

FRUIT CRUSHER

MMS55



MANUAL FOR SAFE USE AND MAINTENANCE

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1 INTRODUCTION

We thank you for the trust you have shown us by purchasing our product. We are certain that you will be satisfied with it. Before first use you should carefully read and understand the instructions to ensure safe use and maintenance and acquaint yourself with the intended purpose, functionality and handling of the device. The instructions are compiled so that you can familiarise yourself with all the necessary actions to be undertaken before the first and each subsequent application.

If you hand over the product to a third party, you must also supply the instructions for safe use and maintenance.

While reading, pay extra attention to the chapters and paragraphs marked with the following symbol.



In addition to the text in the instructions, this symbol especially emphasises the importance of the text provided in a specific chapter of the instructions.

Only persons older than 18 years and who are familiar with the contents of the instructions for safe use and maintenance may use the device.

2 SERVICING AND ORDERING SPARE PARTS

Servicing and repair of the defects during and after the warranty period are performed by:

ZOTTEL d.o.o.
Cesta Žalskega tabora 19
3310 Žalec, Slovenia



Phone: +386 (0)3 710 13 70, info@zottel.si

When ordering spare parts always specify the following:



- device name,
- device type,
- device serial number,
- year of manufacture of the device.

All the information required for ordering spare parts of the device are provided on the nameplate or a label permanently attached on the device.

3 INTENDED USE

The fruit crusher is intended exclusively for grinding fruits such as apples, pears, quinces, apricots, peaches, rhubarb, plums, dates, strawberries, blueberries, currants, cherries, sour cherries, and vegetables such as carrots, beets, tomatoes, onions, horseradish, sorrel, etc. Fruits have to be destoned before crushing otherwise stones will be crushed too.

Shaking fruit and vegetables from the bowl into the funnel is only done when the server is standing on the floor and acting in accordance with these instructions.

Before use, read the instructions carefully and make sure you understand them correctly. Any use outside of this scope is considered unintended. The manufacturer is not liable for damage resulting from improper use. In this case, the risk is borne by the user himself.



Use only original equipment and replacement parts recommended by the manufacturer. Custom modifications to the machine exclude the manufacturer's warranty for damage arising in this connection.



The device can only be used by persons over 18 years of age who are familiar with the contents of the instructions for safe use and maintenance.

Read this manual carefully before installation, use, adjustment or maintenance!
Improper and unprofessional use can lead to serious and permanent injuries.

Any use outside of the described purpose is considered as non-intended use, for which the manufacturer does not guarantee safety and functionality. Any modifications and replacements of the original components of the fruit crusher exclude the manufacturer's guarantee for the safety and functionality of the crusher.



4 TECHNICAL INFORMATION

Type	MMS55
Capacity	4200 kg/h
Length	580 mm
Width	680 mm
Height	1510 mm
Blades	3 pcs
Weight	98 kg
Electric motor power	5,5 kW
Mains voltage	400 V/50 Hz
Revolutions	1450 rpm
Code	21MMS55

The fruit crusher has a typical electrical connection to the electrical network 3 x 400 V, 16 A. Before any intervention on the device - the crusher, it is necessary to disconnect the device from the network. The center of gravity of the device, which is 151 cm high, is below half the height of the device, which ensures adequate stability for the crusher during operation.

The crusher has an electric motor mounted on the lower part. The electric motor with a power of 5.5 kW at 50 Hz has 1,450 revolutions per minute and 1,740 revolutions per minute at 60 Hz.

The electrical installation is carried out in accordance with the SIST EN 60204 standard.

5 DESCRIPTION



The fruit crusher is made of stainless steel, suitable for contact with food and meets the requirements for easy cleaning. The fruit crusher consists of a hopper 2, screwed onto the rotor 3. The rotor is attached from below to an electric motor 4 with a switch and socket 5. The rotor is fixedly mounted in the base 6 with screws 8 for adjusting the support of the base 6. The fruit crusher has a discharge chute 9 and on this side a protection for the electric motor 7. The rotor 3 has a crusher 12 attached to the shaft of the electric motor 4, with a screen 11 mounted on the periphery, secured against removal with a screw 10.

You can adjust the grinding fineness by changing the blades. The standard equipment includes three different blades that can be used depending on the type of fruit/vegetables and the desired thickness of the ground mass. The attachments have round holes Ø8, round holes Ø14 and square holes 17x112mm.



6 SAFETY DURING OPERATION

Warning of general hazards

Mandatory use of protective equipment:

Protective clothing: wear clothing that will protect you from dirt and injuries. It is also recommended to wear tight fitting clothes to avoid danger of getting stuck in the machine.

Safety glasses: They protect the eyes from possible flying particles of fruit or other parts during grinding.

Protective gloves: Wear cut-resistant gloves to protect your hands from sharp parts of the crusher or fruit.

Hearing protection: If the crusher is very loud, it is recommended to wear earplugs or other forms of hearing protection to prevent hearing damage.

Protective footwear: Wear sturdy shoes, preferably with a toe cap, to protect your feet in case something falls on them.



It is strictly forbidden to stay on the work equipment and push the grinding material down the cylinder with your hand or other tools in order to increase the amount of grinding material!

Closing and opening the roller in front of the grinding teeth of the crusher is manual. When closing, care must be taken that the user does not have his fingers between the grinding mechanism and the cylinder.

It is strictly forbidden to reach into the opening for ejecting ground fruit with your hand. In the event that the opening is blocked on the grates, it is mandatory to stop the operation of the crusher beforehand, turn off the crusher. Only then can the opening for the ejection of ground fruit be cleaned.

The use of a crusher for grinding fruit is not allowed without the use of a sieve. The crusher poses a safety and health hazard due to the non-use of the sieve.

Using a crusher without a sieve can lead to damage to the structure of the crusher.

Warning for potentially explosive atmosphere

The crusher must not be placed in an explosive atmosphere or operated with it!

Doing so could result in serious injury or death!

Warning of dangerous voltage:

The motor, switch and plug must not come into contact with water.

If this happens, serious injury or death may result.

- Place the fruit crusher on a flat surface
- Keep the connection cable away from the working area of the crusher



Access to the crusher must be properly arranged by the user. The minimum access width around the crusher for maintenance purposes is 70 cm. All control buttons must be easily and easily accessible by the user, including the main switch for turning off the power and disconnecting the device from the power supply - socket.

It is necessary to prevent access by unauthorized persons!

7 OPERATION OF THE FRUIT CRUSHER

7.1 Initial start



Placement on hard, level ground.

The floor should prevent slipping.

There should be a working area in the vicinity of the fruit crusher, which will enable safe work.

A perfect mains socket according to the requirements of the technical data.

Work surfaces in the work environment where the work equipment of the fruit crusher will be used must be flat, dry and undamaged. The work equipment is installed on a flat and properly placed stable surface inside the work premises or in the external environment under a suitable canopy so that it is not directly exposed to external influences, snow, rain, moisture, etc., where it will be possible to perform the work safely and healthily.

Place the fruit crusher on the floor and remove the wrapping film.

Connect the cable socket to the electric motor and the cable plug to an undamaged mains socket according to the requirements of the technical data.

Turn on the main switch of the electric motor and, in the case of a three-phase electric motor, check the direction of rotation with the arrow on the fruit crusher.

If the direction of rotation is not correct, pull out the cable and change the poles on the electric motor socket by twisting the two poles with a screwdriver.

Connect the power cable connector to the electric motor and insert the cable plug into a suitable mains socket that meets the requirements of the technical specifications.

7.2 Operation

The user is obliged to read the instructions for use thoroughly before using the fruit crusher for the first time!

Before use, it is necessary to ensure adequate space in the vicinity of the crusher, so that it will enable you to easily deliver the material for grinding and take away the ground material.

It is forbidden to move the crusher during operation or to move the connected crusher to electrical voltage!

In the room where the work with the fruit grinding crusher will be carried out, an adequate level of lighting must be provided to prevent the user from tripping, slipping or falling.

Before the first start-up, it is mandatory to check the adequacy and attachment of all installed components (shaft with grinding mechanism, attachment of screws, proper placement of the sieve, attachment of the throat to the crusher, etc.).

The permissible filling level of the grinding crusher is 2/3 of the height of the cylinder, up to the rubber protection, which at the same time serves as a guard against the ejection of objects.



The hopper must be empty before starting.

Mandatory use of gloves, appropriate clothing and footwear, and noise protection.

Do not reach inside the hopper when the machine is running!

Do not clear jams while the machine is running. Switch off the fruit crusher and pull the cable out of the socket!

Do not lift containers heavier than 25 kg! Or. lift them with appropriate aids.

Reconnect the fruit crusher to the mains. Prepare a suitable tub and place it under the discharge funnel. Prepare a disposal area for full containers and empty containers. Turn the fruit crusher on and slowly shake the fruit out of the fruit bowl to avoid jamming the fruit in the hopper. Do not fill the funnel to the top because you risk jamming the fruit in the funnel!

It is strictly forbidden to reach into the opening for ejecting ground fruit with your hand. In the event that the opening is blocked, on the grates, it is mandatory to stop the operation of the crusher beforehand, turn off the crusher. Only then can the opening for the ejection of ground fruit be cleaned.

Empty the container full of ground fruit in time. For longer interruptions, turn off the fruit crusher.

The fruit crusher is intended exclusively for grinding fresh fruit. When grinding the rest of the material, such as dry bread, etc., it is necessary to thoroughly clean the crusher. The use of open flames or smoking is prohibited when grinding!

In the case of grinding dry material, careful sweeping of the dust is necessary. Blowing off dust with compressed air is strictly prohibited.

8. INSPECTION AND MAINTENANCE OF FRUIT CRUSHER



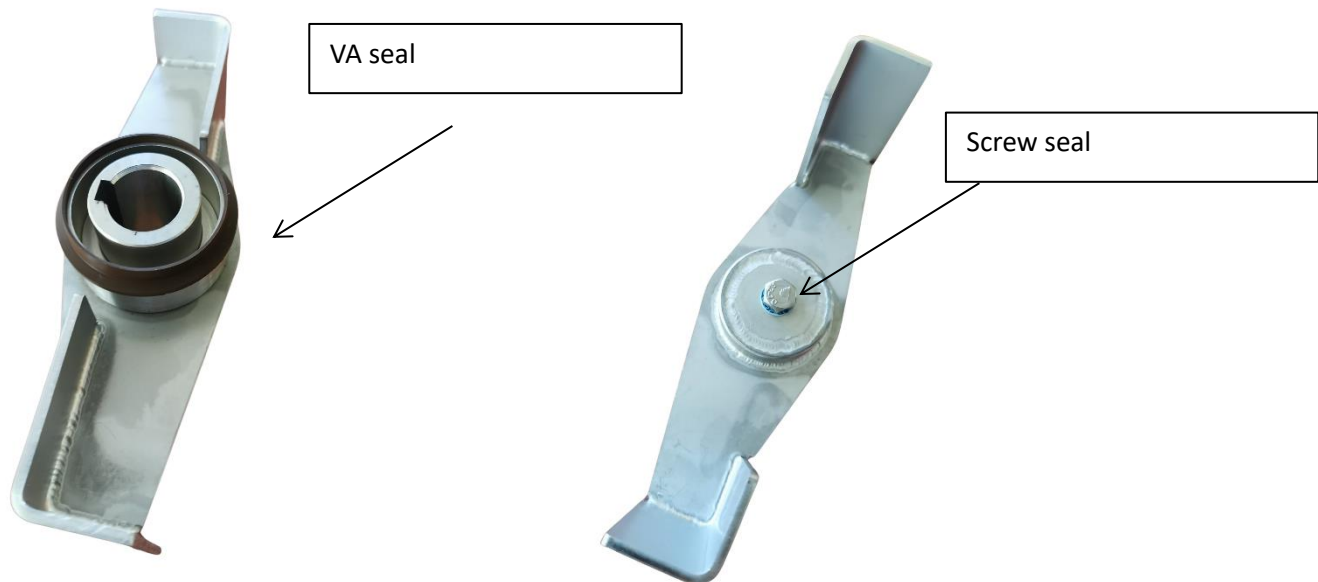
Inspection and maintenance can only be carried out when the fruit crusher plug is pulled out!

Before each use, you must check if all parts are functional – mainly flawless operation of switches and socket. Regularly check that the screws are tightened. Apart from regular cleaning, the product does not require any other maintenance.

If there is a breakdown or if there is any damage which could lead to a breakdown, call the service centre.

Proper use and consistent maintenance extend the service life of the fruit crusher and its components.

Check the VA seal and crusher screw seal before each use. In case of visible damage, replace them. We recommend replacing the seals annually with frequent use. In case of moderate use of the crusher, replace the seals every two years.



When cleaning the inside of the crusher, changing the shaft with grinding knives or changing the sieve, the use of personal protective equipment and gloves complying with the EN 388 standard is mandatory.

The surface around the fruit grinding crusher must be regularly maintained and cleaned. Regular cleaning of wet surfaces is necessary to ensure safe and healthy work. Place a sufficiently wide and high container under the opening for the ejection of ground fruit, which will prevent the ejection of ground fruit and juices produced during grinding into the surroundings. Slippery and slippery floors are dangerous.

Household cleaning agents used for washing the dishes may be used. Clean with a cloth or sponge and appropriate gloves. Use plastic spatulas, metal spatulas must not be used.

Wash the interior of the rotor, the storage container, the discharge funnel and the sieves with water. Clean the base with a cloth. Wipe the electric motor and switch with a dry cloth.

In case of cancellations or findings that certain damages may lead to cancellation, call the service department.

The noise level also depends on the type of ground material or hardness of the material being ground.

In the event of an unusual and unusual increase in noise, it is necessary to stop the operation of the crusher immediately.

If unusual vibrations of the crusher occur during operation, immediately stop operation.

The reason for the increase in noise can be worn or damaged parts of the grinding mechanism, damaged bearings or hard parts in the crusher part, etc.

The cause of inappropriate noise can also be the inappropriate direction of rotation of the grinding mechanism for grinding. In this case, set the appropriate direction of rotation of the grinding mechanism (left or right) on the main switch.

In case of occasional increase in noise due to the grinding of harder dry material, the use of personal protective equipment for hearing protection in accordance with EN 352 is mandatory.

Correct use and consistent maintenance extend the life of the fruit crusher and its components.

8 TRANSPORT AND STORAGE

Transport instructions

- The fruit crusher must be disconnected from the electricity supply before transport
- Secure the fruit crusher well to prevent damage during transport
- Tilt the fruit crusher and move it on the transport wheels, which are attached to the legs of the crusher
- The fruit crusher must not be stored in a room where the temperature can drop below freezing - prevent frost.

When unloading the fruit crusher, check for possible transport damage. If they occur, check with the manufacturer if the product is still safe to use.

9 DISMANTLING AND REMOVAL OF THE DEVICE

The device as a whole has a service life of 15 years taking into account the instructions for safe use, maintenance and inspection. The individual components of the device have varying length of service life, so they must be replaced with new ones in the event of possible damage, wear and mechanical damage.

Replacement can only be performed with the purchase of technically appropriate, i.e. original spare parts.

After the expiration of the device's service life, the entire device must be disposed at the designated collection points in accordance with the classification of waste.

9.1 Prolonged non-use

1. If you do not use an already used the crusher for a long time, it is necessary to completely empty, clean and dry it after use.
2. Before restarting, the device must be visually inspected to ensure that no damage or malfunctions occurred during storing.
3. The device must be protected from direct sunlight, heat or UV light.
4. Make sure there is air circulation in the device. Avoid condensation.
5. Store the device indoors, preferably at around 15-25 °C.

10 DECLARATION OF CONFORMITY

EC Declaration of Conformity

in accordance with the EC Directive 2006/42/EC

and the Rules on machinery safety (Official Gazette of the Republic of Slovenia, No. 75/08)

Producer:
ZOTTEL D.O.O.
Cesta Žalskega tabora 19
3310 Žalec

Declare with full responsibility that the product:

Fruit crusher MMS55

Meets the basic safety and health requirements of

the EC Directive 2006/42/EC and the Rules on machinery safety (Official Gazette of the Republic of Slovenia, No. 75/08)

For the proper implementation of the designated safety and health requirements from the EC directives, the following standards and/or technical regulations were used:

SIST EN ISO 12100:2011, Safety of machinery - General design principles - Risk assessment and risk reduction

SIST EN ISO 13857:2020, Safety of machines - Safety distances that prevent reaching dangerous areas with upper and lower limbs
EN 1672-2:2020

Žalec, August 2024

Branko Zottel


Cesta Žalskega tabora 19
3310 Žalec, Slovenija
Tel: 03/710 13 70

11 WARRANTY

The company **ZOTTEL d.o.o.** declares that:

- the product will function properly within the warranty period if you use it in accordance with its intended purpose and instructions for safe use,
- we will ensure the maintenance service and necessary spare parts of the product for 5 years from the date of purchase,
- upon request, if it is submitted within the warranty period, we will repair at our own expense any faults and deficiencies of the product which cause it to not operate correctly within 30 days of the day the fault is reported at the latest.

The warranty applies from the day the product is purchased, demonstrated upon return using the certified warranty statement (shop's stamp, date of sale and salesman's signature). The warranty shall cease to apply if it is established that a prior repair was performed by an unauthorised person, or if non-original parts have been installed.

In the event of a malfunction, the product must be returned for repair to the ZOTTEL d.o.o., Cesta Žalskega tabora 19, 3310 ŽALEC Service with the enclosed filled out warranty certificate. The transport costs of the product during the warranty period for delivery from a repair service is acknowledged against the submission of receipt under the applicable transportation tariff.

CONDITIONS

If your device shows a defect or malfunctioning within the warranty period, we kindly ask you to inform us of your warranty claim. The fastest and most convenient option is to return the device or report the defect to the responsible dealer or directly to us at info@zottel.si or +386 3 710 13 70.

ZOTTEL d.o.o.	
PRODUCT: Fruit crusher	TYPE: MMS55
NAME, HEADQUARTERS AND STAMP OF THE VENDOR:	DATE OF SALE:
	SIGNATURE:
WARRANTY PERIOD OF FRUIT CRUSHER: 24 MONTHS	