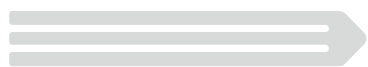
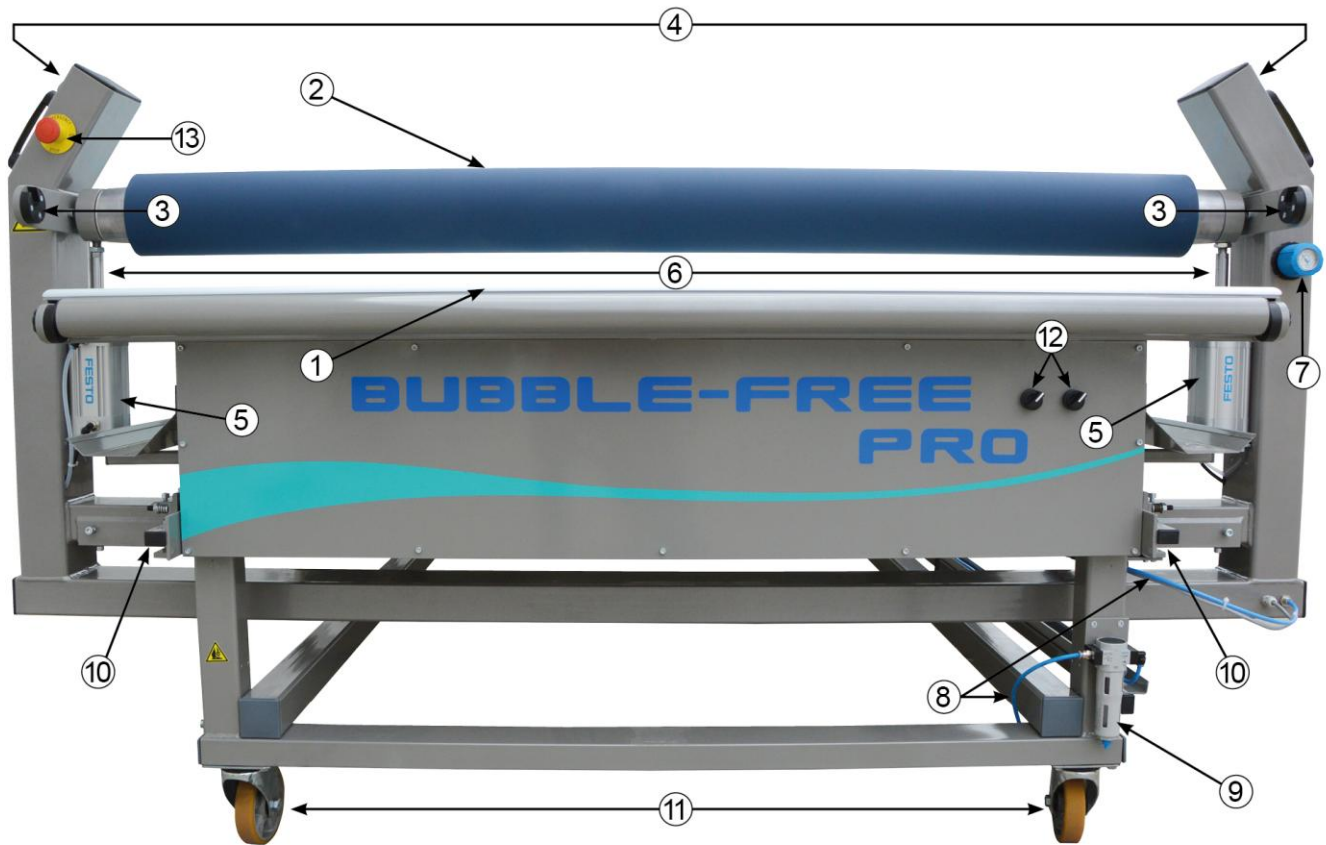


# **BUBBLE-FREE** **PRO**



**BUBBLE-FREE Pro User Manual**



1. Working bench made of MDF or 3-layer safety glass board
2. Rubber roller
3. Application tape support
4. control buttons
5. Pneumatic cylinder
6. Pneumatic cylinder piston rod
7. Pneumatic regulator
8. Pneumatic tube
9. Air filter valve
10. Guiding rail
11. Wheel with brakes
12. ON/OFF electricity – LED ON/OFF switches
13. Emergency button

# BUBBLE-FREE Pro

## User's Manual

### Dear Customer

Thank you for choosing the BUBBLE-FREE Pro applicator table, we are sure that this practical product will live up to your expectations. The machine was designed and manufactured by an enthusiastic and competent group using only the highest quality materials and components. Please read the user guide carefully to ensure the best performance and avoid errors as a result of improper use.

- **Safety**

Pay attention to avoid any risk of accident and injury when transporting, unpacking and assembling the machine.

The table must be connected to an undamaged, standard and grounded power source.

The cables for the compressed air and power must be laid so as to avoid any risk of tripping.



In order to avoid accidents, pressure of the pneumatic system must not be more than 5.0 bar. In case of intended use as described in this manual, operation of the mounting table does not pose any risk of accident. When used under 2.0-3.0 bar pressure, the rubber roller will not cause any injury. But be careful, if used under 5.0-10.0 bar pressure, the pneumatics constitute a serious threat to your hands, do not reach under the roller! The metal piston rod of the upward moving pneumatic **(5)** cylinder can cause serious injuries to your hands. Be careful, do not put your hands between the piston **(6)** and the cylinder when it moves upwards!

Four wheels with brakes are used for moving the table **(11)**. Mind your legs when rolling the table!

Activating the safety button **(13)** will release the air valves inside the bridge so the pressure will disappear.

The compressed air will leak out of the system and the compressor will work permanently. Setting back the safety button will recover the adjusted pressure in the system.

- **Description of the Equipment**

The user can mount self-adhesive print, sign, or two-sided self-adhesive foil on to a plain base material of any kind put on the flatbed **(1)**. Using the foil support system **(3)** on the table, the user can cover the sign with application tape or coat a digital print with protective foil. The 15 mm thick rubber coating of the roller **(2)** presses the two materials onto each other perfectly free of bubbles.

In case of a material that is thicker than 1 mm, mounting should only be started from the edge of the board to be mounted. If the user "jumps" the rubber roller from the table to the material to be mounted, it can cause damage to the piston rod of the pneumatic cylinder, it may bend the steel rod, or damage the internal gasket of the piston depending on the pressure and material thickness.

The mounting roller can be controlled with a three-position switch from both sides **(4)**. On the side that is currently not in use, the controller should be set to the middle (basic) position, otherwise the pneumatic cylinder will not function as it will receive two different commands from the two sides. Maximum 60 mm thick material can be placed on the table, which is the maximum that fits under the rubber roller. The pneumatics press the rubber roller onto the material with the same pressure for any material thickness (according to the set pressure). The pressure of the rubber roller does not let the materials laid onto each other move, and it does not stretch them during mounting, therefore the user can obtain high precision.

The pressure of the rubber roller should be set to 2.0-3.0 bar with the pneumatic regulator **(7)**. The user can mount to foam boards perfectly with a 2 bar pressure without pressing the board. In case of delicate materials, make a test run in order to set the perfect pressure.

In order to make a perfect mounting, it is extremely important not to have any dust between the two materials. Preferably, a dust-free environment should be ensured for work. The board used for the base and the lower side of the print should be thoroughly cleaned before mounting.

The surface of the table is perfectly suitable for cutting the completed decoration materials, but it may have to be changed from time to time if it is used in this manner as the surface will become worn.

- **Installation**

The machine should only be assembled with the supervision of a qualified professional.

The table should be placed on a flat floor, and enough space should be ensured around the table for the work to be free of obstacles.

The manufacturer is not responsible for any damage due to improper installation.

The translucent table covered with a glass board should be connected to a standard 220V grounded connector.

Even the MDF-board covered tables contain electric parts, which should be connected to 220V network.

The pressure in the air pipe connected to the machine should not be more than 5 bar **(9)**.

Compressed air contaminated with particles, oil, or water may lead to serious damage of the pneumatics. It is recommended that a moisture trap and filter is connected to the compressor outlet.

The warranty does not cover any damage caused by contaminated compressed air.

Set air pressure to 2 bar using the regulator on the machine **(7)** before the first use.

The air preparation unit **(9)** is part of the table (filter, water separator).

The compressor (not part of the machine, can be ordered optionally) has a capacity of 85 l/min, max. 5 bar. If you connect the Bubble-Free table to your own compressor, make sure the pressure in the system is not higher than 5 bar.

- **Maintenance, Cleaning**

Clean the machine surface and the rubber roller **(2)** using a neutral detergent and moist cloth.

Clean all three sides of the bearing-guiding steel rail **(10)** and the treads of the bearings using alcoholic cloth, then wipe them dry. The bearings are closed types, they do not need to be treated with lubricant.

We recommend using fine dusting powder on the rubber rollers **(2)** after cleaning. Wipe the excess with a dry cloth.

Clean the steel rod of the pneumatic piston **(6)** with an alcoholic cloth, and put a thin layer of lubricant on it using a few drops of "pneumatic grease" every month. Make sure no grease gets on the rubber roller.

The water deposit should be drained from the glass bowl of the pneumatic preparation unit **(9)** with the valve underneath every week.

The moisture deposit should be drained from the air tank of the compressor every month.

If the machine is not in use and the pneumatic system is not under pressure, the rubber roller can sink down on the working bench. The two sides may be different from the rate of descent.

**Optional features:**

1. KEENCUT cutting devices

To all BUBBLE-FREE Pro machines (equipped with cutting units), is the original users manual from KEENCUT attached. (on CD)

2. Electrical height adjustment

Special safety instructions

-Work with the lifting column may only take place in accordance with these instructions.

-The device may only be opened by authorized specialist personnel. If there is a fault with the lifting column, we recommend that you contact your dealer.

-Unauthorized conversions of or changes to the lifting column are not permitted for safety reasons

-Safety-relevant hazard symbols identify danger areas on the product

### Maintenance and cleaning

Generally the lifting column doesn't require servicing, but it is not exempt from wear and tear. In other words, if there is excessive wear or you fail to exchange worn-out product components, the safety of the product may no longer be guaranteed.


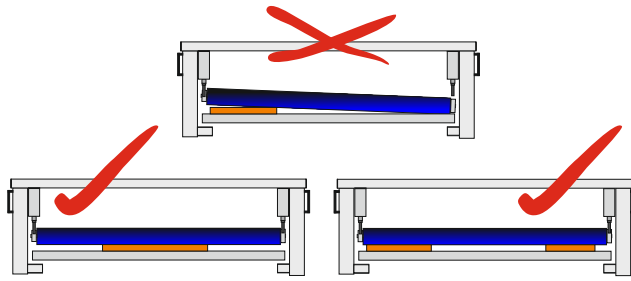
Hand switch doesn't require any maintenance.

You can clean the hand switch and the outer surfaces with a clean, lint-free cloth,  
Solvent-based cleaners will corrode the material and can damage it!

### 3. LED lighting

Maintenance free, in case of any problems, please contact your nearest BUBBLE-FREE dealer.

#### • Troubleshooting

Symptom	Possible solutions
The mounted material has bubbles on it.	Check <b>(7)</b> whether the air pressure is right: 2-2.5 bar! Check if there is any contamination under the bubble. If yes, please clean the surface more carefully next time. Check whether there is anything left on the table that obstructed the rubber roller. Check the control switches on both sides, if they are in neutral position.
The substrate is creasing	The applicated signs or letters should have a frame around 
The mounted material did not stick on the board parallel to the length of the table.	You used thin material. Put it in the centre, or make the roller parallel on the other side with a material of the same thickness. 
The mounted material has wrinkles on it.	Clean the rubber roller with a neutral detergent. Sprinkle fine talc (powder) over the dry, clean rubber roller, then wipe any excess with a soft cloth, and clean the powder from the table as well. Make sure the self-adhesive material lays parallel to the roller!
The machine is noisy when I move the roller over the table.	Clean all three sides of the bearing-guiding steel rail <b>(10)</b> and the treads of the bearings using alcoholic cloth, then wipe them dry. <b>DO NOT USE OIL!</b>
The mounting rubber roller does not respond to the switch.	Check whether the air pressure in the system is correct. <b>(7)-(9)</b>
The mounting rubber roller does not respond to the switch, but it makes a hissing sound on switching.	Set the unused pneumatic cylinder controller at the other end of the table into neutral position (centre position). <b>(4)</b>
Turning the air pressure regulator device has no effect, it does not show anything.	Connect the air pipe of the machine to the external air system. <b>(8)</b> Check whether the compressor has been switched on.
The air pressure regulator device cannot be set or turned.	Pull the setting part of the turning knob (blue plastic) out a few millimetres, set the desired value, then fix it by pushing back. <b>(7)- (9)</b>

## Terms and Conditions of Warranty for Different Types of the BUBBLE-FREE Mounting Table

Machine type:..... Serial number:.....

Machine size: ..... Designation: Mounting Table

Time of manufacture: .....

Manufacturer: **AKKOR-DEKOR Ltd.** • Hungary H-2225 Üllő, Pesti út 199-201.

Date of commissioning:

.....of.....20.....

.....  
/L.S./ Signature

The BUBBLE-FREE Applicator complies with the technical specifications, it only contains certified parts.

The BUBBLE-FREE mounting table has a **1 year** warranty upon commissioning with the following terms and conditions.

The manufacturer warrants that the manufacturer or its representative repairs all errors under warranty and restores the machine to proper technical conditions in as short a period as possible upon receiving the claim.

The manufacturer's responsibilities only cover machine parts and to the extent of the invoice amount.

- a) The purchaser of the machine can only claim warranty with the warranty document, therefore please keep in a safe place. Ensure that the dealer has marked the exact date of the purchase on the warranty document.
- b) The appointed employees are only able to carry out any repair work under warranty based on the valid warranty document.
- c) Any correction, deletion, overwriting on the warranty document, or any false entry makes the warranty document void.
- d) Lost warranty documents cannot be replaced.
- e) An improperly filled warranty document or the absence of handing over the document to the customer does not affect the validity of the warranty.

### **Rights of the purchaser of the equipment under this warranty:**

(1) In case of defective performance

- a) primarily, the consumer is entitled to require repair,
- b) if it is not possible to repair the machine to be suitable for its intended use, or the repair takes longer than 30 working days, the customer can demand the replacement of the machine from the manufacturer.

- c) if the manufacturer is unable to comply with its obligation to repair or replace the machine as per conditions under section (2), the customer is entitled to demand a price reduction or to the right of withdrawal - according to his/her choice. The right of withdrawal does not apply in case of insignificant errors.

(2) The repair or replacement should be carried out within the deadline undertaken (having respect for the characteristics of the product and the intended use expected by the consumer), without causing the consumer any significant inconvenience.

The manufacturer and the assigned vendor should strive to complete the repair within **fifteen** days, or in case of a replacement, twenty-five days at most.

Only new parts should be built into the machine during repair.

**Where and when should the purchaser of the equipment claim warranty:**

You can claim a repair directly at the representative of BUBBLE-FREE.

You are bound to inform the representative about your objection in the shortest time possible in the given circumstances after noticing the error. Any objection communicated within two weeks should be considered as one communicated within the appropriate time frame. Consumer is responsible for any damage as a result of delayed communication. The warranty period should be extended with any part of the reparation period during which the user is unable to use the machine for its intended use.

**Procedure in case of a debate:**

The parties are entitled to initiate the involvement of technical experts to settle debates.

**Disclaimer of warranty:**

- a.) The product cannot be stored or used under unduly moist or corrosive conditions.
- b.) The machine should not be damaged physically or by chemicals on purpose or by chance.
- c.) The warranty is not valid in case of uncontrollable events, e.g. disorders, war, natural disaster.
- d.) Mechanical damages of the mounting rubber roller, e.g. cuts with blades, damages caused by burrs or sharp edges of the base material, damages of the roller caused by objects left on the table, damages caused by solvents, thinners, are not covered by the warranty.
- e.) Warranty does not cover any error of the pneumatic system caused by skipped maintenance or by bad quality compressed air contaminated with water or oil.

The PVC panel covering the table is suitable for cutting the completed mounted material to size, but it needs replacement after some time due to the many deep cuts. Warranty does not cover errors as a result of physical damage, cuts.

Warranty does not cover parts used for illuminating the translucent glass table (neon tube, illuminator).

The translucent glass table is made of hardened glass. Warranty does not cover cracks or breaks of the glass table as a result of incidental or intentional external physical force.

If the user "jumps" the rubber roller from the table to the material to be mounted with great force and speed, it can cause damage to the piston rod of the pneumatic cylinder or can damage the internal gasket of the piston depending on the pressure and material thickness. Warranty does not cover any consequence as a result of such improper usage.

The manufacturer of BUBBLE-FREE accepts no responsibility or liability for loss of earnings of works as a result of machine failure during the reparation time. No compensation is provided for the above whatsoever.

# Certificate of Conformity

Regarding the 16/2008.VIII. 30. decree of NFGM, attachment 3. (2006/42/CE)

Manufacturer:

**AKKOR-DEKOR Kft.**

Address:

**2225 Üllő, Pesti street 199-201.**

We hereby declare that the following equipment/s:

Product, model :

**BUBBLE – FREE Pro  
1480, 1680, 2180**

meets - during normal use - the specifications for safe usage and the requirements of this regulation.

The product has been marketed with **CE** mark of conformity regarding the 16/2008.VIII. 30. NFGM decree 10th attachment. (2006/42/CE)

Place and date: Budapest, August 01. 2015



.....  
Name of the authorized person to compile  
technical files

Note:

This statement applies only to the equipment of the condition in which it is marketed. It does not apply to parts which are added and / or operations for which the end user is performed on post-marketing experience.