



INSTRUCCIONS MANUAL

AUTOMATIC SLICER

MODEL

CFAS



METALÚRGICA SIEMSEN LTDA.

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- ALÉM DESTAS MÁQUINAS, FABRICAMOS UMA LINHA COMPLETA DE EQUIPAMENTOS. CONSULTE SEU REVENDEDOR.
- ESTE PRODUTO CONTA COM ASSISTÊNCIA TÉCNICA, REPRESENTANTES E REVENDEDORES EM TODO TERRITÓRIO NACIONAL.
DEVIDO À CONSTANTE EVOLUÇÃO DOS NOSSOS PRODUTOS, AS INFORMAÇÕES AQUI CONTIDAS PODEM SER MODIFICADAS SEM AVISO PRÉVIO.

22831.1 - Maio/2009

*** * IMPORTANT * ***

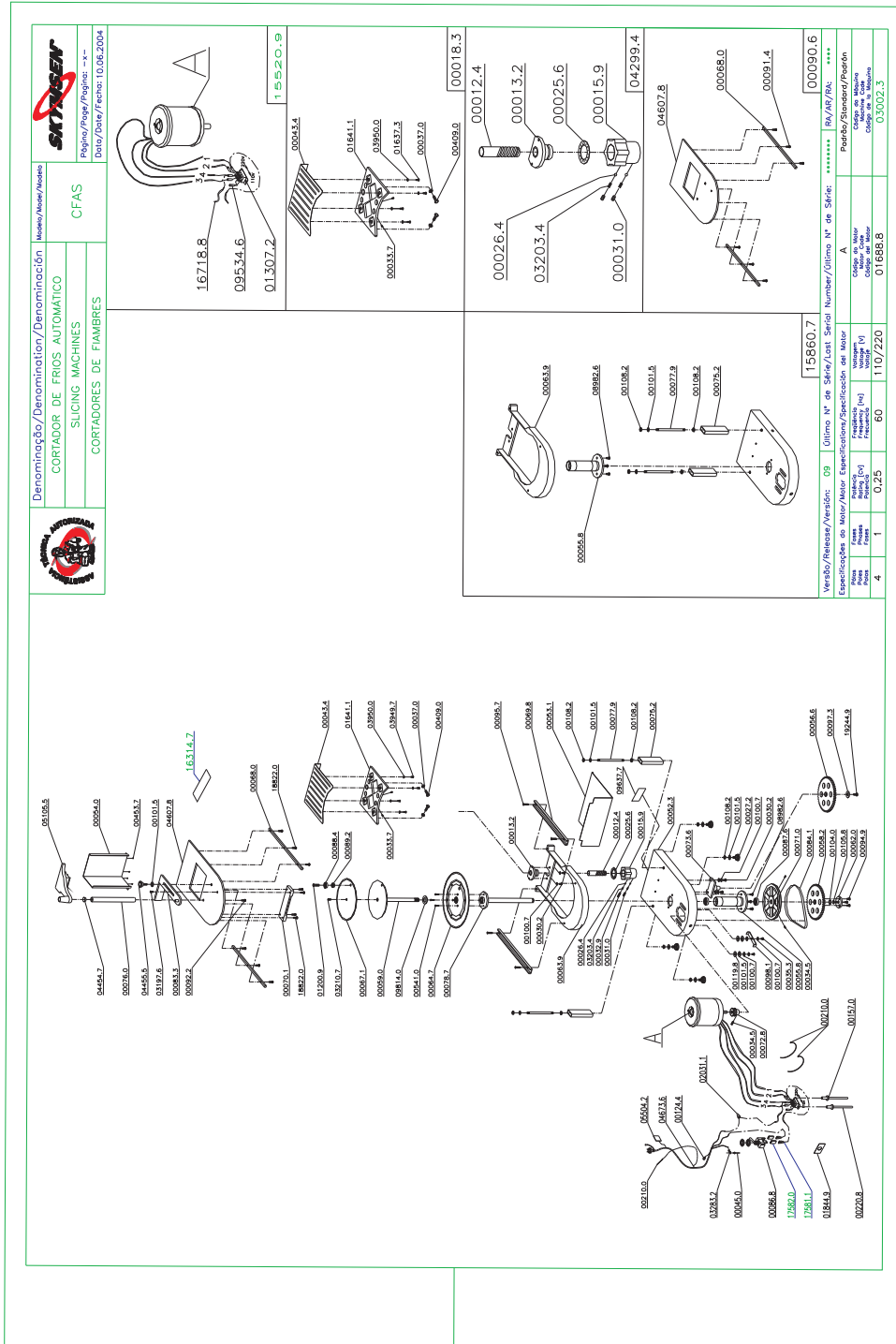
**BEFORE TO UNPACK THE MACHINE , PLEASE READ
CAREFULLY , THESE INSTRUCTIONS**

**DO NOT HOLD THE FASTENER ROD , WHEN WITHDRAWING
THE SLICER MOVABLE TABLE .**



**NOT OBEYING THE ABOVE RECOMMENDATION MAY PUT OUT
OF ALIGNMENT THE FASTENER ROD, AND THEREFORE
CAUSE SERIOUS DAMAGE TO THE KNIFE DISC ,
WHEN IT STRIKES THE FASTENER TEETH**

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1. Introduction

1.1 Safety

The Automatic Slicer Model CFAS is a simple machine to operate and easy to clean, however, for your safety and to avoid accidents, read the below instructions:

1.1.1 Read carefully the Operation Instructions , before to start the machine.

1.1.2 To help to operate the machine never use tools not belonging to it.

1.1.3 Electric cables or wires having a damaged insulation may produce electric shocks . Check them before use .

1.1.4 A manual command (button, key, electric switch, lever, etc.) shall only be used after to be sure it is the right one .

1.1.5 The electric cord shall have a section sufficient to support the power rating of the machine motor .

1.1.6 Oil reservoirs shall be completely fulfilled , up to the indicated level. Fill them if necessary .

1.1.7 When checking the belts or chains tension , **NEVER PUT YOUR FINGERS BETWEEN THE BELT AND THE PULLEYS NOR THE CHAINS AND THE GEARS.**

1.2 Operating Instructions

1.2.1 Read carefully the item 1.3 Technical Characteristics , Table 01.

1.2.2 Check the voltages . Electric supply and machine voltages shall be the same .

1.2.3 Place the product in the vertical position inside the PROTECTION ANGLE PLATE Pict. 02 (No.01) and press the product using the VERTICAL FASTENER Pict.02 (No.09). Push then the HORIZONTAL FASTENER Pict.02 (No.08) until a 3 to 5 mm distance to the product , assuring its vertical position but at the same time allowing it to lower by gravity .

1.2.4 Then , the machine will be ready to be operate. Move ON the ELECTRIC SWITCH Pict. 02 (No.02) .

ATTENTION

It is normal to have residue during the slicing process.

7. Spare parts Model CFAS

CODIGO	DESCRICAO DO COMPONENTE	UM	CODIGO	DESCRICAO DO COMPONENTE	UM
00030.2	PFS SEX UNC1/4"x3/4" RTZB	CE	00104.0	ARRUELA ENCOSTO LISA 3/4	PC
00031.0	PFS ASC UNC5/16"x5/16" F	CE	00105.8	ANEL 20x1,2 DIN 471	CE
00032.9	PFS ASC UNC5/16"x3/8" F	CE	00108.2	PCA SEX UNC 3/8" ZB	CE
00033.7	PFS ASC UNC1/4"x1/4" F	CE	00119.8	ARR L 5/16" ZB	CE
00034.5	PFS ASC UNC1/4"x3/8" F	CE	00124.4	PASSADOR FIO MOLDE 092223	PC
00035.3	PFS SEX UNC1/4"x1" RTZB	CE	00157.0	REBITE PRESSAO AD-450-S	MI
00037.0	PCA SEX UNC 1/4" ZB	CE	00210.0	ABRACADEIRA K22 (T-50R)	CE
00043.4	REVEST.MESA REG.CORTE	PC	00220.8	REBITE PRESSAO AD-440-S	MI
00045.0	REBITE PRESSAO AD-423-S	MI	00221.6	MOTOR 0,25CV 60Hz	PC
00052.3	BASE CFAS	PC	00409.0	PFS SEX UNC1/4"x1.1/4 RTZB	CE
00053.1	REVESTIMENTO DA BASE CFAS	PC	00453.7	PFS B.4,2x9,5 DIN 7971 ZB	CE
00054.0	CANTONEIRA PROTECAO CFAS	PC	00541.0	PFS FCH UNC3/16"x1/2 RTZB	CE
00055.8	MANCAL CENTRAL CFAS/FF	PC	01044.8	PFS SEX UNC5/16"x5/8 RTZB	CE
00056.6	ENGR.INTER.Z-64/Z-22	PC	01200.9	PAR.FIXAD.ROLAM. CFAS	PC
00058.2	ENGRENAGEM CENTRAL- CFAS	PC	01641.1	BASE MESA REG.CORTE-CFA/M	PC
00059.0	DISCO DE ARRASTE - CFAS	PC	01688.8	MOTOR PINTADO CFAS 60Hz	PC
00062.0	FLANGE DO ACOPLAM.-CFAS	PC	01844.9	ETIQ.ON/OFF P/CH.ALAV.MET	DE
00063.9	CARCACA - CFAS	PC	02031.1	CAPINHA DE NYLON CN-4472	MI
00064.7	DISCO FATIADOR - CFAS	PC	02949.1	TERM. PRE-ISOL.NA-4503	MI
00067.1	DISCO DE ACABAMENTO-CFAS	PC	03197.6	PFS M6x10 DIN 84 ZB	CE
00068.0	GUIA DA MESA MOVEL- CFAS	PC	03203.4	BORR.PROT.DA ESF.CFAS/MS	PC
00069.8	CANAleta DA MESA - CFAS	PC	03210.7	PFS FCH UNC1/4"x1/2" RTZB	CE
00070.1	CANAleta TRANSVERSAL-CFAS	PC	03283.2	TERM. PRE-ISOL.AN-2434	MI
00071.0	POLIA MOVIDA - CFAS	PC	03949.7	PFS M5x10 DIN 84 ZB	CE
00072.8	POLIA MOTORA - CFAS	PC	03950.0	ARR.L.A6,4 DIN 125 ZB	CE
00073.6	MANCAL INTERMEDIARIO	PC	04299.4	CONJUN.MANIP.MANC.CFAS/MS	PC
00075.2	SEPARADOR - CFAS	PC	04454.7	PONTEIRA PLAS.INT.1" LISA	PC
00076.0	HASTE PREND.VERTICAL CFAS	PC	04455.5	MANIPULO C/HASTE 3/8"x20	PC
00077.9	HASTE SEP.3/8"x235mm ZB	PC	04673.6	CB.3x0,75mm2C/PG90§2PR1FT	PC
00078.7	MANCAL DISCO FATIAD.CFAS	PC	05105.5	PRENDEDOR VERTICAL COMPL.	PC
00083.3	PRENDEDOR HORIZONTAL-CFAS	PC	05504.2	ETIQUETA ATENCAO	CE
00084.1	CORREIA Z 700	PC	08982.6	PFS SEX UNC5/16"x1/2 RTZB	CE
00086.8	CHAVE EL.14123 A1B1E3Q	PC	09637.7	ETIQ.IDENTIF.MOTOR/RESIST	PC
00087.6	ROLAMENTO 6004 Z DIN 625	PC	09814.0	ARRUELA DISTANCIADORA	PC
00088.4	ROLAMENTO 6000 DDU	PC	10241.5	CHAVE SELETORA 10A S/ADES	PC
00089.2	DISTANCIADOR ROLAMENTO	PC	10929.0	ADES.CHAVE 10A 60Hz-B SKY	PC
00090.6	MESA MOVEL C/GUIAS- CFAS	PC	12681.0	PFS LEN UNC3/16"x3/8 RTZB	CE
00091.4	PFS ACC UNC1/4"x7/8" RTF	CE	15859.3	BASE CFAS 60HZ	PC
00092.2	PFS ACC UNC3/8"x1" RTF	CE	15860.7	CONJ.CARC./BASE CFAS 60HZ	PC
00094.9	PFS SEX UNC5/16"x1.1/4RTZB	CE	16314.7	ETIQ.POSICIONAMENTO CALHA	CE
00095.7	PFS FCH UNC1/4"x3/4" RTZB	CE	17581.1	TERM.POSITIV LOCK 0,5A1,5	MI
00097.3	ARR. BALANC.8x30x2mm	CE	17582.0	CAPA P/TERMINAL FEMEA	MI
00098.1	PRENDEDOR FIO ELETRICO	PC	18822.0	PFS ACC UNC1/4"x5/8" RTF	CE
00100.7	ARR L 1/4"x1,6 ZB	CE	19244.9	PFS SEX UNC5/16"x5/8RE RTZ	CE
00101.5	ARR L 3/8" ZB	CE			

If such problem occurs with your mixer refer to Table 02 in which the most common situations are listed with recommended solutions.

Table 02

Problems	Causes	Solutions
Burning odor and /or smoke.	Motor or other electric parts problems.	Call Technical Assistance.
Machine starts but the knife disc takes time to turn.	Belts not fastened enough.	Call Technical Assistance.
	Starting Capacitor failed.	Call Technical Assistance.
Crushing the product,	Belts not fastened enough.	Call Technical Assistance.
Unusual noises.	Damaged bearing.	Call Technical Assistance.
Knife disc stops during operation.	Lack of power.	Check if plug is connected to the electric source.
	Belts not fastened enough.	Call Technical Assistance.
	Bad contacts in internal or external electric parts.	Call Technical Assistance.

1.2.5 The slice thickness is obtained using the THICKNESS REGULATOR Pict. 02 (No.10) . Turning it clockwise the REGULATOR TABLE Pict02 (No.07) will lower until to reach the desired thickness .

1.2.6 To maintain the machine PERFECTLY ON SHAPE , it should be cleaned at the end of each working day , cleaning it with a dry or lightly wet cloth .

1.2.7 Lift the MOVABLE TABLE Pict. 02(No.06) to allow the access to all the machine parts in contact with the product , and therefore allow to perfectly clean them .

1.2.8 Following , lift completely the DRIVING DISC Pict. 03 (No.01) using the DRIVING BEARING Pict.03 (No.04) , to improve the residues withdraw, and to totally clean the machine . Then place it back , caring to insert it correctly on the COUPLING FLANGE (exploded drawing – 000620) .

1.2.9 Keep always perfectly lubricate the MOVABLE TABLE GUIDES Pict. 02 (No.04) . Use liquid vaseline , or margarine without salt . Never use cooking oil .

1.2.10 After each 10 working hours , it is recommended to let some lubricating oil drops fall on the SHAFT/SUPPORT DISC . Unscrew the OIL SCREW Pict.03 (No.02) in the KNIFE DISC Pict. 03 (No.03) middle , observing the level indicator sign .

1.2.11 To reassemble the machine, place the MOVABLE TABLE Pict.02 (No.06) , providing to perfectly insert the TABLE GUIDES Pict.04 (No.01) inside the MOVABLE TABLE GUIDES Pict. 02 (No. 04) , and ensuring the DRIVING BEARING Pict.03 (No.04) do also perfectly insert itself on the TRANSVERSAL GUIDE Pict.04 (No.02) , attached to the MOVABLE TABLE Pict. 02 (No.06) .

1.2.12 NEVER clean , lubricate ,or service the machine when it is in movement . If the case may be , UNPLUG IT .

1.2.13 Operation instructions: to reach your Automatic Slicer best performance follow the below advices, to place correctly the product to be worked :

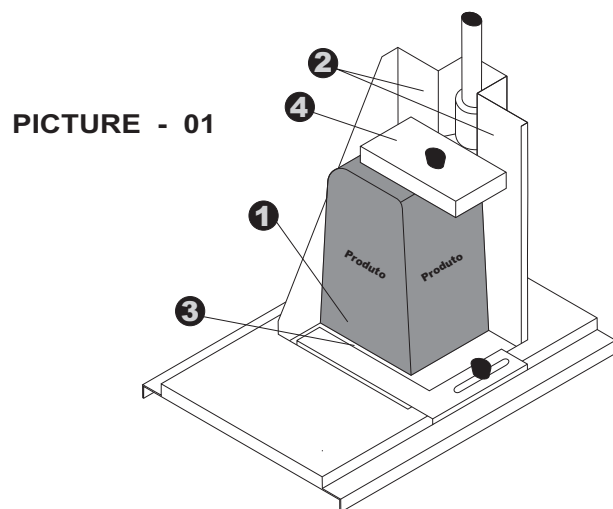
- Always place the product widest extremity Pict. 01 (No.01) low side .
- Select the two faces more parallel, and place one facing the Horizontal Fastener Pict. 01 No.03) , and the other facing the Protection Angle Plate Pict. 01 (No.02)
- Approach the Horizontal Fastener Pict. 01 (No.03) to the product , however avoiding to touch it . Leave a minimum space to allow the product to descend freely .

IMPORTANT : sometimes when the product has a rough surface, such distance may change , then it would be necessary to adjust the Horizontal Fastener Pict. 01 (No.03).

- Without to press the product against the Protection Angle Plate Pict. 01 (No.02) press the Vertical Fastener Pict.01 (No. 04) on the product.

- Select the desired slices thickness, turning the Thickness Regulator Pict.02 (No.02).

IMPORTANT : Be assured that the Movable Table Pict 02 (No.06) is perfectly inserted on the Movable Table Guides Pict. 02 (No.04)



1.3 Technical Characteristics

Table - 01

Characteristics	Unit	CFAS
Frequency (*)	[Hz]	50 ou 60 (*)
Power Rating	[HP]	1/4
Consumption	[kW/h]	0,18
Voltage	[V]	110/220
Kinfe Disc Diameter	[mm]	260
Maximum Slice Thickness	[mm]	15
Production	[kg/h]	Variável
Dimensions HxWxD	[mm]	850x534x305
Weight net/gross	[kg]	48,5/50,5
Cutting Size	[mm]	125x155
Slices per minute	[S/min]	46

(*) Frequency will be one only , the frequency of the machine motor .

When checking tensions of belts or chain DO NOT introduce your fingers between belts and pulleys , nor between the chains and gears.

Check protections and safety devices to make sure they are working properly.

5.4 Operation

5.4.1 Advices

Be sure your hair is not loose in order to avoid getting caught by turning parts which could lead to a serious accident. Tie your hair up well and/or cover your head with a scarf.

The operation performed by not trained or skilled personnel shall be forbidden.

Never touch turning parts with your hands or in any other way.

NEVER operate machine without all original safety devices under perfect conditions.

5.5 After Finishing The Work

5.5.1 Precautions

Always TURN THE MACHINE OFF by removing the plug from the socket before cleaning the machine. Never clean the machine unless it has come to a complete stop. Put all components back to their functional positions before turning it ON again. Check level of oil, if any . DO NOT place your fingers in between belts and pulleys nor chains and gears.

5.6 Maintenance

5.6.1 Danger

Any maintenance with the machine in working situation is dangerous. TURN IT OFF BY PULLING THE PLUG OFF THE SOCKET DURING MAINTENANCE.

IMPORTANT

Pull the plug off its socket when any emergency arises .

5.6.2 Advice

Electrical or mechanical maintenance has to be undertaken by qualified personal. Person in charge has to be sure that the machine is under TOTAL SAFETY conditions when working .

6. Analysis and Problems Solving

6.1 Problem, causes and solutions

The Automatic Slicers Model CFAS were designed to operate with the need of minimum maintenance but the natural wearing caused by long use of the equipment may occasionally cause some malfunctions.

Avoid penetration of water, dirt or dust into mechanical or electrical components of the machine.

DO NOT MODIFY original characteristics of the machine.

DO NOT REMOVE, TEAR OFF OR MACULATE any safety or identification labels . If any labels has been removed or is no longer legible contact your nearest dealer for replacement.

5.2 Safety Procedures and Notes Before Switching Machine ON

IMPORTANT

Carefully read ALL INSTRUCTIONS of this manual before turning the machine ON. Be sure to be familiar with the set and that you have well understood all information contained in this manual. If you have any question contact your supervisor or your nearest Dealer.

5.2.1 Danger

An electric cable or electric wire with damaged insulation could cause electrical shocks as well as electrical leak. Before use check conditions of all wires and cables.

5.2.2 Advices

Be sure ALL INSTRUCTIONS in this manual have been thoroughly understood. Every function and operational procedure have to be very clear to the operator.

Any manual command (switch, button or lever) shall be given only after to be sure it is the correct one .

5.2.3 Precautions

The electric cable has to be compatible with the power required by the machine.

Cables touching the floor or close to the machine need to be protected against short circuits.

Oil reservoirs if any have to be full up to the required level as indicated. Check level and add oil if necessary.

5.3 Routine Inspection

5.3.1 Advice

When checking the tension of the belts or chains, DO NOT introduce your fingers between the belts , the chains, nor the gears.

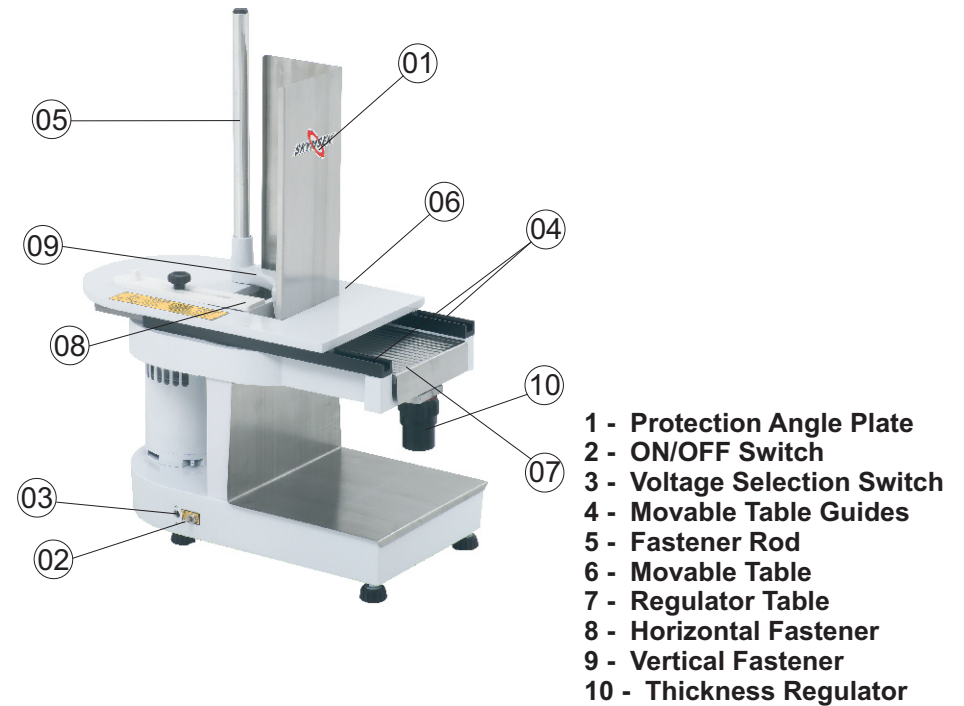
5.3.2 Precautions

Check if motors, belts, chains or gears and the turning or sliding parts of the machine produce abnormal noises .

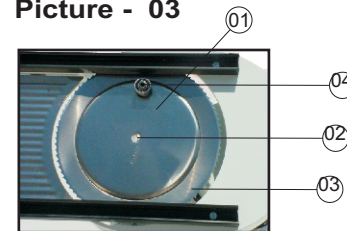
Check the tension of the belts and chains and replace the set when belt, chain or gears show signs of being worn out.

2. Main Components

Picture - 02

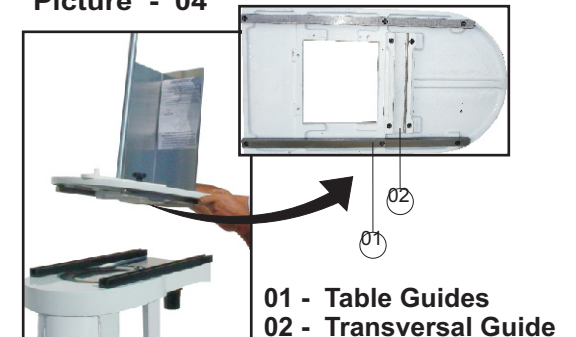


Picture - 03



- 01 - Driving DISC
- 02 - Oil Screw
- 03 - Knife Disc
- 04 - Driving Bearing

Picture - 04



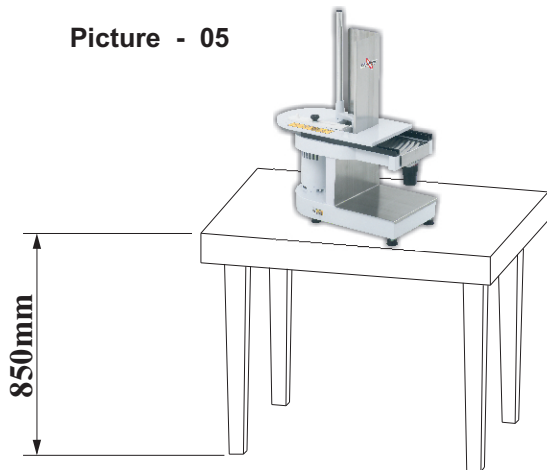
3. Installation and Pre Operation

3.1 Installation

The Automatic Slicer Model CFAS , has non-skid feet, and shall be installed on a firm and flat surface , preferably 850 mm above floor .

The electric cord has a plug with two round pins and a grounding wire . It is mandatory the three to be securely connected before to start operation , Before to switch ON the equipment check its voltage , it has to be the same as the electric supply voltage . If it is not the same adjust it using the Voltage Selection Switch Pict. 02 (No.03) .

Picture - 05



3.2 Pre Operation

The Automatic Slicer shall be firm in its position , check it . Before to start operation , all the removable parts shall be withdrawn and washed.

4. Operation

4.1 Starting

To start the machine, switch ON the electric switch Pict. 02 (No.02) placed on the machine base left side .

4.2 Cleaning

IMPORTANT

**Never clean the machine when it is connected to the electric supply.
To clean unplug it .**

All the movable parts of the machine shall be removed and cleaned .

For a perfect cleaning remove the MOVABLE TABLE Pict.02 (No06), lifting it by means of its extremities , and such obtaining access to every and all parts having contact with the product .

Then , lift completely the DRIVING DISC Pict. 03 (No.01) using the DRIVING BEARING Pict.03 (No.04) , to improve the residues withdraw, and to totally clean the machine . Then place it back , caring to insert it correctly on the COUPLING FLANGE (exploded drawing – 000620) .

5. General Safety Practices

The following safety instructions are addressed to both the operator of the machine as well as the person in charge of maintenance. The machine has to be delivered only in perfect conditions of use by the Distributor to the user. The user shall operate the machine only after being well acquainted with the safety procedures described in the present manual. READ THIS MANUAL WITH ATTENTION.

5.1 Basic Operation Practices

5.1.1 Dangerous parts

Some areas of the electric device have parts that are connected or have parts connected to high voltage. These parts when touched may cause severe electrical shocks or even be fatal.

Never touch manual commands such as switches, buttons, keys and knobs with your hands wearing wet clothes and/or wet shoes. By not following these instructions operator could be exposed to severe electrical shocks or even to a fatal situation.

5.1.2 Warnings

The operator has to be well familiar with the position of ON/OFF Switch to make sure the Switch is easy to be used when necessary. Before any kind of maintenance, physically remove the plug from its socket .

Provide space for a comfortable operation thus avoiding accidents.

Water or oil spilled on the floor will turn it slippery and dangerous. Make sure the floor is clean and dry.

Before to give any manual command (switch, buttons, turn keys or lever) be sure the command is the correct one . Check this manual for further details if necessary.

Never use a manual command (switch , buttons , lever) unadvisedly.

If any work is to be made by two or more persons, coordination signs will have to be given for each operation step . Every step of the operation shall be taken only if a sign has been made and responded.

5.1.3 Advices

In case of power shortage, immediately turn the machine OFF.

Use recommended or equivalent lubricants, oils or greases .

Avoid mechanical shocks as they may cause failures malfunction.