

# AUTOMATIC BREAD SLICERS

## S4A-S5A-S4AB-S5AB-S4AV-S5AV

**S4A-S5A**



**S4AB-S5AB**



**S4AV-S5AV**



## OPERATING MANUAL

*First of using the machine, read the instructions of this manual in order to ensure your safety and for the knowledge in the use of the machine. For any information about the instructions manual please contact the MANUFACTURING FIRM specifying the model and the serial number of this machine*

### **INDEX**

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## SYMBOLS USED IN THIS MANUAL



This symbol indicates the possibility of injury or damage



Operations that have to be made only by authorized operators



Operations that must be made by the persons using the machine, they do not require specific qualifications.

### PLATES

Data machine

voltage to earth

Signboards signalling danger against specific operations

<b>CE</b>	
MODELLO / Model	
ANNO COSTRUZIONE / Year	
MATRICOLA / Serial Number	
PESO / Weight	
VOLTAGGIO / Voltage	
POTENZA / Power	
AMPERE / Ampere	
<b>Made in Italy</b>	



## WARNING

- 1** Do not operate under the effect of alcohol, medicines or drugs which could alter your Physical conditions.
- 2** Keep hair and other parts of the body far from rotating parts such as belts and gears.
- 3** Keep the signboards signalling danger, as well as the ones containing safety data, clean and in order.



## **WARRANTY**

*The Manufacturing company guarantees the machine for six months from the delivery date.*

*The warranty covers only the replacement of defective parts. Electric parts and motors are excluded from the warranty. The service request is a customer's cost*

Serial nr.		Purchase	
Name of the buyer		Address	
Production Date		Assembled by	

Name and address of  
Manufacturer

Agent

SAT

## **PROPER and INCORRECT USE**

*To operate with this machine, you must have the normal preparation of a baker*

*The machine has to be used by only one competent operator and has not to be settled in places accessible to everybody. It is forbidden to employ the machine for any other use differing from baking products for bread and pastries.*

## **NOISE LEVEL**

*The average noise level near the working place is less than 70 decibel.*

## **RESIDUAL RISKS**

*The machine has been manufactured in conformity with the safety regulations of CEI rules. Using the machine in situations and ways differing from those foreseen by the manufacturing may cause unpredictable risks. It is forbidden to alter mechanic or electric devices and parts, to change the internal and external structure of the machine, and to loosen or unscrew bolts and screws*



**When the machine is working, all the covers, crankcase, shelters and safety protections have to be duly fixed to the structures and have to be in working order**

## **TECHNICAL DATA**

### **S4A-S4AB-S4AV**

### **S5A-S5AB-S5AV**

Thickness of slices	7-9-10-12-13-14-15-16-18	9-10-12-13-14-15-16-18
Passage for loaf length	420 mm	520 mm
Production per hour	200/250 loaves	200/250 loaves
Passage for loaf height	60-165 mm	60-165 mm
Motor power	kw 0,75	kw 0,75
Weight	110-140-146	111-141-147

## **CONFORMITY TO THE REGULATIONS**

The electric system is in conformity with the EN 60204-1 rules. The materials which are brought into contact with the dough are in conformity with the FDA rules. The machine has been realized in conformity with the Directive Machines 2006/42/EC; 2004/108/EC; 2006/95/EEC; 93/43/EEC (Limited than as described in chapter V, paragraph A annex); Regulation EC 1935/2004. Technical standards applied: EN292-EN60204.1 – EN294- EN 419

## **SAFETY DEVICES**

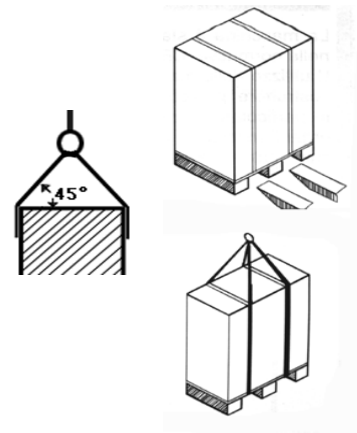
One emergency-stop red push-button with a yellow ring is within easy reach from the working position.

## **LIFTING AND MOVING**



The machine must be lifted only by authorized operators

For the transport the machine is delivered packed in a wood crate or in a cardboard filled with a pallet and it can be lifted by means of a forklift by inserting the forks in the spaces placed under the crate or with a crane by inserting ropes or bands under the crate. In this case the tension max. angle of the ropes, which is 45°, has to be respected. Once unpacked, the machine can be lifted with a crane



## **ACCEPTANCE**

The packed machine can be stored under cover for six months. Unpack the machine and notify the forwarder for eventual damages. The eventual damages have to be notified to the Manufacturing firm immediately.

## **ELECTRIC CONNECTIONS**



The electric connections have to be made by authorized operators

The electric line voltage must be the same voltage indicated on the data plate placed on the back of the machine. The electric feeding is realised through a capacity selector proper to the power request of the machine with a four contact three phases plug (three phases + earth)

**The connections must be executed in conformity with the regulations in force in the country.**

## **DESCRIPTION OF THE MACHINE**

The Slicers can cut till 250 loaves per hour. Its are provided with a drawer for collecting the crumbs which allows quick and easy cleaning. The motor is protected against powder. All parts which are brought into contact with the bread are in stainless steel. The blades can be in stainless steel or carbon steel for hard crust bread. The cut is realized by means of double frame of blades with an axial alternating movement.

## **FIRST STARTING AND TESTING**



The following operations have to be performed by the persons authorized to the electric connections

- 1) Check that the machine voltage corresponds to the line voltage of the laboratory then connect the plug to the electric supply mains. **Once the machine has been connected the display will be switch on**

### **2) CONTROL BUTTONS**

START PUSH BUTTON

**START**

STOP PUSH BUTTON

**STOP**

BUTTON

**MODE**

BUTTONS for up and down in the internal  
dates of MODE — +

EMERGENCY PUSH BUTTON

**1**



*In every moment it is possible to stop the machine by pressing the Stop-emergency button 1  
To start it again, it is necessary to press **START***

## **CORRECT USE**

The machine has been manufactured for the cutting of typical products of bakery and pastry according to the modalities and the quantities established by the manufacturer in the technical data. Here there are the operational components:

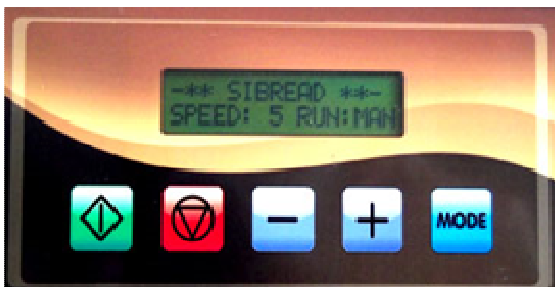
**WORKING TABLE** in stainless steel inox and in different forms

**CRUMBS tray** collect the crumbs produced during the working

**KNIVES** they are at double frame with axial alternating movement

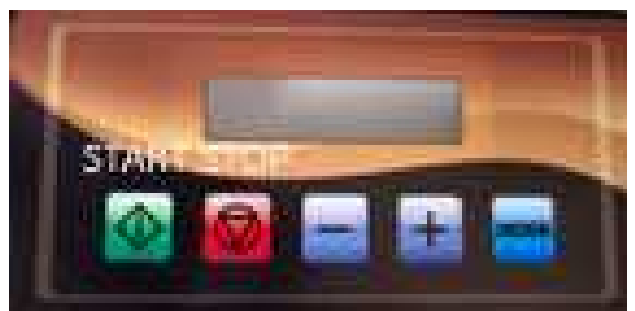
**For working follow the here described operations:**

When you connect the machine on the display appears the following main screen



### **MANUAL CYCLE**

to start work with factory data, press the Start button. To modify press **MODE** for 5 seconds



### **Will appear the following screen**

With touches – e + change the seconds pause between the two arrows

**MODE** button pressed lightly and steps from **INTERVAL** in **CYCLES**

With touches – e + change the cycles between the two arrows, that is, the number of pieces you want to produce. Factory default 250 pieces, which must be reset in the desired quantity

The data is saved by pressing for 5 seconds the touch **MODE**

to exit without saving the data, press **STOP**

Press **START** to begin the work

### **AUTOMATIC CYCLE**

Press lightly the touch **MODE** and will appear the following screen

With touches – e + change the speed

Pressing **START** to begin the work

To modify the data press **MODE** for 5 seconds

And will appear the following screen

With touches – e + change the seconds pause between the two arrows

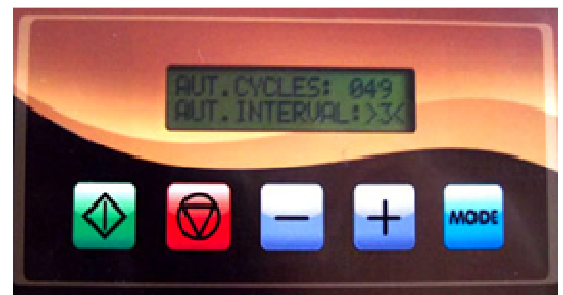
**MODE** button pressed lightly and steps from **INTERVAL** in **CYCLES**

With touches – e + change the cycles between the arrows, that is, the number of pieces you want to produce. Factory default 250 pieces, which must be reset in the desired quantity

The data is saved by pressing for 5 seconds the touch **MODE**

To exit without saving the data, press **STOP**

Press **START** to begin the work





## **CLEANING**



*Cleaning should be done only with the machine switched off  
The crumbs inside the slicer must not be removed when the machine is switched on. Don't use jet of water or other products, use a puff of air.*

## **MAINTENANCE**



*During the maintenance operations the machine has not to be connected to the electric line.  
The replacement of parts, the mending of damages to the electric system etc. have to be executed by the specialised personal. **If the machine is in warranty period, inform the Manufacturing firm***



## **BELT STRETCH**

*the belt tension is achieved by means of the displacement of the fixing screws of the motor by tightening the screws in a clockwise.*

## **REPLACEMENT OF THE BLADES**

*Unscrew the nut with the key, then unscrew the dowel and the blades go out..  
Remove the blade. To assemble, insert the blade from the bottom with the pin.  
with the grain pull the hooks to the proper blade tension. Screw the nut  
Every 25.000 cuts replace the blades*



## **DEFECT AND SOLUTIONS**

<i>The machine does not start to working</i>	<i>Micro switch is in off</i>	<i>Check the micro switch</i>
<i>The machine does not start to working</i>	<i>The emergency button is connected</i>	<i>Turn it as indicated from the arrow of the emergency button</i>
<i>The machine doesn't start</i>	<i>Thermic motor</i>	<i>Wait for the cooling</i>
<i>the bread vibrates between the knives</i>	<i>Check spring press bread</i>	<i>To substitute the spring</i>
<i>cutting bread slowly</i>	<i>Knives blunt</i>	<i>Change the knives</i>
<i>thickness slices not regular</i>	<i>the knives are not taut</i>	<i>To tend knives</i>

## **SCRAPING OF THE MACHINE**

*The structure of the machine is made of plate enamelled with powder enamel or with two-components epoxide enamel. The protections, the working plan, the pressing device, the bread pusher and the knives are made of stainless steel AISI 304. The belts are made of rubber. The electric parts are made of plastic material. For scraping, disassembled the machine into its parts of different material which have to be delivered, together with the hydraulic oil and the lubrication grease, to the competent elimination service.*

## **ATTACHMENT** Electrical system