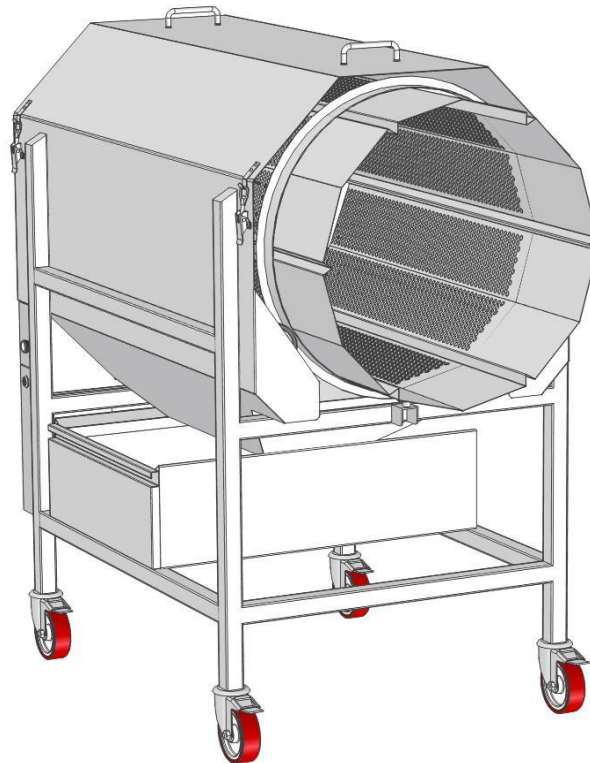




RoboLabs

Incredible machines for fastfood & funfood

OPERATING MANUAL SIFTER (VPM-RGSM3EU)



**CAUTION: READ THE INSTRUCTIONS
BEFORE USING THE MACHINE!**

PDF version of this manual is available on www.robolabs.pro

Table of contents

Safety requirements.....	3
1. Overview.....	4
2. Technical specifications	4
3. Delivery set.....	4
4. Power requirements.....	5
5. Intended use.....	5
6. Technical maintenance	6
7. Acceptance certificate.....	7
8. Warranty obligations	8
9. Manufacturer details	8
Annex A. Wiring diagram	9
Annex B. Parts list	10

Safety requirements



DO NOT WASH ELECTRIC COMPARTMENT WITH WATER!



ONLY INSTRUCTED PERSONNEL ARE ALLOWED TO OPERATE THE MACHINE!



DO NOT LEAVE RUNNING MACHINE UNATTENDED!



ALL SWIVEL CASTERS MUST BE LOCKED WHILE IN OPERATION!



BEWARE MOVING PARTS!



1. Overview

VPM-RGSM3EU sifter (hereinafter “sifter” or “machine”) is intended to use with Grand Robopop 220 machine only. Sifter is a rotating perforated drum that serves to:

- Retract popped corn from the outlet port of Grand Robopop machine;
- Screen un-popped kernels (“old maids”), partly popped popcorn, husk and debris, as well as other small particles;
- Provide additional drying time for the product.

Parts contacted with food are made of AISI 304 stainless steel or other food grade material.

2. Technical specifications

Throughput	up to 80 kg/hr of popped corn
Rated power	0.8 kW
Rated voltage	~230V 50Hz
Overall dimensions	1520x870x1516 mm
Shipping dimensions	2210x1050x1645 mm
Net weight	190 kg
Gross weight	300 kg
IP rating	IP22

Equipment must be operated at ambient temperatures up to 40°C with relative humidity no greater than 50%. Altitude above sea level should not exceed 1000 m.

3. Delivery set

Sifter on wheeled base	1 pc
Scrap tray	1 pc
Documentation	1 set

4. Power requirements



ELECTRIC SOCKET MUST HAVE GROUNDING CONTACT!



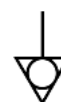
CONNECTIONS MUST BE DONE ONLY BY QUALIFIED ELECTRICIAN!



IF SUPPLY CORD DAMAGED, IT MUST BE REPLACED BY MANUFACTURER, SERVICE AGENT, OR QUALIFIED PERSONS IN ORDER TO AVOID HAZARD!

It is necessary to periodically check electric connections, including grounding connection. Whenever any fault conditions are found, do not turn the equipment on, and call for qualified electrician!

Equipotential bonding wire (up to 10 sq.mm) shall be connected to screw terminal marked with IEC 5021 sign.



Cable plug is not included in the delivery set. 16 A 2P+PE Schuko plug or other suitable plug. Refer to the wiring diagram on the power cord label.

It is necessary to check electric wires and ground connection of the machine periodically. In case of faults found, an electrician must be called. It is allowed to turn the machine on only after all the issues are resolved.

5. Intended use

The main components are: 1 – sifter drum; 2 – control panel; 3 – scrap tray; 4 – swivel caster with lock; 5 – cover, see below:

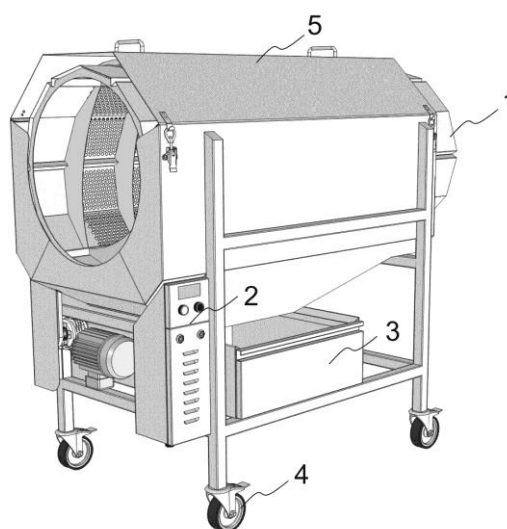


Fig. 1 Main components

Unpack the machine, check the delivery set. Remove protective film from all surfaces. Once machine is placed in its dedicated place, connect machine to the power outlet (see chapter 3) and lock all four swivel casters.



ALL SWIVEL CASTERS MUST BE LOCKED WHILE IN OPERATION!

Control panel has two push buttons, “Start” and “Stop”. To start sifter operation press Start button once. To stop sifter operation press Stop button.



Fig. 2 VFD control panel

Rotation speed may be adjusted on the VFD unit inside the control compartment. To do this, open the compartment and adjust rotation speed with up and down arrow keys on the VFD panel shown on the right. Close the compartment once the speed is changed.

6. Technical maintenance

The purpose of technical maintenance is to keep the machine in good condition during all the lifetime and to meet safety regulations.

Recommended cleaning schedule is the following¹:

ACTION	PERIOD
Scrap tray purge	as required
Outer surface cleaning	once a day
Sifter drum cleaning	once a week
Sifter drive shaft rollers cleaning	once a month



DISCONNECT ELECTRIC PLUG BEFORE CLEANING!



DO NOT WASH ELECTRIC COMPONENTS WITH WATER!



DO NOT USE SHARP TOOLS OR ABRASIVES FOR CLEANING!

¹ Any cleaning procedure has to be performed as often as required.

Outer surface cleaning

Clean outer surfaces of the machine by the means of dry and clean cloth; it is allowed to use a cloth slightly damped with soap water.

Sifter drum cleaning

Sifter is not rigidly connected to the machine and can be taken out of the machine. To do this, remove protective cover by unlatching four locks and then take the drum out of the machine. Wash it with suitable detergent.

Sifter rollers cleaning

Sifter lies freely on two shafts each with couple of rubber rollers. In the course of time, the rollers' surface may become greasy and slippery, because of natural corn oil and dust. This may cause sifter stop and popcorn machine clogging. To avoid this, rollers must be cleaned as necessary. It is suitable to do with a hard steel brush or other tool that provides strong impact on grease layer on rollers' surface.

7. Acceptance certificate

ACCEPTANCE CERTIFICATE	
_____ Product Name	_____ Serial No.
The equipment is made with accordance to mandatory requirements of the state standards, actual technical documentation, and approved for use.	
QC Engineer	
STAMP HERE	
_____ Signature	_____ Full Name
_____ DD.MM.YYYY	

8. Warranty obligations

The manufacturer guarantees trouble-free operation of the equipment during 12 months from the date of receiving the equipment by dealer (in accordance with transport documentation); or, in case of purchase directly through Trapeza LLC, from the purchase date, given that terms of using, transportation and storage are met.

The warranty repair is performed upon presentation of this manual and filled warranty card with the seller's seal and the date of sale.

Technical specifications of the equipment can be changed by manufacturer at any time due to improvements and/or other reasons. Technical specifications stated in this document are intended to act as a reference point, which is necessary to evaluate suitability of the equipment for the customer's needs, and are not the subject of warranty policy.

The information stated in this document has been thoroughly checked and considered as accurate one; nevertheless, the manufacturer is not responsible for any typographical errors or misprints.

Due to constant improvement of the equipment, technical specifications are subject to change without prior notice!

9. Manufacturer details

NPO Tvertorgmash LLC

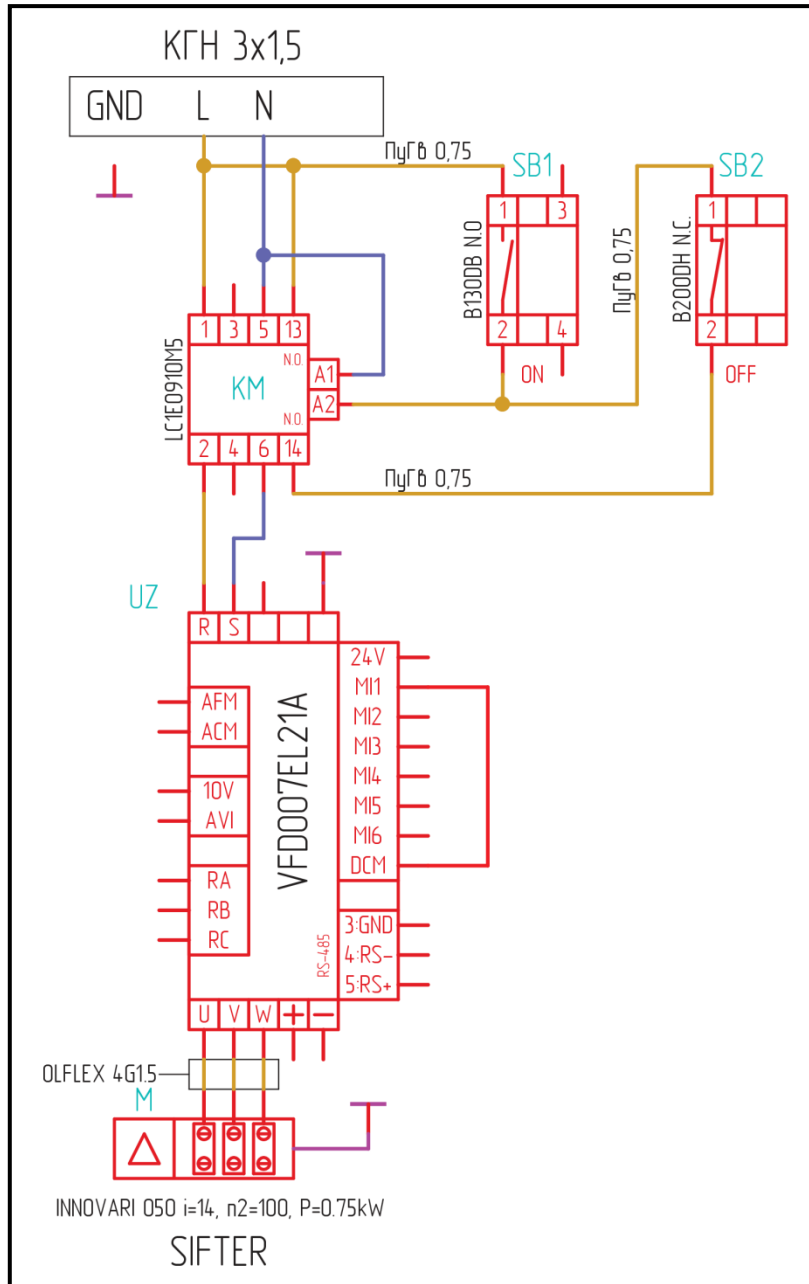
11 Industrial Street, Tver, 170000 Russia

Technical support:

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Annex A. Wiring diagram



Annex B. Parts list

#	DESIGNATION	MODEL	ORDER #
KM	Contactora 9 A 230 Vac	LC1E0910M	13450
M	AC motor 0.75 kW	16280	16280
SB1	Push button non-locking white NO	B130DB	1918
SB2	Push button non-locking black NC	B200DH	2393
UZ	Voltage Frequency Drive	VFD007EL21A	12648
	Shielded VFD cable 4G1.5, 1.2 m	4G1.5	17728
	Power cord 3x1.5, 4 m	3x1.5 oil resistant/flame retardant	20741