

english version

Bale convoy

by **Gronning** 



**GET YOUR
BALES
IN A ROW**

Bale convoy

byGronning

We are launching Bale Convoy – our latest co-innovation for professional bale handling during the harvest season. The machine is specifically developed to master large tasks and long working days under European conditions, where bales need to be collected quickly and efficiently in the fields. It is built to be both robust and productive in any given situation.

Bale Convoy is created with a focus on both agricultural contractors and large farming operations, offering an optimal combination of user-friendliness, time-saving, productivity, and simple maintenance.

With Bale Convoy, you get the speed needed to collect bales efficiently and clear the fields for the next crop before the weather changes.

Bale Convoy represents everything we stand for as a company – *innovation, quality and understanding of what it really takes to thrive in today's agriculture.*
- Claus Marcussen, CEO, byGronning



The clever thing about Bale Convoy?

- it's in the details

Revolutionary dual-arm technology meets practical logistics

Bale Convoy redefines the traditional bale handling process with its unique gripper system that handles two bales simultaneously. The gripper mechanism grabs the bales from both sides and lifts them safely onto the platform - *an innovation that not only increases speed but transforms the entire working process.*

Collection and controlled unloading

The gripper arms ensure precise placement of the bales on the platform, after which the bales are guided backwards with a chain drive system. As more bales are loaded, the guide forks automatically adjust for optimal space utilisation on the trailer and stabilise the bales during loading.

The gripper arms hold the top bales in place whilst the trailer is tipped to a 90-degree unloading position. The push-off arms then push the tractor and trailer forward, ensuring precise placement of the bales in stable stacks, up to seven high - ready for collection without restacking.

Flexible adaptation to your working method

Bale Convoy can be adapted to your preferred workflow. Do you work with a bale trailer on your baler? The powerful arms match perfectly if the bale trailer unloads two bales at a time, resulting in faster collection in the fields.

Do you prefer to drive directly behind the baler?

Bale Convoy's strong arms can be used to rotate the bales 90 degrees during collection, thereby maintaining a continuous flow. Between collecting each bale, it can lift the first bale clear of the ground during transport, so it doesn't get damaged or dirty.

The side shift function ensures better overview of the work and makes it possible to drive across the rows - resulting in fewer turns, less soil compaction and faster work.

Whichever method you choose, the machine ensures fast and efficient collection every time.

Up to 180 bales per hour - all from the driver's seat

With a working productivity of up to 180 bales per hour and full control from the tractor cab, you get maximum efficiency without leaving your seat. When the bales are unloaded, it happens in a perfectly organised stack up to seven bales high - *ready for collection without restacking.*

Beating the weather

In the narrow European weather window, Bale Convoy can make a crucial difference. With this speed and efficiency, you can clear the fields and be ready for the next crop before the weather changes.

It's built tough. They've used really good materials, and it needs to be well-built, because when we drive across the rows, go over spray tracks or whatever else we encounter, it has to withstand a lot."

- Christian, Højlundsgaard
Maskinstation



Watch
Bale Convoy
at work

A hand-drawn green arrow with a thick stroke, pointing from the text 'Watch Bale Convoy at work' towards the QR code.



TECHNICAL DATA

Model	Bale Convoy 1200
Bale sizes	Measurements
- 12 bales	2,4 x 1,2 x 0,7 m.
- 12 bales	2,4 x 1,2 x 0,8 m.
- 14 bales	2,4 x 1,2 x 0,9 m.
- 8 bales	2,4 x 1,2 x 1,2 m.
Capacity	
- Gripper arms	2.000 kg.
- Platform	11.340 kg.
Empty weight	8.350 kg.
Gross vehicle weight (GVW)	19.690 kg.
Dimensions	
- Length	8.670 mm.
- Width	3.000 mm.
- Height	3.980 mm.
Axles	2 pcs.
Tyres	550/45-22,5
Recommended tractor power, min.	185 HP

Standard equipment

Spring-suspended axles
 Air/hydraulic brakes
 Mechanical jack stand
 Optional drawbar eye 50 or K80 ball hitch
 12-volt electrical system
 PLC control of hydraulic system with joystick

Additional equipment

SIWI Hitch trailer module	VM800
Mounting	K80 ball hitch
Weight	approx. 150 kg
Compatible with:	Tractor module TM800-C3
	Air and hydraulic brakes



Case Study - Højlundsgaard: Agricultural Contractor

At Højlundsgaard Maskinstation, an agricultural contracting business on Funen, they run six balers every day during the harvest season. With Bale Convoy, they have found the solution to a classic dilemma: *How do you maintain the pace without closing the field for days?*

The customer needed to drill rapeseed in his wheat field, and he wanted to do it as quickly as possible. With Bale Convoy, the fields were cleared immediately, the farmer could start on the next crop, and the bales were ready for collection at the end of the field."

- Christian, Højlundsgaard Maskinstation

Efficient operation through smart design

With the side shift function, you can drive Bale Convoy across the rows without having to turn constantly. This saves the contractor time and protects the soil. When the stack is ready, even a standard front loader can handle the loading without the need for a telehandler - keeping logistics simple and flexible.

The bales can be loaded directly onto lorries with standard equipment, minimising waiting time and maximising efficiency throughout the entire chain.

Quick implementation in operations

After just a few days of use, Bale Convoy became a natural part of the workflow at Højlundsgaard Maskinstation.

"I was a bit sceptical at first, but after a couple of days, it all clicks into place."

- Christian, Højlundsgaard Maskinstation

"This season, we have noticed a clear improvement in both time and operational efficiency on the fields where we have used Bale Convoy, so even the customers prefer this solution."

- Arne Durk van der Veen, owner, Højlundsgaard Maskinstation

Robust European quality combined with intuitive operation ensures that the machine can handle many years of intensive harvest seasons.



Bale convoy

byGronning 

byGronning
Aakjærsvvej 86-88
DK-7870 Roslev

+45 27 57 17 57
claus@gronningsmede.dk
www.byGronning.dk

From our location in the heart of Salling, we run Grønning Smede- & Maskinforretning with pride and dedication. It is here in Salling's agricultural soil that we have put down our roots, and it is in close collaboration with the area's farmers and business community that we grow and develop every day.

The strong support from our loyal Salling customers has given us the opportunity to be innovative and develop solutions that not only benefit our local farmers, but also farmers, businesses and livestock operations across Denmark and Europe.

As a dedicated Salling-based business, we are ready to serve agriculture, private individuals and the business community, both locally and internationally.

We appreciate your interest in our products, which are developed with inspiration from and for the benefit of agriculture.

With local regards,

Joakim and
Claus

