

# HONEY EXTRACTORS 3, 4 AND 5 FRAMES WITH MANUAL, MANUAL-ELECTRIC AND ELECTRIC DRIVE USER'S MANUAL

## CHAPTER 1 – HONEY EXTRACTOR USER'S MANUAL

**Read this user's manual carefully before use and follow the given instructions.**

**Producer cannot be held responsible for any damages caused by improper use.**

1. Honey extractor is designed to extract honey from honey frames.
2. Before using, honey extractor should be washed carefully with hot water and small amount of detergents (allowed for use in food industry) or by using a pressure washer. Remember to protect electronic parts and bearings against water!!!



### Electrical safety

1. Electric installation need to be equipped with a residual current device and is designed to trip on a leakage current of 30 mA. Overcurrent protection needs to be checked periodically.
2. If the power cord is damaged and needs to be exchanged it has to be done through our distribution point or authorised point of repair in order to avoid danger. The honey extractor cannot be used if the power cord is damaged.
3. Before switching the device on, make sure that the programmer is switched off. Switch should be set to '0' level.
4. Make sure that the power supply stays in line with power supply of the honey extractor.
5. Take special care whilst plugging a power cord. Hands have to be dry. Place on the dry surface only..
6. When switching the honey extractor on, the "EMERGENCY STOP" button should remain switched off (in order to switch it off, turn it so that it pops out) Pressing the "EMERGENCY STOP" button will result in the immediate stop of the honey extractor.
7. Honey extractor lid should be closed whilst spinning. Opening the lid during spinning is strictly forbidden.
8. Honey extractor cannot be moved during spinning.
9. When working with electrical honey extractors follow the rules: protect the motor and steering against moisture (also whilst storing).

10. Do not pull the power cord, keep the power cord away from heat sources, sharp edges and maintain its good condition.



### USAGE SAFETY

1. The device is not designed to be used by persons (including children) with limited physical, sensual or psychological abilities or persons who do not have experience or knowledge of the device unless it is done under supervision and according to the user manual passed by persons responsible for their safety. Keep away from children!
2. In case of damage, in order to avoid hazard, repairs can only be undertaken by a special agent or a qualified person
3. Carrying out any maintenance works when honey extractor is in use is strictly forbidden.
4. All casings need to be firmly attached to the device during work.
5. In case of any emergency, use the safety switch immediately. Honey extractor rebooting may be required after the threat has been eliminated.
6. For indoors use only! The device is not designed to be used outdoors.
7. Fan belt should remain loose. It cannot be strained.
8. Do not switch the device and store it at temperatures below 0 ° C. Do not turn on when the ambient temperature is below 5 ° C. Prior to starting honey extractor, especially when moved from the premises of lower temperature to the room with a higher temperature, wait until it reaches the ambient temperature



Repairing whilst in motion prohibited!



Do not remove covers whilst the device is in use



"0/1" Switch on the cover of the controller - currently set to position "1"

### Work Place

Work place needs to be provided with proper light and be kept clean and tidy



### IMPORTANT!

**Unplug the honey extractor from the power source prior to commencing any maintenance**

Before first use and after the honey extracting has finished, honey extractor should be washed carefully with hot water and small amount of detergents (allowed for use in food industry) or by using a pressure washer. During washing pay special attention in order not to wet the motor and the steering (they may be covered with a water-proof cloth throughout the duration of cleaning).

During washing make sure not to wet the bearings which are located under the drum. To avoid wetting the bearings protect the slot inside the drum where the axis of the basket is located.

Once completed, rinse it with clean water and dry it thoroughly.

Before every season the technical check-up needs to be performed. If any fault found, contact the appropriate service.

### UTILIZATION:

The device needs to be utilized in the point designed for that purpose. Customer has the right to return the used equipment to the network of electrical distributors, at least free of charge and directly, if the device returned is of proper type and performs the same function as the newly purchased equipment

## General rules - preparing the honey extractor to work

### Rules of use

1. Honey extractor is designed to extract honey from honey frames.

2. Before first use and after honey extracting has finished honey extractor should be washed according to the rules included in **Honey Extractor Maintenance**.

3. Place the honey frames (having prepared them beforehand) into the basket of honey extractor. Pay special attention to their correct arrangement. Incorrect placing of frames in the basket may cause damages which are not

covered by the warranty!

4. Before switching the honey extractor on:  
make sure that frames are correctly arranged in the honey extractor basket  
- check if the emergency stop button is not pressed  
- plug the device into an outlet, followed by the changing settings on the steering panel from level "0" to level "1". Proceed to honey extractor powering, as per controller user's manual – see chapter 2.

5. First phase of spinning should be performed slowly, in order to avoid potential breaking of honeycombs. Special attention should be paid to so called "young honey frames".

6. Honey extractor needs to be washed carefully before first use - Electrical and manual-electric honey extractors should also be properly dried after washing. Plug the device into an outlet, followed by the changing settings on the steering panel from level "0" to level "1". After that, press the PLUS (+) button and the honey extractor will start working. Adjust the rotations with appropriate buttons, PLUS (+) to increase the speed and MINUS (-) to decrease the speed.

- Whilst using the honey extractor in manual mode, the power supply should be switched off and the belt can be detached from pulley (this way the manual mode will be easier in use because the motor connected with the belt will not withstand). Turn the handle of the manual drive clockwise. In order to stop the basket, spin the handle counterclockwise.

7. Having extracted one side of honey frames, the extractor needs to be stopped:

- To do so, using a manual honey extractor, turn the handle of manual drive counterclockwise and keep it in that position until the basket stops.

- using an electric honey extractor press the „STOP" button and wait until the basket stops.



**Warning!!!** Frames can only be turned over after the basket has fully stopped!

8. After the basket has stopped, honey frames need to be turned around and **points 6 and 7** need to be repeated.

9. Spinning basket should not be blocked by the honey accumulated in the drum. If that happens, stop the honey extractor in order to avoid its damage. Once the honey has dripped down to the container, the spinning can be restarted.

10. Place the containers allowed for food contact under the drain valves.

11. During the spinning, the drain valves have to be open so that honey can freely drip down.

## **CHAPTER 2 – CONTROLLER IN HONEY EXTRACTORS**

### **3, 4, 5-FRAMES – ELECTRIC AND MANUAL-ELECTRIC**



Controller has a switch "0/1" used for switching on and switching off the extractor and a safety switch – large red round button ("EMERGENCY STOP") used to immediate stop the work of honey extractor and a fuse (5A) located under the switch "0/1".

Control unit is equipped with navigation buttons "PLUS" and "MINUS" and the button "STOP".

#### **2.A. Controller characteristics:**

HE-00 controller is used in diagonal honey extractors and has the ability to control the characteristics of adjustments– adjusting to the conditions of power supply and motor parameters.

Controller has got factory settings. However, the voltage differs across networks (230 V). Therefore, the controller settings can be adjusted to the voltage which exists across the network using parameters L and h.

Parameter L – sets the minimum basket speed.

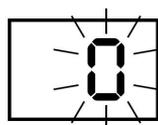
Parameter h – sets the maximum basket speed.

Controller, after setting the parameters L and h, divides the velocity range from minimum to maximum over 10 steps (10 parameters 0-10).

#### **2. B. Controller start-up:**

After powering the honey extractor, set the switch "0/1" to "1" level.

Then the controller performs a sequence of self-diagnosis signalled by flickering of the "0" digit.



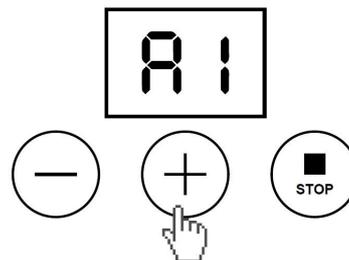
START STEROWNIKA

After completion of self-diagnosis sequence, the controller goes into normal operation mode, waiting to be started. The display shows "0" digit.

#### **2.C. Honey extractor start:**

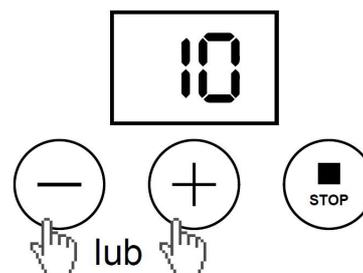
In order to start the honey extractor, make sure that safety

switch "EMERGENCY STOP" (large, red button located at the top of the controller cover) is not pressed. Then press the "0/1" button and set it to "1". Start the extractor by pressing "PLUS" button .



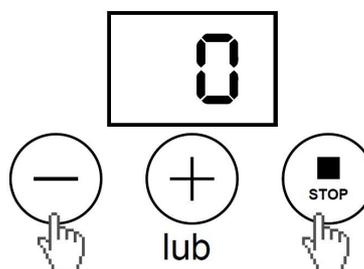
The first pressing of the "PLUS" button will launch the starting procedure. The controller will start with more power, and gradually reduce it over time to the level set in the first setting's step. The display shows "A1".

Pressing the "PLUS" or "MINUS" buttons will increase or decrease the speed of the spinning basket in the range form 1 to 10.



To stop the extractor press either the "STOP" button once or the "MINUS" button for several times.

Standstill of spinning is indicated by the digit "0".



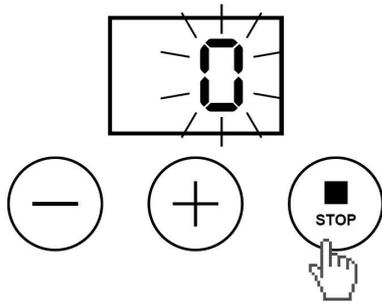
#### **2.D. Controller configuration:**

When the honey extractor is switched on and the basket does not spin or spins too fast it means that the controller configuration needs changing.

Change of the current configuration of the controller can be carried out by pressing the **STOP** and switching off the honey extractor by setting "0/1" switch to level "0". Wait a while and switch the honey extractor on again by setting "0/1" switch to level "1".

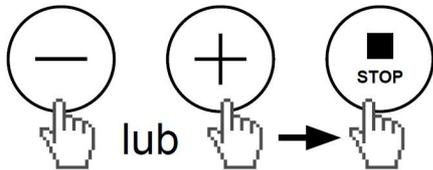
When there is a digit '0' flashing on the screen – press and hold 'STOP' button until the "Pr" (programming)

With regards to the Directives: 2006/42/WE and 2004/108/WE



Change of the current configuration of the controller is carried out by change of two parameters. Parameters "L" and "h" can be changed by pressing buttons "PLUS" and "MINUS".

To confirm the change press the "STOP" button.



I parameter „L” (range from 0 to 9, la, lb, lc, ld...TJ. 10,11,12,13...) - it is initial speed.

II parameter „h” (range 0 to 5) – it is final speed (maximum).

**Honey extractor is activated by pressing „PLUS” button**

Przedsiębiorstwo Pszczelarskie Tomasz Łysoń  
Spółka z ograniczoną odpowiedzialnością Spółka Komandytowa  
ul. Raclawicka 162, 34-125 Sułkowice, Polska.

The company Beekeeping Tomasz Łysoń Limited Liability Limited Partnership, declare under our sole responsibility that centrifuge for

**Honey extractor**

**Lyson brand ŁYSOŃ type MM model (commercial code):**  
**500 D3p (W2012), 500 DR3p (W20120), 500 D4p (W2013C),**  
**500 DR4p (W2013B),**

**600 D4p (W2013), 600 DR4p (W20130),**  
**600 D5p (W2014), 600 DR5p (W20140), 600 R (W20001),**  
in regards to that statement

is compliant with following directives:

- **machine directive 2006/42/WE**

- **electromagnetic compatibility deirective 2004/108/WE**

and it is compliant with Harmonized Norms:

PN-EN 12547+A1:2009 (EN 12547:1999+A1:2009)

PN-EN ISO 12100:2011 (EN ISO 12100:2010)

PN-EN ISO 13849-1:2008 (EN ISO 13849-1:2008)

PN-EN 62061:2008 (EN 62061:2005)

PN-EN 349+A1:2010 (EN 349:1993+A1:2008)

PN-EN ISO 13850:2008 (EN ISO 13850:2008)

PN-EN 953+A1:2010 (EN 953:1997+A1:2009)

PN-EN 1037+A1:2010 (EN 1037:1995+A1:2008)

PN-EN 60204-1:2010 (EN 60204-1:2006+A1:2009)

PN-EN 61310-2:2010 (EN 61310-2:2008)

PN-EN 1672-2+A1:2009 (EN 1672-2:2005+A1:2009)

PN-EN 61000-6-1:2008 (EN 61000-6-1:2007)

PN-EN 61000-6-3:2008 (EN 61000-6-3:2007)

Name and address of person preparing technical documentation:

Tomasz Łysoń ul. Raclawicka 162, 34-125 Sułkowice, Polska.

Sułkowice, 01.10.2011 r.

Tomasz Łysoń

Procurent

## 2.E. ERROR CODES

- E1 - (Error) - Controller's microprocessor internal fault
- E2 - (Error) - Damage to the circuit synchronized to the mains
- E3 - (Error) – Short circuit / pressing the (-) button
- E4 - (Error) - Short circuit/ pressing the (+) button
- E5 - (Error) - Short circuit / pressing the (STOP) button
- E6 - (Warning) - deletion of controller's configuration settings

Nr 4/11/CE

With regards to the Directives: 2006/42/WE and  
2004/108/WE

Przedsiębiorstwo Pszczelarskie Tomasz Łysoń  
Spółka z ograniczoną odpowiedzialnością Spółka  
Komandytowa  
ul. Raclawicka 162, 34-125 Sułkowice, Polska.

The company Beekeeping Tomasz Łysoń Limited Liability  
Limited Partnership, declare under our sole responsibility  
that centrifuge for  
Honey extractor

Lyson brand type type MM-S model (commercial code):  
600 D4p (W20430), 600 DR4p (W204300),  
in regards to that statement  
is compliant with following directives:  
- machine directive 2006/42/WE

-electromagnetic compatibility deirective 2004/108/WE

and it is compliant with Harmonized Norms:

PN-EN 12547+A1:2009 (EN 12547:1999+A1:2009)

PN-EN ISO 12100:2011 (EN ISO 12100:2010)

PN-EN ISO 13849-1:2008 (EN ISO 13849-1:2008)

PN-EN 62061:2008 (EN 62061:2005)

PN-EN 349+A1:2010 (EN 349:1993+A1:2008)

PN-EN ISO 13850:2008 (EN ISO 13850:2008)

PN-EN 953+A1:2010 (EN 953:1997+A1:2009)

PN-EN 1037+A1:2010 (EN 1037:1995+A1:2008)

PN-EN 60204-1:2010 (EN 60204-1:2006+A1:2009)

PN-EN 61310-2:2010 (EN 61310-2:2008)

PN-EN 1672-2+A1:2009 (EN 1672-2:2005+A1:2009)

PN-EN 61000-6-1:2008 (EN 61000-6-1:2007)

PN-EN 61000-6-3:2008 (EN 61000-6-3:2007)

Name and address of person preparing technical  
documentation:

Tomasz Łysoń ul. Raclawicka 162, 34-125 Sułkowice,  
Polska.

Sułkowice, 01.10.2011 r.

Tomasz Łysoń



Proxy