



---

## USERS MANUAL



# HG SKIN CLEANER



## **1. Table of contents.**

1. Table of contents. ....	2
2. Introduction. ....	3
2.1 Warranty. ....	3
3. Warning. ....	3
3.1 Pictorial explains ....	4
4. Operating terms. ....	5
5. Connection of the skin cleaner. ....	6
5.1 Connection of voltage. ....	6
5.2 Connection of suction. ....	7
5.3 Connection of compressed air. ....	7
5.4 Relocation. ....	7
6. Operation instructions. ....	8
7. Maintenance. ....	9
7.1 Cleaning. ....	9
7.2 Changing of brushes. ....	10
8. Technical specifications. ....	11
9. EC Declaration of Conformity. ....	12

## **2. Introduction.**

HG Skin cleaner is used for cleaning of mink skin in all pelting stations. After brushing the skin in the machine, loose hair and fixed sawdust are removed and the skin is left clean with regularly turned hair. The machine also massages the leather, so that the skin is getting softer and more flexible, which gives a more representative skin.

At the side of the HG skin cleaner there is mounted an air pipe, which can be used at the working operation to remove sawdust remains inside the skin.

HG Skin cleaner is manufactured on the purpose of making a simple and user minded product, that still is in conformity with demands of security and working environment.

### **2.1 Warranty.**

There is 1 year of warranty on the HG Skin cleaner.

Defect parts can be replaced, if the defect can be assigned to a fabrication error. Errors, which can be assigned to freight is not included in this warranty.

In cases of irresponsible treatment of the HG Skin cleaner, no warranty is given neither on the machine nor on the damaged skins.

## **3. Warning.**

Read the users manual thoroughly before using the machine.

The HG Skin cleaner is only for cleaning of skins.

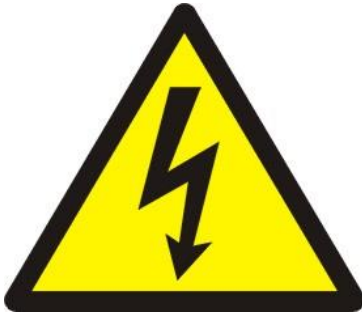
The operator must have instructions in use of the machine.

By cleaning of skin, there always has to be used suction. The suction removes loose hair and sawdust, which can be harmful for health and airway.

Persons who are working with the machine must not wear loose clothes or long hair, because of the rotating brushes. Avoid putting your fingers or other objects down to the rotating brushes.

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.

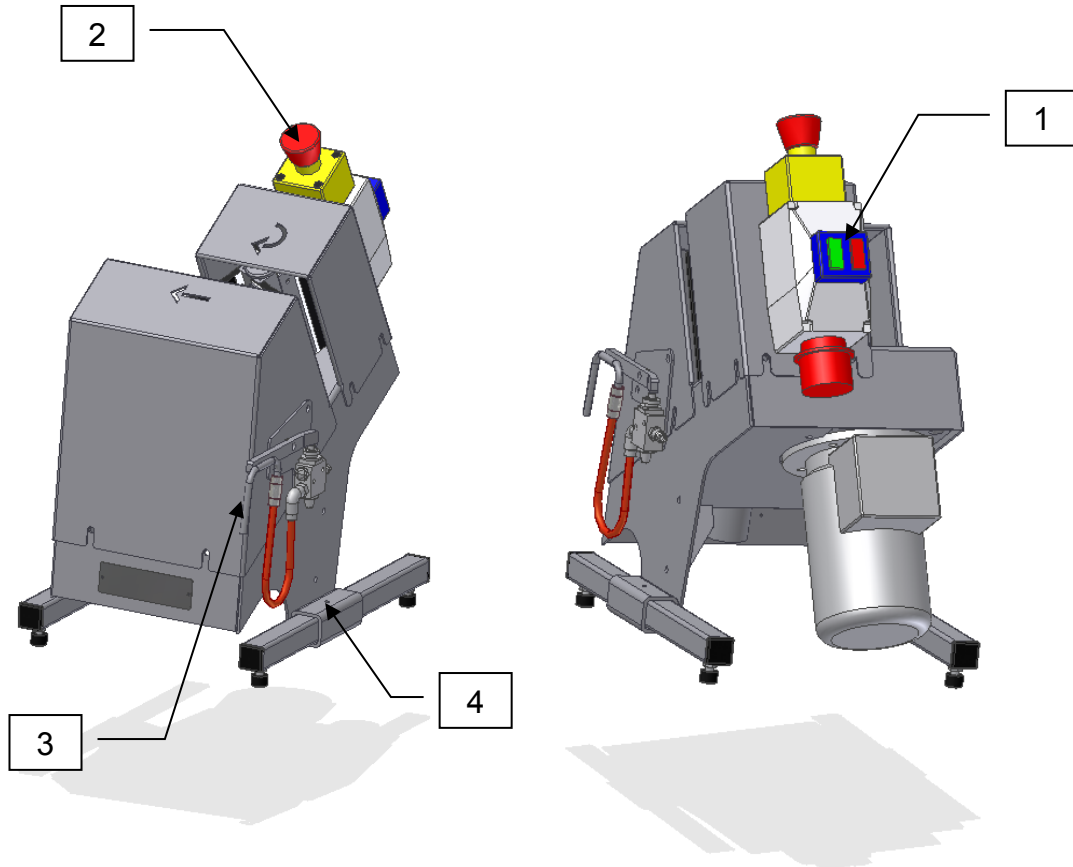


#### **EAR- AND EYE-DEFENDERS DEMANDED.**

During operation of the machine glasses must be used, because hair, sawdust and other objects can be thrown out.

During operation ear defenders must be used, because the sound level of the machine exceeds the normally allowed.

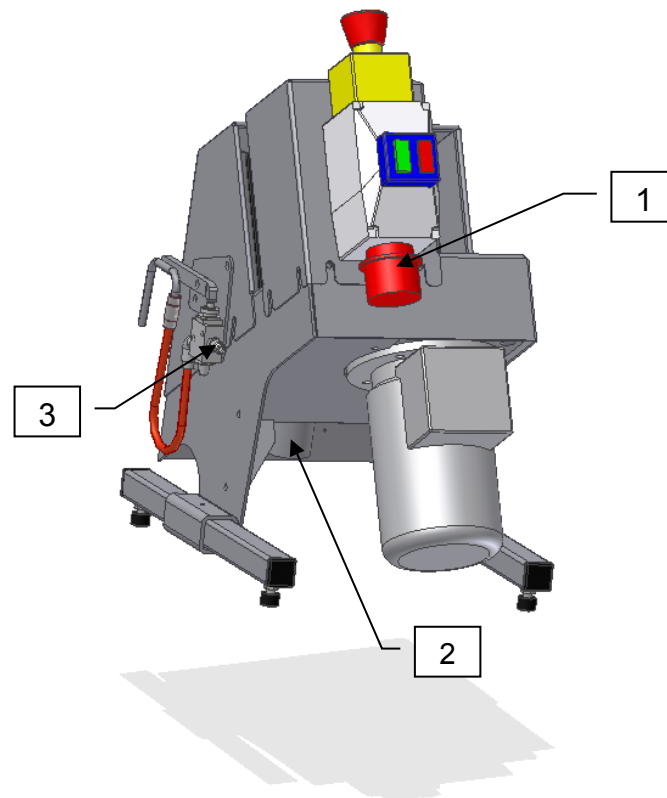
## 4. Operating terms.



1. Start/Stop
2. Emergency stop
3. Air connection piece for skin blowing
4. Screw for adjustment of legs

## 5. Connection of the skin cleaner.

Before using the skin cleaner, it has to be supplied correctly with mains voltage, air and suction in order to obtain the optimal cleaning of the skins.



### 5.1 Connection of voltage.

HG Skin cleaner is fit with a 16A CEE-socket (1) to which 400 volt is connected with earth. The engine has a maximum consumption during running on 1,1A.

For control and turning of direction of rotation see section 6 "Operating instructions".

**NB:** The machine is supplied with a security relay to avoid an uncontrolled start by 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 rotating brushes.

## **5.2 Connection of suction.**

Beneath the skin cleaner there is a ø55mm pipe (2) where there has to be mounted a suction.

The pipe fits to the mouthpiece on most of the larger industrial vacuum cleaners. The suction pipe can be mounted after 2 methods. If the operator wants the machine to be plane with table edge without overhang, there has to be drilled a hole in the table beneath the pipe in order to connect the tube. The operator can also choose to let the machine overhang the table edge and connect the suction tube outside the table. Loosen up the screws to the legs and adjust them longer backwards. Then tighten up the screws again. Pay attention that the machine does not tip over.

## **5.3 Connection of compressed air.**

Connection of compressed air is free. If you do not use the connection piece for blowing off the sawdust, it is not necessary to connect air.

If the blowpipe has to be used, there has to be connected compressed air on the air connection piece (3) with a quick fit coupling of the type Cejn 320.

The compressed air, which is connected to the machine, has to be filtered and must maximum have a operating pressure on 10 bar.

## **5.4 Relocation.**

Before moving the HG skin cleaner disconnect the electrical connection, the suction tube and the compressed air.

By a new set-up on a new location the above procedure is repeated.

### **Warning:**

**Do not** lift up the machine in the protective screens of the brushes..

The weight of the machine is 30 kg.

## 6. Operation instructions.

When your HG Skin cleaner is connected (see "Connection of the skin cleaner"), the machine is ready for operating.

Switch on air and suction before starting the machine. Check that the emergency stop button is partly activated by turning the red button a  $\frac{1}{4}$  round with the watch. Then start up the machine by pushing the green button on the dashboard, and then the red button turns off. In emergency situations, the emergency stop is used to stop the machine.

Check that the brushes rotate in the direction of the arrow. If not, stop the machine again, and pull out the CEE socket. Inside the CEE socket of the machine, there is a phase inverter. Turn the white plate with two socket legs a  $\frac{1}{2}$  round with a screwdriver until it fits again. Connect electricity to the machine again, start and check the rotation direction again.

Never use the machine without suction, then dust and sawdust will whirl around in the room, which gives a bad cleaning, and it is bad for the health.

The skin is held with your left hand around the head and the right hand around the tail. With the backside against the front of the machine the skin is lead down between the brushes, so that the left hand is right outside the protective screen. The skin is lead through the machine with a steady pull slant ways down at left (the direction of the arrow), at the same the skin is hold tight by holding back with the tail. Lead the skin through the machine with a steady speed, so that you avoid stripes.

If the skin is not clean enough repeat the above procedure.

During the brushing some sawdust is loosened inside the skin. Then lead the head of the skin up above the air tube on the right side of the machine and activate the compressed air by pushing easily up. Now the skin is blown clean inside and the brushing process is finished.

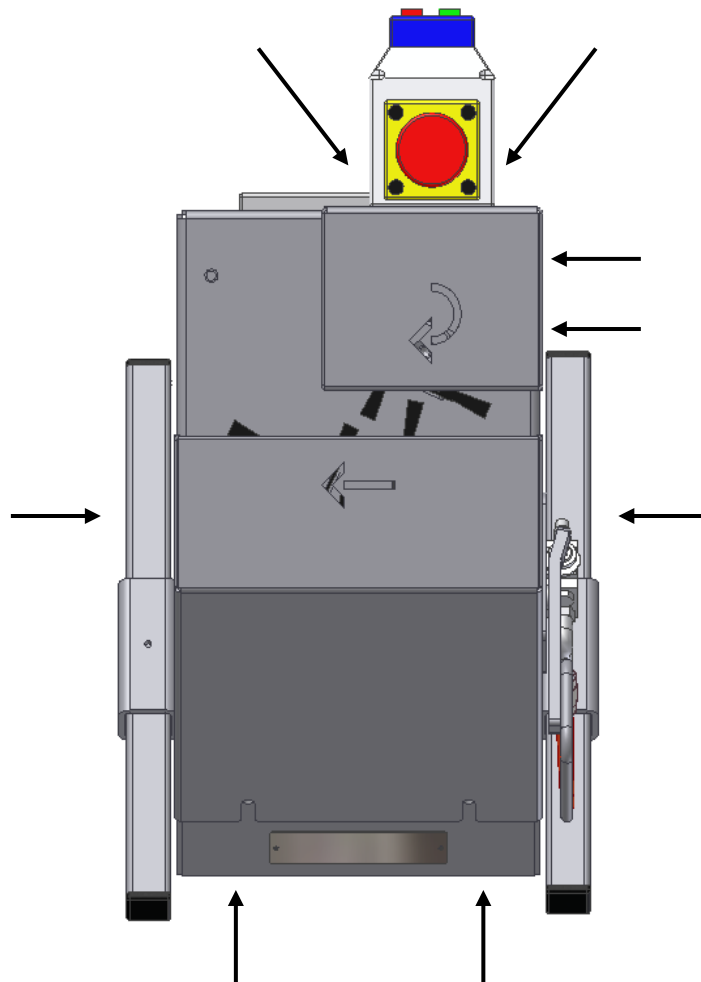


## 7. Maintenance.

The HG Skin cleaner is manufactured with maintenance free bearings and strained belts in order to minimize the maintenance of the machine. However you still have to clean the belts and the brushes, which are wearing parts, and they have to be changed after need.

### 7.1 Cleaning.

You can clean the HG Skin cleaner with air or water. By cleaning with water, avoid flushing directly on the operating box and the engine.



When you clean around the brushes, first disconnect the electric and the air connection. Dismount the bolts by the 8 marks and remove the screens.

## **7.2 Changing of brushes.**

To obtain the optimal cleaning of the skins, you ought to change worn brushes. The change is done after following procedure.

1. Disconnect the air- and electric supply.
2. Screw off the screens as described under point 7.1 "Cleaning".
3. Every one of the 12 brushes is mounted with 3mm unbrako bolts.  
Screw off the bolts, remove the old brush and mount the new brush with the bolts. Repeat this with the other 12 brushes.
4. Mount the screens again.
5. Connect the air- and electric, and continue the work.

## **Attention!**

**Unauthorized modifications, additions or changes on HG Skin cleaner, 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 is only the responsibility of the consumer.**

## 8. Technical specifications.

Electric supply	:	400 V
Size of engine	:	0,37 kW
Electric connection	:	16A CEE
Compressed air	:	7 bar
Air connection	:	Quick fit coupling Cejn 320
Brushing speed	:	1400 rotation/min
Dimensions	Length	: 330 mm
	Width	: 520 mm
	Height	: 550 mm
	Suction pipe:	55 mm
	Weight	: 30 kg.

## 9. EC Declaration of Conformity.

Hedensted Gruppen A/S  
Vejlevej 15,  
8722 Hedensted  
Tlf. (+45) 75 89 12 44  
www.hedensted-gruppen.dk

- herewith declares that:

HG Skin cleaner  
Type number 207110

- is in conformity with the provision of:

The Machinery Directive 2006/42/EC  
The Low Voltage Directive 73/23/EEC

- and the following harmonised standards have been applied.

DS/EN 12110-1:2005  
DS/EN 13857:2008  
DS/EN 60439-3

Hedensted d.17/8-2005



Jens Jørgen Madsen  
Direktør