USERS MANUAL

HG GRID CONVEYOR BELT

CE

12-07-2018 Model 2005-20xx

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2. Introduction.

HG Grid Conveyor belt is a product designed by Hedensted Gruppen A/S with the purpose of optimising the transport of bodies at the pelting. By putting in the HG Grid Conveyor belt you obtain less handling and a better flow in the pelting station.
As the belt is made with a photocell, it can supply bodies to a workstation without use of tables or a preserve box. The photocell reads the position of the bodies at the end of the belt and stops here. If the body is removed, the next is placed at the same place.
HG Grid Conveyor belt is produced in strong materials, which makes it able to preserve a whole production from a self-emptying body drum.

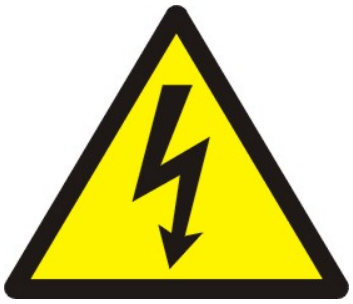
2.1 Warranty

There is 1 year of warranty on the HG Grid Conveyor belt.
Defect parts can be replaced, if the defect can be assigned to a farbrication error. Errors, which can be assigned to freight is not included in this warranty.
In cases of irresponsible treatment of the HG Grid Conveyor belt, no warranty is given neither on the machine nor on the damaged skins.

3. Warning.

Read the users manual thoroughly before using the belt.
The HG Grid Conveyor belt must only be used for transport of bodies according to the instruction.
The operator must have instructions in use of this belt.
Persons who are working with this belt must not wear loose clothes because of danger of getting into the driving wheel of the belt. Avoid putting your fingers down to the rotating parts.
Wrong use or ignorance of the security instructions can cause damages on the body or breakdown of the machinery.

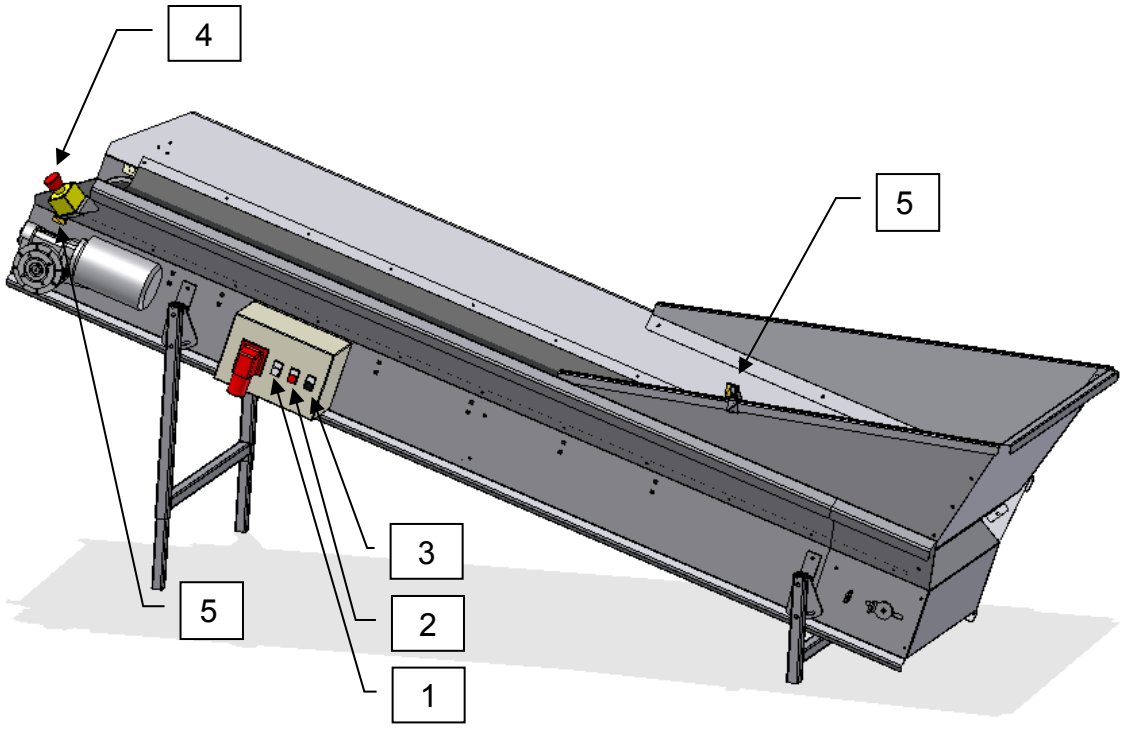
3.1 Pictorial explains



DANGER – HIGH VOLTAGE.
The operating box of the machine contains high voltage. Because of life danger, the box must not be opened by unauthorized employees

DANGER – ROTATING PARTS.
Avoid touching the movable parts of the machine with fingers or clothing, this can cause damages on the body or death.

4. Operating terms.

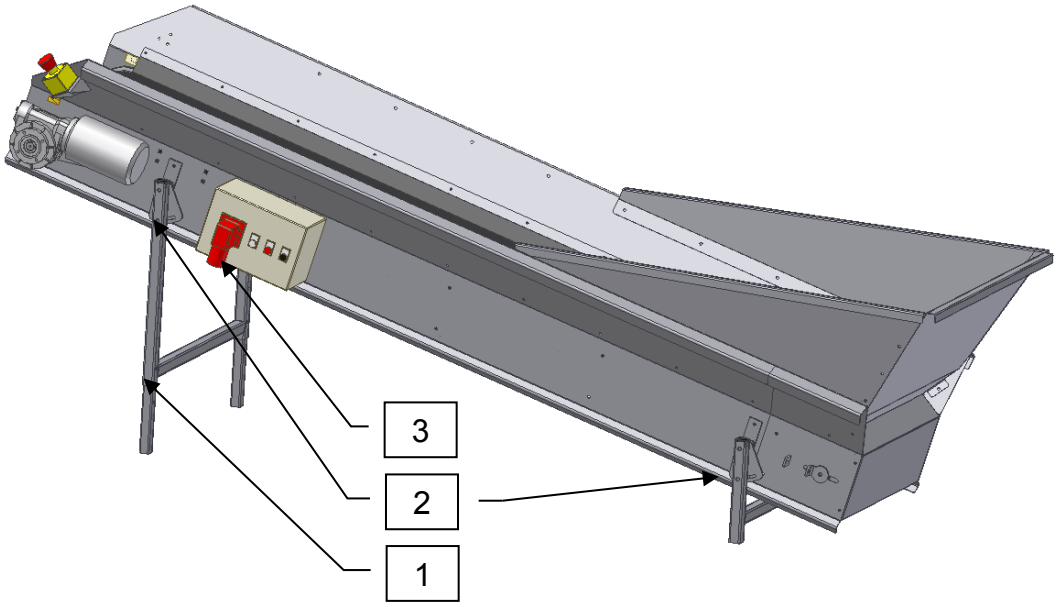


1. Start.
2. Stop.
3. Manual / Auto1 / Auto2.
4. Emergency stop.
5. Photocell.

5. Set-up of the Grid Conveyor belt.

Before using the Grid Conveyor belt you have to adjust the different adjustment possibilities of the Grid belt in order to obtain the correct and optimal utilization.

The belt is as a standard delivered with the operating panel and the emergency stop mounted on the left side. If the belt has to be placed so that the operating panel has to be moved to the right side, please contact Hedensted Gruppen A/S.



5.1 Adjustment of the legs.

To obtain the wanted height the legs of the Grid Conveyor belt can be adjusted.

Loosen and remove the bolts in both sides at position 1. Then lift up the belt to the wanted height and mount the bolts again.

When the height is adjusted, you have to adjust the angle of the legs, so that the belt stands steady and safe.

Loosen both bolts on the right leg of the belt at position 2 and adjust the legs up to vertical. Then tighten up the legs again.

Repeat the above procedure at the low legs of the belt.

5.2 Connection of voltage.

HG Grid Conveyor belt is fit with a 16A CEE-socket (3) to which 400 volt is connected with earth.
The engine has a maximum consumption during running on 1,1A.
After connection you have to check that the belt runs the right way. (See section ”manual function”)

NB: The machine is supplied with a security relay to avoid an uncontrolled start be connection of voltage.
Electric wires must always be placed so that they do not disturb the operator, and no danger of being twisted into the moving parts of the belt.

5.3 Relocation.

Before moving the HG Grid Conveyor belt disconnect the electrical connection.
By a new set-up on a new location repeat the above procedure.

6. Operation instructions.

After connection of your HG Grid Conveyor belt (see ”Set-up of the Grid Conveyor belt”), it is ready for use. The belt can run after following methods.

6.1 Manual function.

The manual function of the belt gives the operator full control over the start/stop functions.
First turn over the Manual/Auto1/Auto2 function button of the belt on Manual.
Turn the button ¼ round with the watch in order to check that the emergency button is activated.
Now you can start the belt on the start button and the belt will run non-stop until you stop it by the stop button or the emergency stop.

6.2 Auto1 – Slicing.

When the belt runs auto1 the front photocell switch on. It positions the bodies at the end of the belt and stops here. If you remove the body, the next will run in position.
First turn the Manual/Auto1/Auto2 function button of the belt on Auto1.
Turn the button ¼ round with the watch in order to check that the emergency button is activated.
Now you can start the belt on the start button and the belt will run non-stop until the photocell at the top is blocked. Now the belt stands in waiting position until the body is removed and the next runs in position. If the photocell is blocked by activation of the start button, the belt will not run, but go directly to waiting position. If the belt is empty it will continue to run non-stop.

NB. By automatic running the photocell has to explore on the reflex mounted on the opposite side of the belt. Fat, sawdust and other things in front and on the lens of the photocell can cause functional failure.

6.3. Auto2 – Emptying function

When the belt runs Auto2 the photocell mounted on the funnel switch on. When the visual field of the photocell is blocked of bodies from the body drum the belt starts to run until it can see the reflex again.
The position of the photocell and by this the fill up of the funnel with bodies can be adjusted by moving the fitting on the edge of the funnel.
The belt will continue moving bodies away from the drum until the front photocell is blocked. Then it stops so that the bodies do not fall on the floor.

First turn the Manual/Auto1/Auto2 function button of the belt on Auto2. Turn the button ¼ round with the watch in order to check that the emergency stop is activated.
The belt stands in waiting position until the bodies block the photocell on the funnel. Is the photocell blocked or can`t it see the reflex by activation, the belt will run until it can see the reflex again, or the photocell in the front will block.

NB. By automatic running the photocell has to explore on the reflex mounted on the opposite side of the belt. Fat, sawdust and other things in front and on the lens of the photocell can cause functional failure.

7. Maintenance.

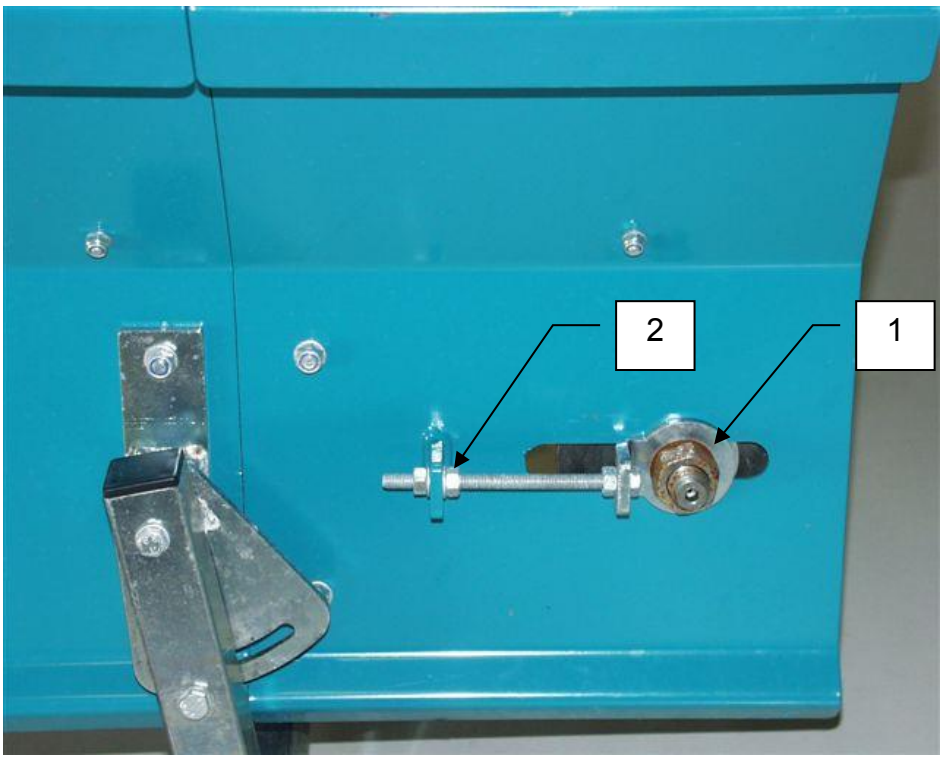
HG Grid Conveyor belt is mounted with maintenance free bearings and manufactured of finished materials in order to minimize the maintenance of the belt. However you still have to keep it clean in order to secure an optimal running.

7.1 Tighten up the belt.

The HG Grid Conveyor belt is mounted with a belt, which is self-tightening around the driving wheel. The belt has to hang 5-15cm under the sides of the transport belt, because the weight of this sack keeps the teeth of the driving wheel in gear.

By tightening you loosen the centre bolt of the turning wheel (1) in both sides. Loosen the check-nut at position 2 and tighten up the belt so that it hangs 5-15cm. Now measure the length of the belt tighter as shown to secure that the length of the sides are tightened up equal. Tighten up the bolts (1+2) again.

If the belt runs skew after the tightening up the belt tighter has to be fine adjusted.



7.1 Cleaning.

You can clean the HG Grid Conveyor belt with air or water. By cleaning with water, avoid flushing directly on the operation box, the engine, bearings and the photocell.

Attention!

Unauthorized modifications, additions or changes on the HG Grid Conveyor belt, are not allowed because of the overall security. The producer as well as the supplier are not responsible for damages caused of the above. The risk by such a misuse i only the responsibility of the consumer.

8. Technical specifications.

Electric supply		:	400 V
Size of engine		:	0,37 kW
Electric Connection		:	16A CEE
Speed of belt		:	17,5 rotation/min
Width of belt		:	550 mm
Dimensions	Length	:	2900 mm
	Width	:	980 mm
	Heigth	:	1140 mm

9. EC Declaration of Conformity.

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8722 Hedensted
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- herewith declares that:

HG Grid Conveyor belt
Typenumber 204305

- is in conformity with the provision of:

The Machinery Directive 98/37/EF
The Low Voltage Directive 73/23/EØF

- and the following harmonised standards have been applied.

EN 292-1
EN 292-2
EN 60/439-3
EN 294

Hedensted d.17/8-2005

Jens Jørgen Madsen
Direktør