

Original user manual

Skin Cleaning Automat T5



1. Declaration of Conformity

EU Declaration of Conformity

Manufacturer: Jasopels A/S Tel. +45 76 94 35 00
Address: Fabriksvej 19 DK-7441 Bording

Machine: Jasopels Skin Cleaning Automat T5 blue
Type: 3230-540001

Jasopels A/S declares that this product is in accordance with the following EU Directives:

2006/42/EC

2006/95/EC

2006/108/EC

Furthermore, we declare that relevant chapters of the following harmonized standards have been applied:

EN 60204-1

DS/EN 12100 : 2005

DS/EN 14121-1

DS/EN 14121-2

DS/EN 13857 : 2008

DS/EN 13850

Place and date: Bording, November 1, 2012

Name: CEO Poul Bach

A handwritten signature in black ink, appearing to read "Poul Bach".

2. Table of contents

1. Declaration of Conformity	2
2. Table of contents	3
3. Preface	4
4. Symbol explanation	5
5. General instructions	6
5.1 Use and setup	6
5.2 Safety	6
6. Instructions for users	8
6.1 Control board	8
6.2 Control panel	10
7. The cleaning process	12
8. Emergency stop	12
9. Maintenance	13
10. Technical data	17
11. Circuit and airflow diagram	18
12. Troubleshooting	23
13. User's notes	24

3. Preface

- This User Manual is an important part of your new machine. Read the manual thoroughly and use it as a reference book.
- This manual contains important information about safety and the correct use of the machine.
- The manual should be stored with the machine. It is important that the user manual is supplied with the machine upon resale and lending.
- The owner of the machine must make sure that the operator, service personnel and others who have access to the machine have been instructed in the correct use and handling of the machine. Refer to this user manual for further information.

4. Symbol explanation

Please read this user manual and follow the included instructions. In order to emphasize certain information, the following expressions are used:

- Note!



A triangle with an exclamation mark is a symbol that warns you of important instructions or information concerning this machine.

- Danger!



A triangle with a flash of lightning is a symbol that warns you of “High Voltage”.

- Warning!



A triangle warning you of entanglement and crush hazard.

5. General instructions

5.1 Use and setup

The machine may only be used for cleaning mink skins.
The machine is to be placed indoors and **must be leveled** using a level before use.

The Kongskilde suction device (additional equipment) is not included with the machine.
It can be purchased separately!
Current tapping for the suction device has been installed on the machine.

5.2 Safety

Moving parts

In order to prevent the risk of accidents involving crushing due to entanglement during the machine's operation, it is essential that the operator does not touch any of the machine's moving parts.

It is not allowed to place your hand in the machine's skin opening during the machine's operation.



Chain drive

The machine is equipped with chain drive that carries the skin through the machine. This is why big sprocket wheels are located right on the inside of the skin opening.

It is not allowed to attempt to stop any of the moving parts manually. Always use the emergency stop feature in order to prevent any potentially dangerous situations.

If a dangerous situation does occur, **ALWAYS use the emergency stop.**



IMPORTANT

Any kind of work involving the machine other than mink skin cleaning, such as cleaning, making adjustments etc., may only be performed when the machine's air and electrical power supply has been disconnected.

Note!

Unauthorized modifications, additions or changes to the machine are not permitted for the sake of overall safety. Neither the manufacturer nor the supplier can be held liable for damages incurred as a result of the above. All and any risks in the case of such misuse are the end user's alone.

Note!

- Make sure to read the manual before using the machine.
- The owner of the machine must make sure that the operator, service personnel and others who have access to the machine are instructed on the proper use and handling of the machine.
- The machine may only be used for the purpose it is designed for. The CE Declaration becomes void upon any other use of the machine.
- If any problems occur with the machine or its operation, the machine must be properly shut off before fixing the problem unless the correction can be made using the machine's control keys.
- The user manual must always be kept available for the operator.



6. Instructions for users

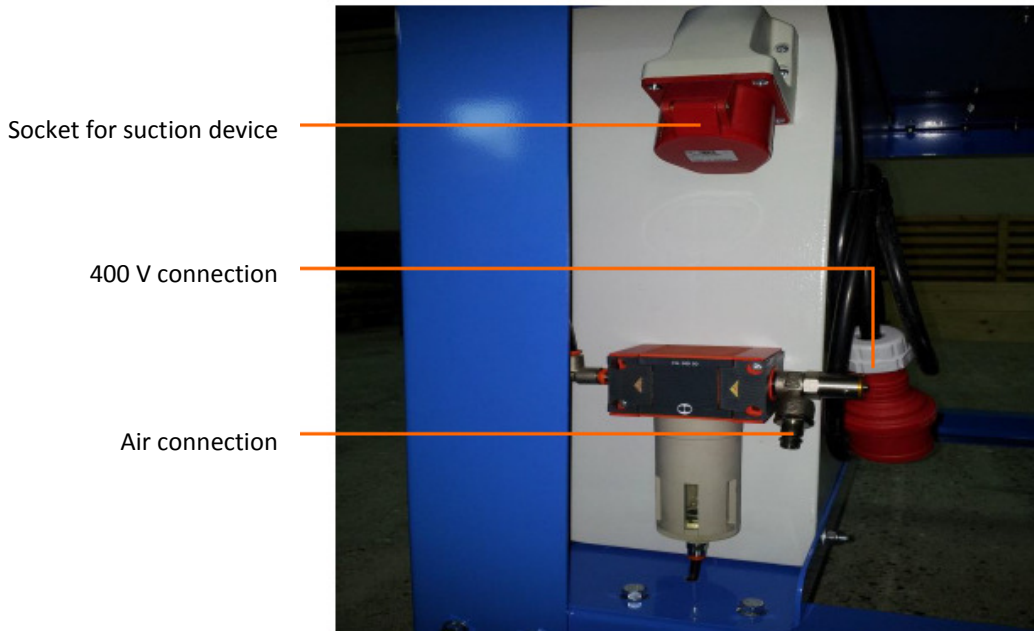


Fig. 1 Electrical power and air connection

6.1 Control board



Fig. 2 Control board

Emergency stop

The machine stops immediately as the emergency stop shuts off all of the machine's electrical and pneumatic connections.

Frequency converter

Thanks to the sight glass it is possible to keep track of the settings of the frequency converter. In the case of overload the frequency converter displays an error code. In order to reset it you need to open the lid.

Speed

Adjust the brushes' period/travel length on the skin.

Start

This button is used when there is a skin ready in the skin holder.

Start-up

This button is used to get the machine started after it has been switched off. This way it is activated step by step and at the end of the procedure it is ready to receive skins.

The Man/0/Auto-switch

Man.: The machine carries out the entire cleaning process in manual mode. Used for troubleshooting and resetting.

0: Used for stopping the machine during normal operation. (Auto). If the machine is stopped during the cycle, you need to switch to **Man** in order to reset it.

Auto: This setting is used during the machine's normal operation.

Reset

Resets the entire machine after an error or an emergency stop. (Man operation).

Man. forward

Moves the skin holder forward manually.

Man. back

Moves the skin holder back manually.

Step belt

When this button is activated, the belt can be moved to its initial position.

Error

The light is on when an error is detected in the machine.

Ready

The light is on when the machine is ready to operate.

6.2 Control panel



Fig. 3 Control panel

Display

In the main menu you can see whether the machine is set to work with males or females as well as how many males and females you have worked with on this particular day.

Press F1 (type) in the main menu in order to change between settings for males and females.

If you want to reset the day's skin count, press F2 (delete) when you are in the settings for males or females.

By pressing F3 (next) you will be able to see the overall number of male and female skins that the machine has cleaned. Here you can also change between males and females by pressing F1 (type). If you want to reset the overall skin count, you also press F2 (delete) here, when you are in the settings for males or females.

Massaging roller pressure

This shows the current pressure applied to the skin by the massaging rollers. The recommended pressure is 2,0-4,0 bar.

Massaging roller pressure adjustment

Here you can adjust the pressure applied by the massaging rollers.

Start-up

Connect the air and power supply as well as suction before trying to start the machine.

In order to be able to start up, the machine needs to be set to **Auto**. Press the **Start-up** button, which is located on the control board. The machine will now reset itself and get ready for receiving skins. If the machine is not in the correct position, choose **Man** operation and press **Reset**. After that the machine is ready to start working.

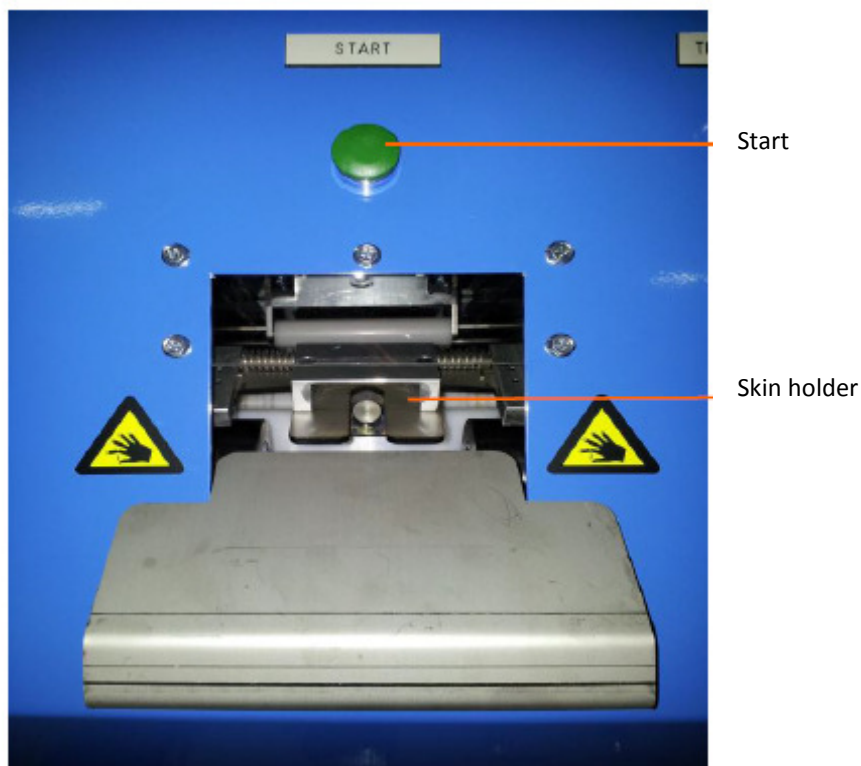


Fig. 4 Skin opening

Start

Activate the skin holder, which will grab the skin and carry it through the machine. The function of this button is the same as that of the **Start** button on the control board.

Skin holder

The skin is put into the opening. After **Start** is pressed, the skin will be carried into and through the machine and delivered at the machine's side on a conveyor belt.

When the skin has been delivered, the skin holder returns to its initial position and it is now ready for the next skin.

7. The cleaning process

This is a modern Skin Cleaner – it has been equipped with 8 brushes, thanks to which the machine is very time-saving.

After having been treated by the machine just once, the skin is soft and fluffy – it is ready to be delivered to the customer.

The fur gets brushed both on the belly side and the back side. The brushes are placed so close to the fur that it is enough to treat each skin just once.

After having been treated with the Skin Cleaner the skins are far more attractive.

8. Emergency stop

Activating the emergency stop button causes the machine to shut off the power supply of the magnet valves, the gear engine and the chain motor.

In order to carry on, pull the emergency stop switch and the machine needs to be reset in manual mode.

9. Maintenance

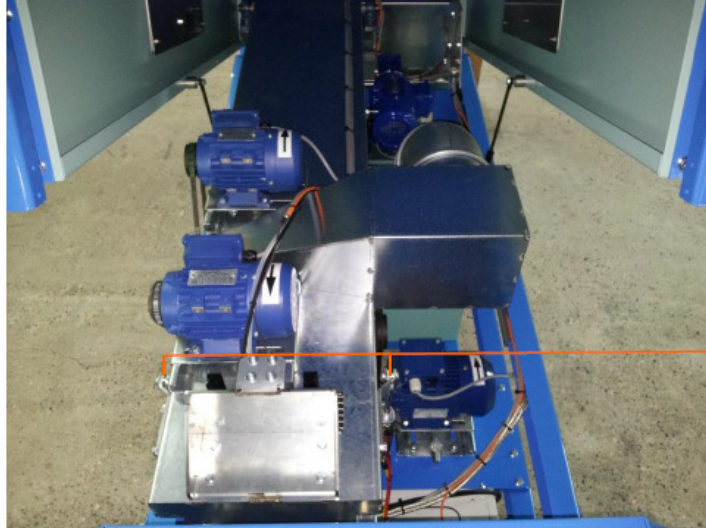


Fig. 5 Maintenance

When replacing the brushes, loosen the 2 cylinders. Remove the hose with the clamp. The upper part can then be lifted in order to perform maintenance.

The housing is opened and lifted, and there is now access to various components.



Fig. 6 Brush replacement

Loosen the three Allen-key bolts for each brush and replace the brush

When the upper part is lifted, it is easy to replace the brushes – both on the top and bottom side. The brushes' item number is **5190-00529000**.

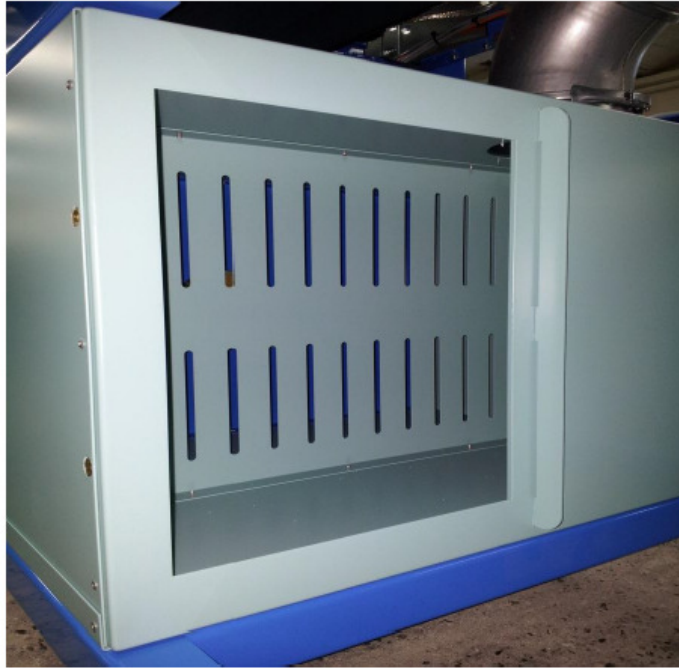


Fig. 7 Suction box cleaning

In the daily operation of the machine it is recommended to clean the machine using compressed air in order to remove any sawdust, hair and skin pieces that could be accumulated in the machine.

DANGER!
If you need to perform maintenance of the machine, the power cable and the air-pressure supply hose MUST be disconnected before you begin.



9.1 Lubrication chart

How many?	Description	Lubricant type	Period
8	Bearing housing, brushes	Grease	monthly
4	Bearing housing, chain drive	Grease	monthly
2	Bearing housing, top frame	Grease	monthly
2	Chain	WD40 oil	yearly
2	Guideway, massaging rollers	WD40 oil	monthly

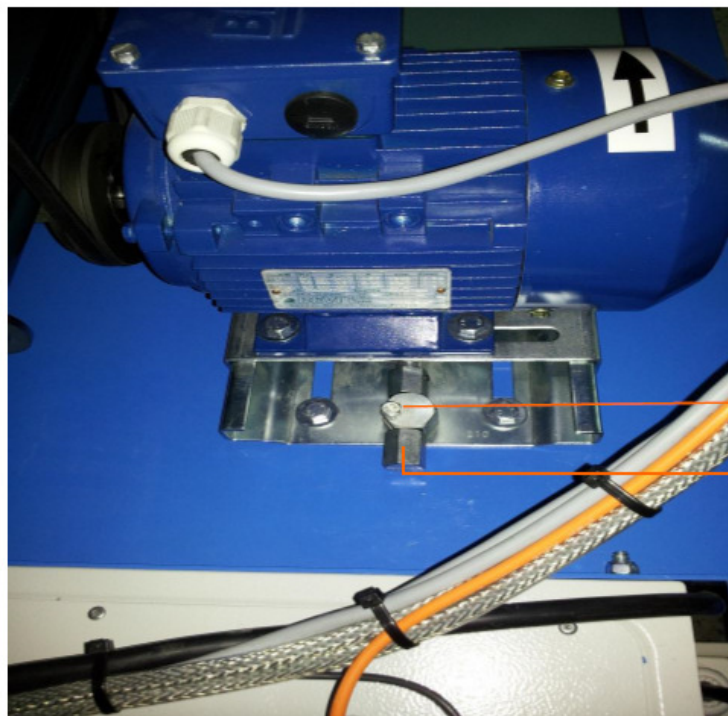
The machine needs to be lubricated according to the above chart.
 At the end of the season the machine can be additionally wiped with soapy water and lubricated.

It is very important that the chain and belts are kept tight.



The bearing on both sides is loosened and tightened with the chain tightener

Fig. 8 Tightening the chains

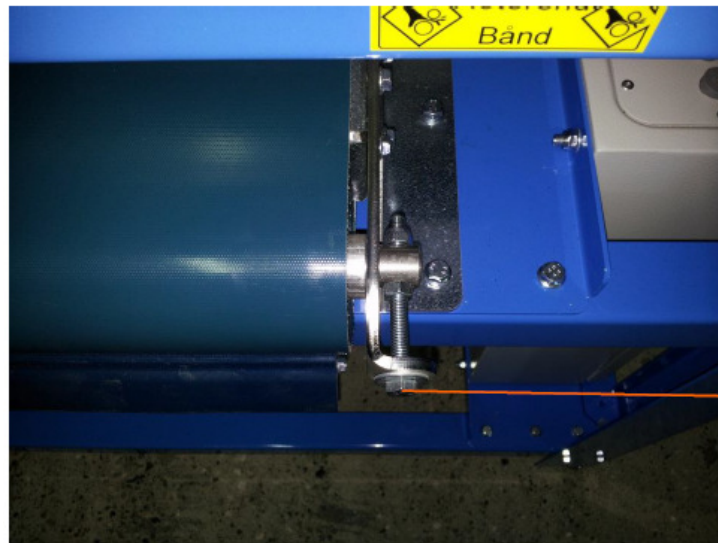


Fastening bolt is loosened

The belt is tightened with these adjustment bolts

Fig. 9 Tightening the belts

When tightening the belts, you need to loosen the little bolt before making adjustments.



The belt's tightness is adjusted here.

Fig. 10 Tightening the conveyor belt

When tightening of the belt it is very important to check whether the conveyor belt is moving evenly. If the belt is not adjusted correctly, it will get damaged.

DANGER!

If you need to perform maintenance of the Skin Cleaner, the electrical power cable and the air-pressure supply hose **MUST** be disconnected before you begin.

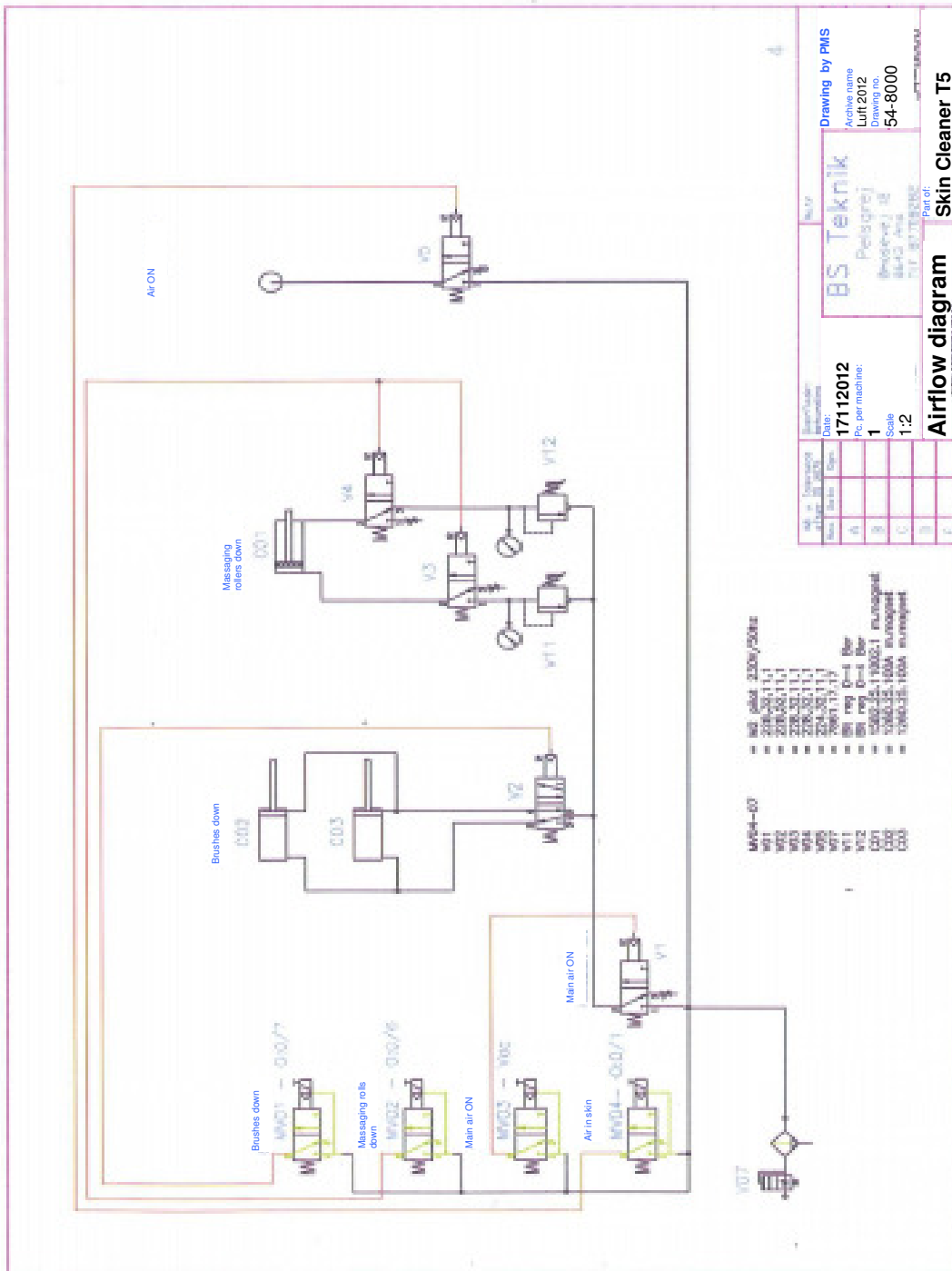


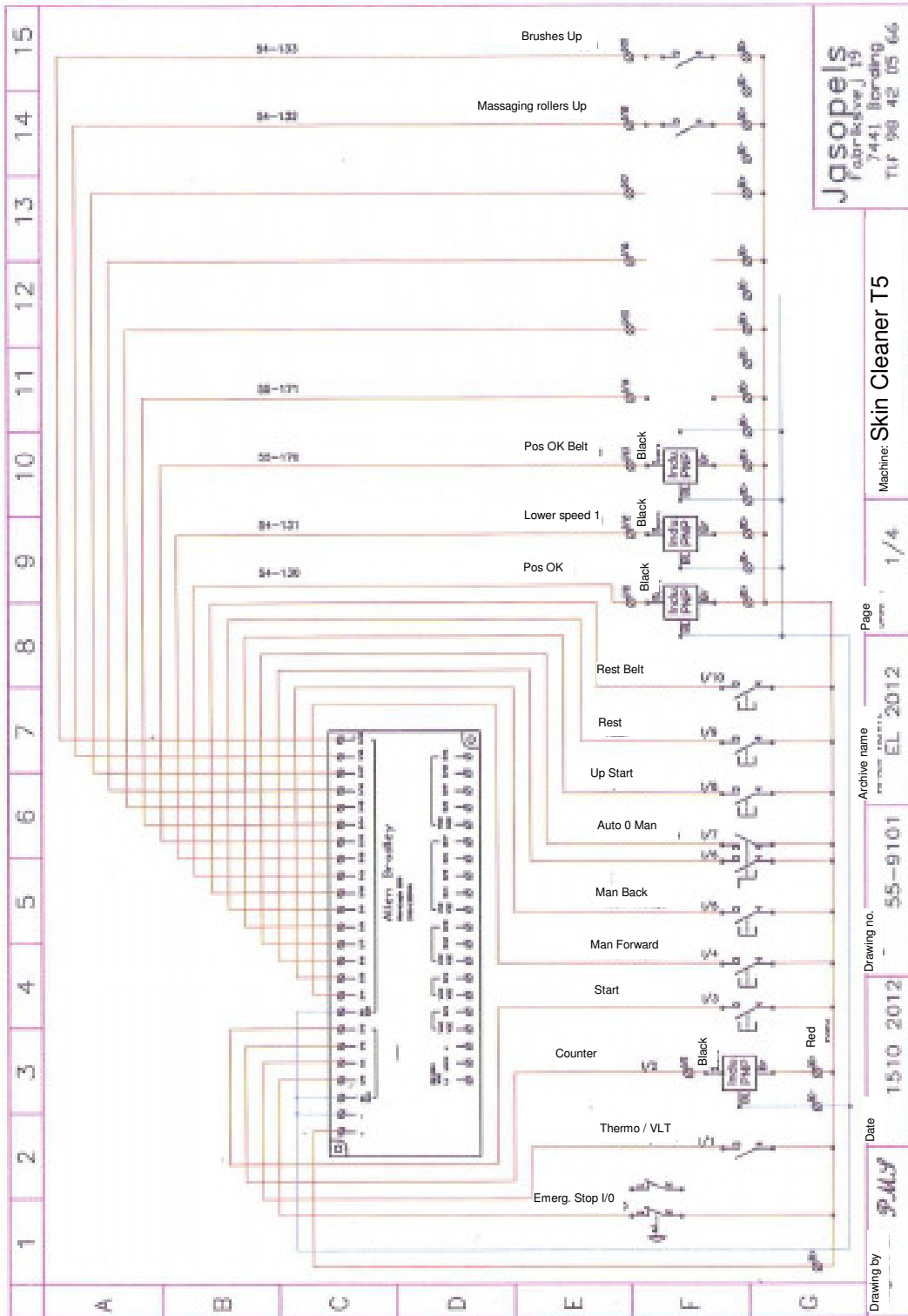
10. Technical data

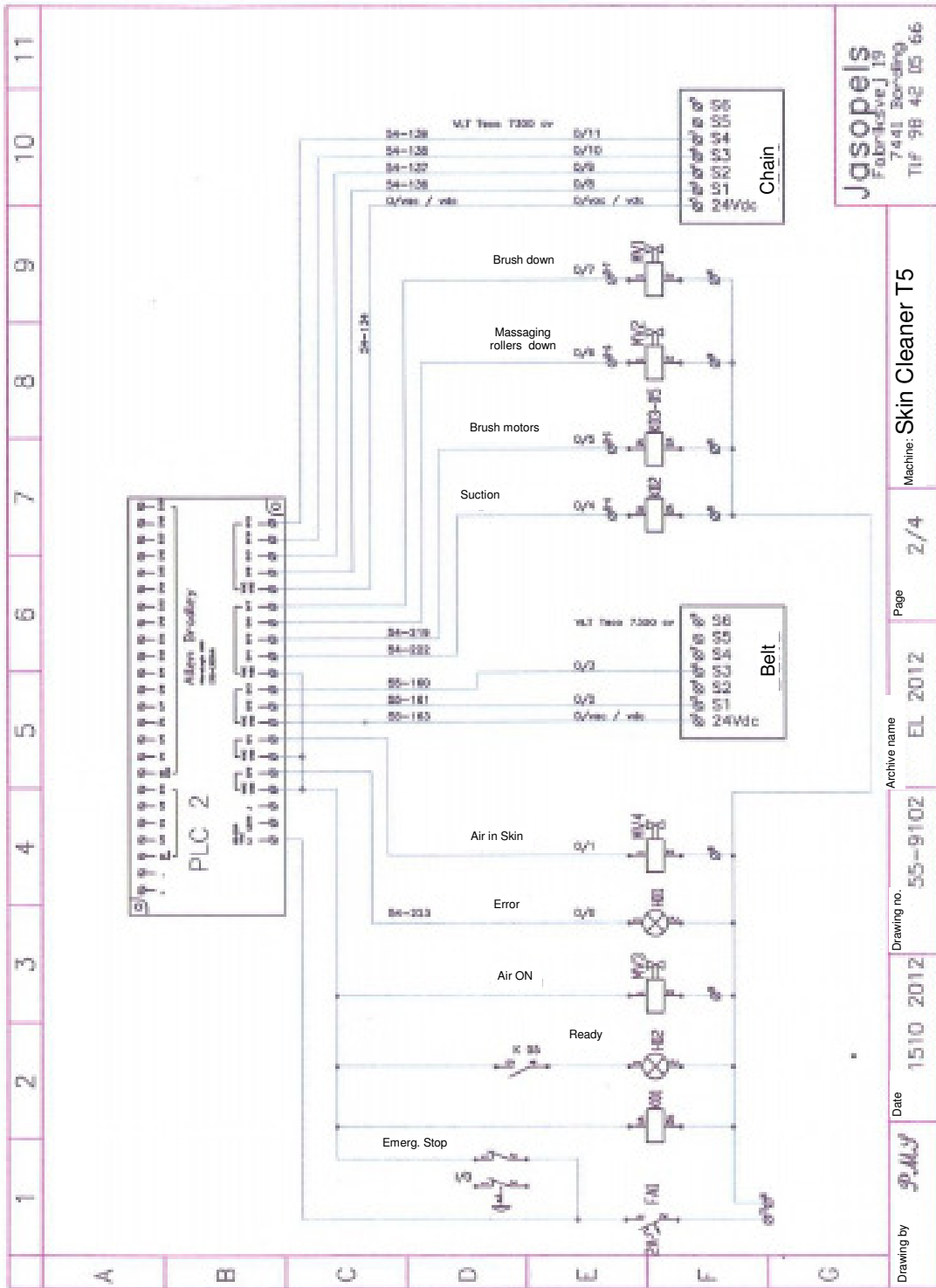
- Electrical connection 3 x 400 V + PE
- Max. preceding circuit breaker 16 Amp.
- Air pressure 8 bar
- Air consumption per cycle 26,8 l
- Transport dimensions (width x length x height) 90 x 200 x 160 cm

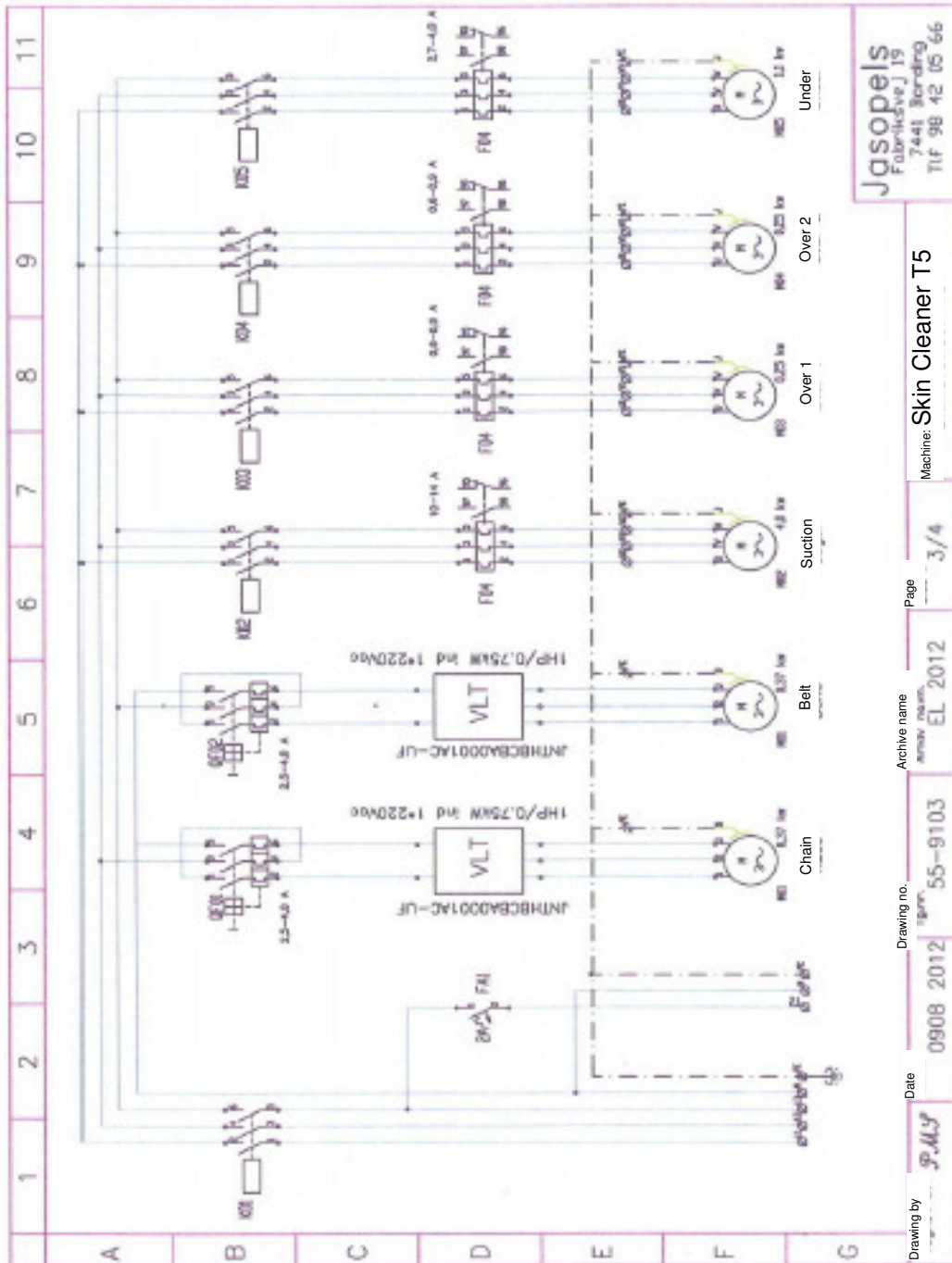
- Capacity 300 pc./hour

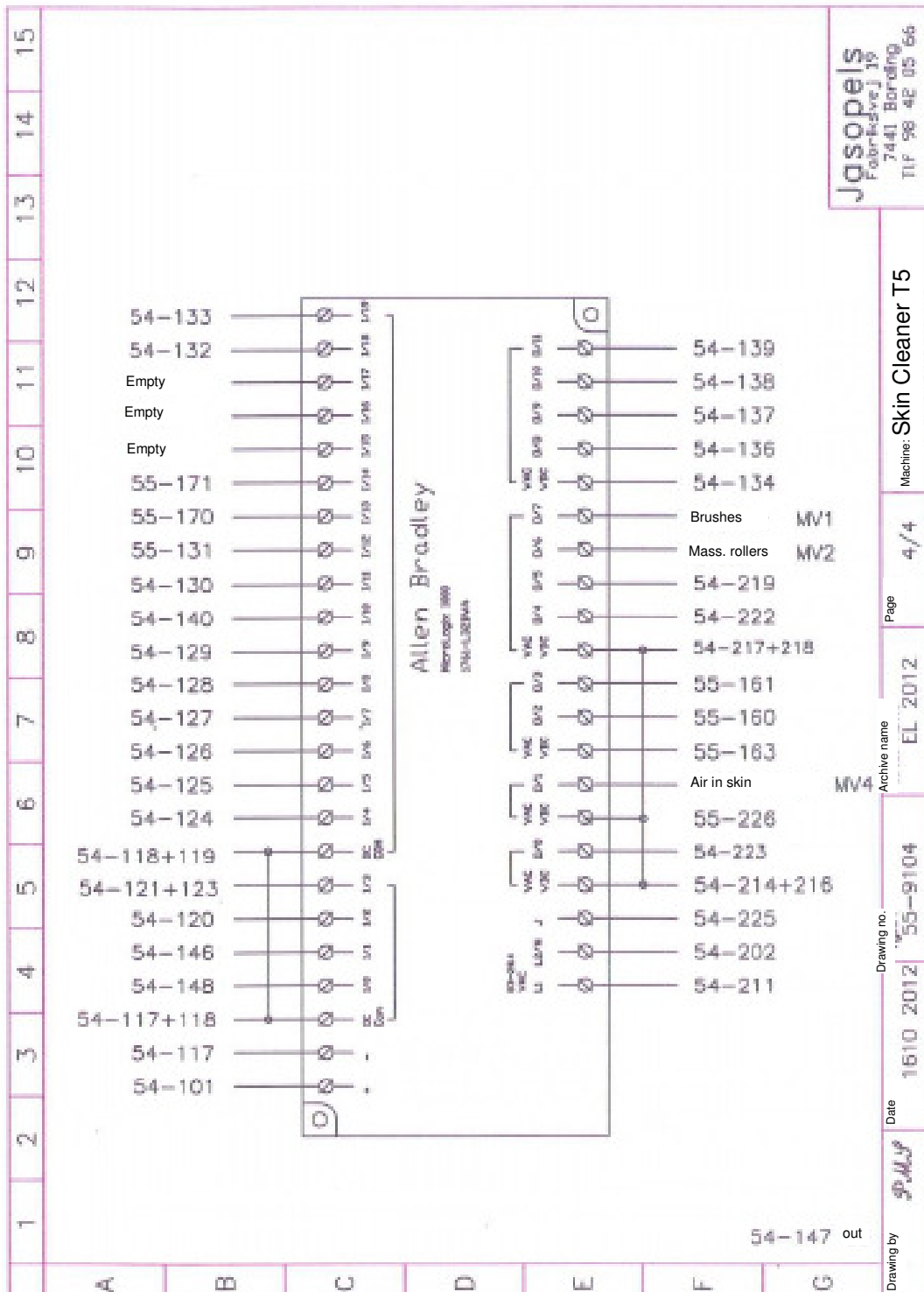
10. Circuit and airflow diagram











Jasopels
 Fabrikvej 19
 7441 Bording
 Tlf 98 42 05 66

Drawing by: *P. M. J.* Date: 16/10 2012 Drawing no.: 55-9104 Archive name: EL 2012 Page: 4/4 Machine: Skin Cleaner T5

12. Troubleshooting

12. Error chart

<i>Error</i>	<i>Explanation</i>	<i>Solution</i>	<i>Result</i>
The machine stops and the error light is on	The fault current relay has shut off the machine (see the machine diagram)	Press the red motor protection buttons and see which of the buttons resets the error	The machine is ready to resume work!
	The motor protection has stopped the machine (see the machine diagram)	Press the black hand-operated motor protection button and see if it resets the alarm.	The machine is ready to resume work!
	The VLT is signaling an error	Press "Reset VLT" and see if this solves the problem.	The machine is ready to resume work!
	?	Call the Service Department!	The problem will be solved!
The machine does not start when "Start" is pressed	The skin holder is not in the correct position.	Set the switch to manual and press "Reset". When the skin holder is in position, set the switch back to Auto.	The skin holder goes back in position and the machine is ready!
	The massaging rollers have not been lifted.	Connect air to the machine!	The machine is ready to resume work!
	?	Call the service department!	The problem will be solved!

13. User's notes