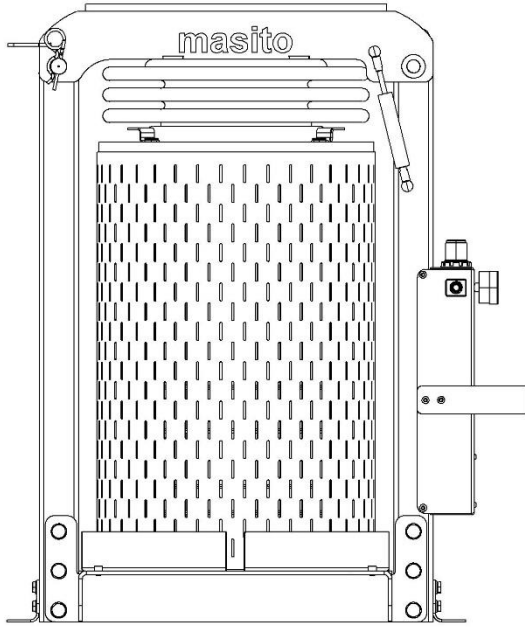


# PNEUMATIK 50



## MASITO Ü

ENG USER MANUAL FOR PNEUMATIC JUICE PRESS

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<b>Model</b>	<b>Pneumatik 50</b>
<b>Weight</b>	<b>50 Kg</b>
<b>Dimensions</b>	<b>585x450x785 mm</b>
<b>Maximum Operating Pressure</b>	<b>7.5 bar</b>

**ENG**

For the safety of users, please thoroughly read this user and maintenance manual before using the equipment.

## General Information

General Information

Model: Pneumatik 50

Date of Manufacture: 05/2024

Device Weight: 50 kg

Maximum Operating Pressure: 7.5 kg

Basket Capacity: 50 L

The Pneumatik 50 is a pneumatic juice press designed for pressing juice from apples and other fruits and vegetables. The pulp from which juice is to be extracted must be crushed into a uniform mass beforehand

**Before using the device, read all instructions and ensure you understand them.**

### Safety Instructions:



Read the user and maintenance manual before using the equipment.



Risk of injury from flying or ejecting parts.



Rotating parts may crush or cut; do not place hands near moving parts.



Use a full-face shield and wear hearing and eye protection when operating the equipment.



Wear gloves when using the device.



Do not remove safety guards or clamps.

## Usage

**Turning the machine on and off:** The machine is switched on and off using the pneumatic switch and pressure regulator located on the machine casing. To turn on the machine, move the air valve to the right and open the compressed air line with the pressure regulator. The pressure in the air line can be seen on the gauge mounted on the machine. At the start of the cycle, the pressure should be zero.

**Workplace:** The workstation for operating the machine must be on a flat, stable surface and free from factors that may interfere with the work process. Keep children and unauthorized persons away while operating the press.

**Maintenance:** The machine should not be connected to the compressed air line during maintenance. Ensure the machine is turned off. Clean the machine with running water.

**Warnings:** Before connecting the machine to the compressed air line, check the condition of the air cushion. If there is any damage or defect, it is strictly prohibited to use the machine.

**Transporting:** When transporting the machine, lift it from the frame or casing. Do not lift the machine by the air cushion, hose, or pneumatic components. Before moving or transporting, ensure the machine is disconnected from the compressed air line and that you are physically capable of performing the task. Set the machine on its feet and secure it with straps or suitable equipment.

**Emergency Situations:** In emergencies, immediately contact emergency services by dialing 112 and follow their instructions.

**Environmental Conditions:** The machine is intended for both indoor and outdoor use. When used outdoors, it should be in dry weather with a temperature range of +5°C to +30°C.

**User Competency:** No special training is required to operate the machine. The operator must be an adult and in good health. The use of the machine is prohibited by individuals under the influence of alcohol, drugs, or with mental health conditions.

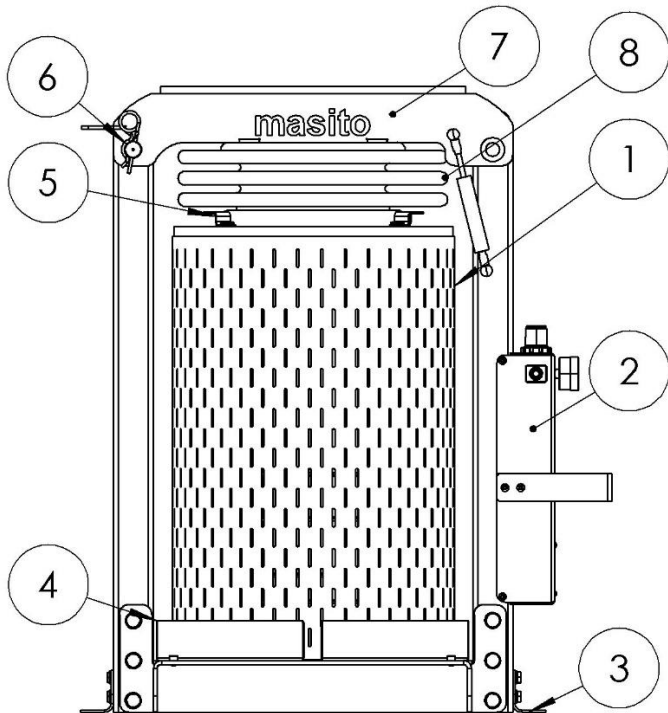
**Repair and Maintenance:** Only authorized personnel or companies with the necessary training should conduct repairs and maintenance on the machine. Authorized repair and maintenance for the Pneumatik 50 are performed by Masito OÜ at Gonsiori 31a, Tallinn, Estonia, 10147.

**Disposal:** The device must not be disposed of with regular waste. Users are required to take the device to a waste disposal site for proper recycling or disposal.

**Machine Preservation:** Before preservation or storage, clean the machine according to the manual. Store the machine in a dry, clean room at a temperature between -40°C and +40°C.

**Modifications:** Unauthorized modifications to the machine are prohibited.

Figure 1. Illustrative Diagram



1. Machine Components

**1.1 Pressing Basket**

**1.2 Pneumatic Body**

**1.3 Legs**

**1.4 Juice Tray**

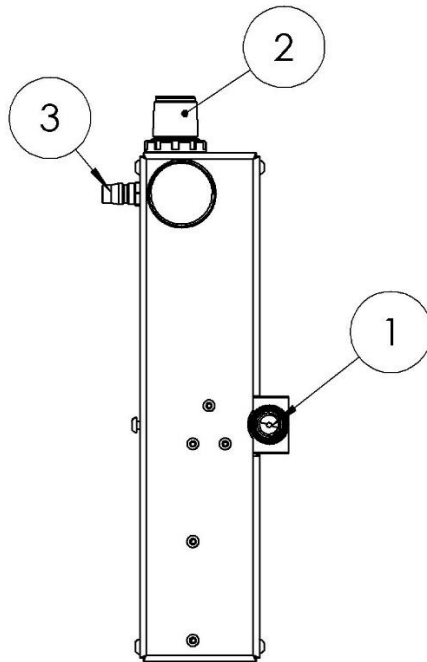
**1.5 Pressing Plate**

**1.6 Stopper**

**1.7 Boom**

**1.8 Air bellow**

Figure 2. Pneumatic Body Components and Lever Positions



**1. Pressure regulator**

1.1 Turning clockwise decreases pressure

1.2 Turning counterclockwise increases pressure

**2. Pressure Valve**

2.1 Moving the lever to the right opens the pressure line – the cushion moves down

2.2 Moving the lever to the left opens the vacuum line – the cushion moves up

2.3 Middle position – pressure valve closed – cushion does not move

**3. Gauge**

## Operation

- **Always ensure that the device is disconnected from the compressed air line before use, adjustments, and assembly. Confirm that the air valve and pressure switch are in the closed position (Figure 1, points 1.1 and 2.3).**
- Place the machine on a flat, stable surface. Ensure the pressing basket is empty and free from foreign objects.
- Verify that all safety measures listed in the manual and displayed on the machine are in place.
- Check that the safety guards and fasteners are in place and correctly installed, and that the air valve is in the closed position.
- Place a container under the machine's output spout to collect the pressed juice.
- To start the work cycle, remove the stopper (Figure 1, point 6) and open the top beam (Figure 1, point 7).
- Pack the crushed fruit mass into the basket in 5 layers (Figure 1, point 1), using filter cloths for each layer. Between each layer, place three cross-stacked spacer grids. The basket should be filled to the top edge.



- Place the pressing plate (Figure 1, point 5) inside the basket so that its base is firmly against the fruit mass and the pressing plate is parallel to the juice tray.
- Close the top beam (Figure 1, point 7).
- Ensure that the base of the air cushion fits exactly between the pressing plate handles, centering the basket relative to the pressing pad.
- Insert the stopper (Figure 1, point 6).
- Turn the pressure regulator to the closed position (Figure 2, point 1.1) and make sure that the pressure switch is in the closed (center) position (Figure 2, point 2.3).
- Double-check that you are using all required protective equipment and that all necessary safety requirements have been met.
- Attach the air hose to the pneumatic body of the device using a suitable quick-connector hose.
- Using the air valve, open the compressed air line (Figure 2, point 2.1).
- Gradually increase the working pressure using the pressure regulator (Figure 2, point 1.2).
- Allow the juice to flow and continue increasing the pressure throughout the cycle until the juice flow stops. Ensure that

the air pressure does not exceed the manufacturer's specified maximum working pressure.

- Once the juice flow has stopped, move the air valve to the vacuum position (Figure 2, point 2.2).
- Wait until the air cushion returns to the closed position, then turn the pressure regulator back to its initial position (zero).
- Remove the air hose, remove the stopper, and open the beam.
- Empty the basket – the work cycle is complete.

### **Cleaning**



Avoid using a pressure washer.

Rinse all components of the device with lukewarm running water. For heavily soiled parts, you may use neutral soap and a brush.

After washing, dry the parts and store them in a well-ventilated, dry room to prevent oxidation.