simultaneously filling from a overlying floor via a waste chute is possible as well. This is only possible with the PS 8100!



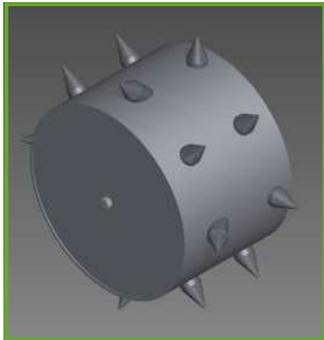
Safety

The Bergmann PS correspond to the European Machinery Directive CE and are equipped with the latest safety technology as standard. For example the door is equipped with a safety limit switch.

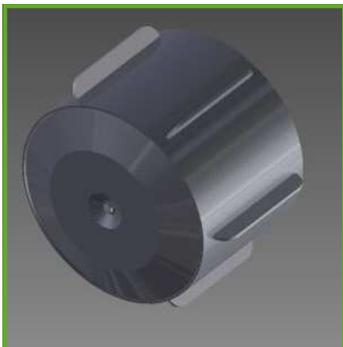




standard drum



special drum with steel cones



special drum with parallel bars



clear and simple control panel

More than 30 years of experience

From the individual gearbox through to the electrical steering the machine is based on the experience of more **than 30 years**. This experience is attributed to the different ranges and uses of our customers, which are reflected in all parts of the serial machine. Moreover, the possible additional accessories are based on **longtime experience!**

Compaction operation

The compaction drum will be driven by a solid angular gear which is driven by a low-maintenance hydraulic motor.

For the most different materials various compaction drums are available.

Safety limit switches on the door

Safety limit switches prevent the intervention into the security zone of the machine.

User friendly

A solid PLC-control (incl. display) within the control cabinet takes over the control of the machine. The display makes it possible to read out the operating hours or change the running time of the machine.

Control panel

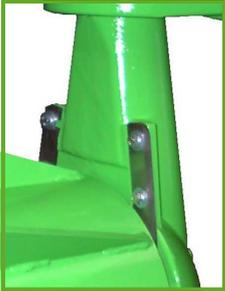
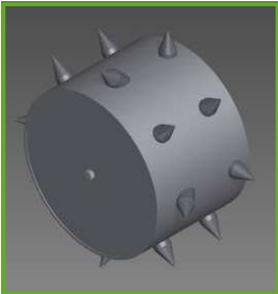
The clear control panel guarantees a reliable operation and easy handling of the machine. The programmes are individual available and therefore for nearly every customer requirement adaptable.

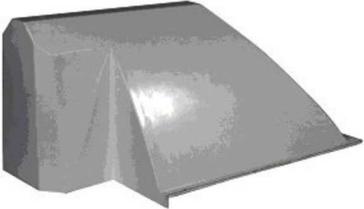
Technical data of the PS 8100

<p><u>Driving unit</u></p> <p>Driving power</p> <p>Compaction unit 2,2 kW / 1.455 U/min</p> <p>Rotation speed drum approx. 18 U/min</p> <p><u>Gear</u></p> <p>Amount of gear oil</p> <p>Main gear unit 1,0 litre</p> <p>Angle 1,30 litre</p> <p>Gear oil CLP acc. to DIN 51 517, part 3</p> <p>Viskosity from 320 mm²/s at 40°C</p> <p>Temperature range -10°C to +60°C</p>	<p><u>approx. dimensions (without container)</u></p> <p>Width of the machine 1.210 mm</p> <p>Depth of the machine 1.605 mm</p> <p>Height of the machine 2.200 mm</p> <p>Max. required space for handling</p> <p>Width min. 1.600 mm</p> <p>Height min. 2.800 mm</p> <p><u>Electrical data</u></p> <p>Input voltage 400 V / 3Ph</p> <p>Frequency 50 Hz</p> <p>Control voltage 24 V</p> <p>Preliminary fuse on site 3 x 16 A K</p> <p><u>Further information</u></p> <p>Movement manually with spec. equipment</p> <p>Noise level approx. 76 dB(A) acc.to DIN 5045 (1m distance)</p> <p>Total weight approx. 875 kg</p>
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Subject to technical modifications.

EDV-code	Description	Scope of delivery
<p>30301116</p> 	<p><u>Ozone generator</u></p> <p>Prevention of unpleasant odours and disinfection by means of bactericidal, fungicidal and viricidal effect of ozone. Ozone is heavier as air and is generated without the need of operating resources from ambient air. After 20 minutes it will degrade to oxygen. The generator is adjustable from 0 to 200 mg/h.</p>	<p>ozone generator various fixing material</p>
<p>30301320</p> 	<p><u>Chute, pull down</u></p> <p>Chute pull down for an easier filling of the PS. The loading height will be reduced from approx. 1.890mm to 1.480mm. The safety distances are maintained through the foldable chute. This chute is made from aluminium and is supported by a gas spring.</p>	<p>chute, pull down</p>
<p>30301340</p> 	<p><u>Drum for plastic film</u></p> <p>Special drum for the compaction of the most types of plastic film. The drum is equipped with special teeth. Depending on the type of foil the programme will be adapted.</p>	<p>special drum</p>
<p>50000372</p> 	<p><u>PE-bag 90µm, 1000 litre</u></p> <p>Transparent PE-bag with a capacity of 1000 litre and a thickness of 90µm. Available with 50 bags per one roll.</p>	<p>PE-bag</p>

EDV-code	Description	Scope of delivery
<p>30301341</p> 	<p><u>Knife equipment on the gearbox neck</u></p> <p>Additional knives on the gearbox neck which cut the material still more.</p>	<p>knife equipment fixing components</p>
<p>30301349</p> 	<p><u>Special drum with cones</u></p> <p>Special drum equipped with cones for the compaction of tough cardboard packaging.</p>	<p>special drum</p>
<p>30301356</p> 	<p><u>Full signal via flashing light</u></p> <p>An optical sign that advises the operator of the 100% full signal. (picture shows flashing light mounted on the roof)</p>	<p>flashing light various electrical components</p>

EDV-code	Description	Scope of delivery
<p>30301360</p> 	<p><u>Roof made by fibreglass-reinforced plastic</u></p> <p>Plastic pointed roof as a security against rain for the installation of the machine in an outdoor area. Thereby cardboard or other recyclable can be protected against the influence of weather.</p>	<p>plastic pointed roof</p>
<p>30301365</p> 	<p><u>Water sprinkler (via main connection)</u></p> <p>Water sprinkler for the connection to the main water supply.</p>	<p>valves</p> <p>spray nozzle</p> <p>various equipment</p>
<p>30301366</p> 	<p><u>Water sprinkler (via tank and pump)</u></p> <p>Water sprinkling with tank (approx. 40 litre) and pump</p>	<p>tank</p> <p>pump</p> <p>spray nozzle</p> <p>various equipment</p>
<p>30301439</p> 	<p><u>Additional emergency stop button</u></p> <p>An additional emergency stop button on the frame of the machine gives additional safety if a second person recognizes danger.</p>	<p>additional emergency stop button</p>

EDV-code	Description	Scope of delivery
<p>30301391</p> 	<p><u>Retainer for a polythene bag-roll</u></p> <p>Retainer for a polythene bag-roll mounted in the back of the machine. For the storage of one bag-roll (approx. 50 pcs./roll).</p>	<p>retainer</p>
<p>30301869</p> 	<p><u>Oil cooler</u></p> <p>Oil cooler for continuous operation (3-shift-operation) or in extreme environments.</p>	<p>oil cooler</p>
<p>30301421</p> 	<p><u>Oil heating</u></p> <p>Oil heating for the use in extreme environments.</p>	<p>oil heating</p>
<p>30301869</p> 	<p><u>Additional remote control</u></p> <p>Additional remote control with 5m cable.</p>	<p>remote control</p>



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