



STAINLESS BONE SAW

MODEL

SFL-282HD

INSTRUCTION MANUAL

691825 - ENGLISH
Data de Revisão: 21/01/2025
Metalúrgica Skymen Ltda.
Rodovia Ivo Silveira 9525
Volta Grande
88355-202 Brusque/SC/Brasil
www.skymen.com - Fone: +55 47 3211 6000
CNPJ: 82.983.032/0001-19 - IE 250.064.537

SUMMARY

1. INTRODUCTION	2
1.1 Safety	2
2. MAIN COMPONENTS AND TECHNICAL FEATURES.....	2
3. INSTALLATION AND PRE-OPERATION	3
3.1 Placing	3
3.2 Electrical Installation.....	3
3.2 Pre-Operation	3
4. OPERATION.....	3
4.1 Starting	3
4.2 Operation Procedures	3
5. CLEANING	4
6. MAINTENANCE	5
7. PROBLEM SOLUTIONS.....	5
8. ELECTRICAL DIAGRAMS.....	6

1. INTRODUCTION

This equipment has been developed for commercial operation, it is used for instance in restaurants, fast foods, hospitals, bakeries, butchers and similar.

It is not recommended to use it:

- For continuous industrial production
- A working ambient having a corrosive or explosive atmosphere, or contaminated with water vapour, dust or gas.

1.1 Safety

The instructions below must be followed to avoid accidents, non-compliance can cause serious injuries:

- 1.1.1** Never use this Equipment with wet clothes or wet feet or on a wet or humid surface, do not immerse it under water, do not place under any kind of water flow, hose, tap or similar, do not use water jets of any kind on the equipment.
- 1.1.2** If the Equipment physically falls down, in any way, suffers any kind of damage or has stopped working for any reason, it is necessary to call specialized technical assistance.
- 1.1.3** The use of unauthorized accessories that are not recommended by the manufacturer can lead to injuries.
- 1.1.4** Keep hands or any kind of devices, tools, accessories away from the moving parts of the Equipment while it is turning on and processing recipes to avoid potential damages to the Equipment and injuries to the end user.
- 1.1.5** Never operate the Equipment while wearing clothes with long sleeves, especially on the wrists.

1.1.6 Make sure that the voltage of Equipment and of the local electrical supply match. Also make sure that the equipment is properly grounded.

1.1.7 Never adjust the Blade Guide nor the Thickness Guide with the machine running.

⚠ This equipment must not be used by children or any persons with reduced physical or mental aptness, lack of experience or knowledge, unless they are under supervision or have received from the person responsible for safety, proper instructions on how to use the equipment.

⚠ Children shall be watched in order to avoid them to play with the equipment.

⚠ Unplug the equipment when: It is not in use, before to clean it, before to remove or to place some accessory. before maintenance or any other service.

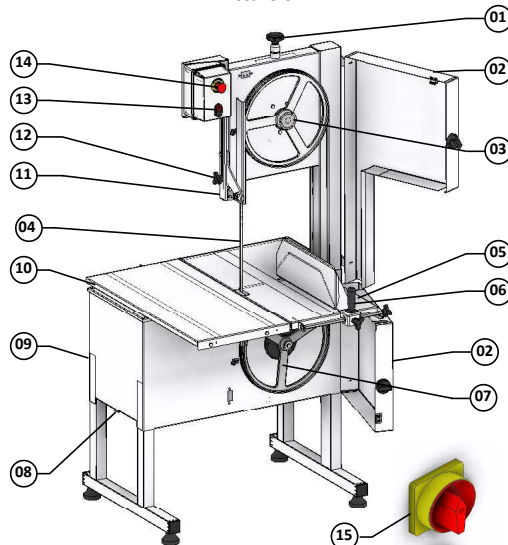
⚠ Make sure the cord is in perfect conditions for use. If it is not, change it for a new one in accordance with the technical specifications and safety rules. The substitution shall be made by a qualified professional, and shall respect the local safety norms.

⚠ In case of emergency take off the plug from its socket.

⚠ Never spray water directly on to the equipment.

2. MAIN COMPONENTS AND TECHNICAL FEATURES

Picture 01

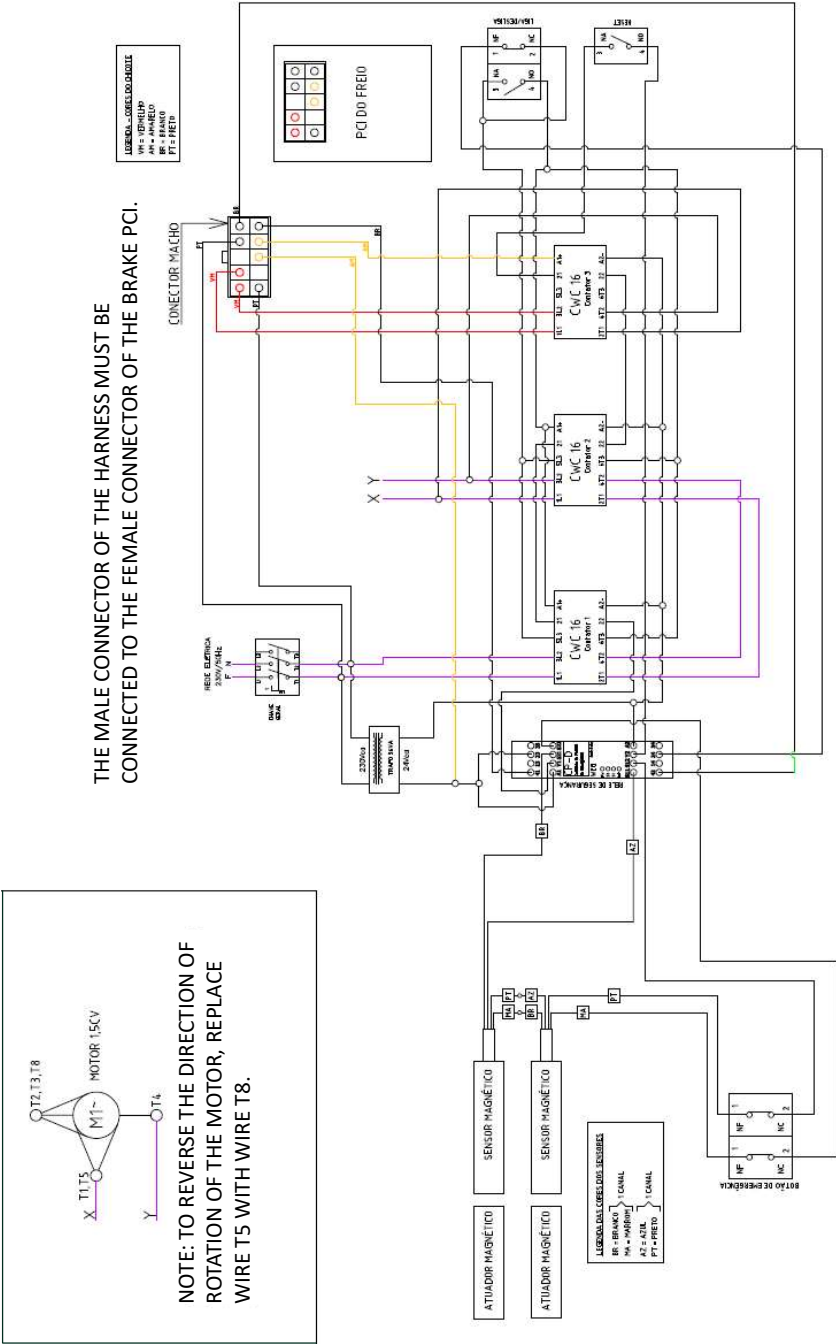


- 01 – Blade Tension Regulator Handle
- 02 – Doors
- 03 – Upper Wheel
- 04 – Blade
- 05 – Fixed Table
- 06 – Thickness Guide
- 07 – Lower Wheel
- 08 – Engine Regulation
- 09 – Motor Housing

- 10 – Movable Table
- 11 – Blade Guide
- 12 – Handle
- 13 – ON/OFF Switch
- 14 – Emergency button
- 15 – Main Switch

8. ELECTRICAL DIAGRAMS

SFL-282 230V 50 Hz



FEATURES	UNIT	SFL-282HD
Voltage	V	230
Frequency	Hz	50
Power Rating	CV	2
Height	mm	1900
Width	mm	900
Depth	mm	980
Net Weight	kg	129
Gross Weight	kg	178
Maximum Cutting Height	mm	350
Maximum Cutting Width	mm	330

3.INSTALLATION AND PRE-OPERATION

- 3.1 Placing**
The equipment must be installed over a firm and level working surface, in a 1100 mm x 1500 mm area.
- 3.2 Electrical Installation**
The power plug has 3 pins the middle pin is the ground . All the 3 pins must be properly connected.
- 3.2 Pre-Operation**
Before to use the equipment all the parts which could get into contact with the product to be processed shall be washed with water and neutral soap (see item 5 CLEANING).

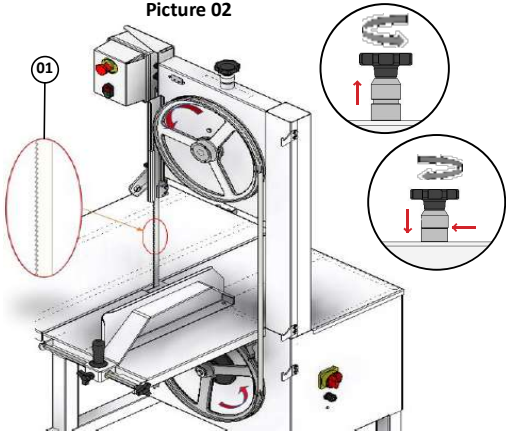
4. OPERATION

- 4.1 Starting**
To start the equipment follow the below instructions:
- Make sure all the protections and the door are in due place and the door is closed;
 - Plug the equipment to the electric network;
 - Rotate the Main Switch # 15 (Pic.01) on position “ON” to turn on the equipment.

4.2 Operation Procedures

- 4.2.1 Doors**
The Doors #02 (Pic. 01) shall be closed as long as the equipment is in use.
- 4.2.2 Thickness Guide**
To obtain several same thickness slices adjust the Thickness Guide #06 (Pic.01) as desired. That for turn the thickness guide handle counter clockwise getting the guide free, then place the Thickness Guide at the desired thickness and tight the Thickness Guide Handle turning it clockwise.
- 4.2.3 Blade**
The Blade N.01 (Pic. 02) must be installed with the teeth turned towards the front side of the machine and with the points downwards.
To regulate (stretch) the Blade #04 (Pic.01) turn clockwise the Blade Tension Regulator Handle # 01 (Pic.01) until it stops.

Picture 02



- 4.2.4 Blade Guide**
With the equipment switched OFF, turn the Handle #12 (Pic. 01) counter clockwise to get free the Blade Guide #11 (Pic.01). Then adjust the Blade Guide to have it no more than the height of the product to be cut and tight the Handle #12 (Pic.01).
- 4.2.5 Lower Wheel**
The Lower Wheel #07 (Pic. 01) is assembled on the lower bearing shaft.
- 4.2.6 Upper Wheel**
The Upper Wheel # 03 (Pic. 01) has in its frame the shaft and the bearing.
- Before to start the machine**
Push the Movable Table #10 (Pic. 01) totally to the front side of the machine.
Place the product to be cut on the Movable Table.
Choice the slices thickness and adjust the Thickness Guide #06 (Pic.01).
Adjust the Blade Guide #11 (Pic. 01) to no more than the height of the product to be cut.
Stay in front of the machine to have a front sight of the Blade.
- Start the Machine**
To start the machine turn the ON/OFF Switch #13 (Pic.01) button “I” (ON).

O afixamento deverá ser feito na carcaça da máquina.

Catch the Movable Table with the left hand and push against the Blade cutting the product at constant speed.
After finishing the whole slice remove it with the right hand. The slice shall ALWAYS be removed behind the Blade to avoid the hand to contact the Blade
Place the slices upon the Fixed Table # 05 (Pic. 01).
Bring back the Movable Table to the front side of the machine and repeat the above steps until to have finished to cut all the product.
After the end of the last slice turn the ON/OFF Switch to the position "O" (OFF) # 13 (Pic 01).

5. CLEANING

When the equipment must go through a complete cleaning and sanitization process:

- Before to be used first time.
- After every day end of operations
- When the saw is not going to be used for a long period.
- Before to start operation after a long period it has not been used.

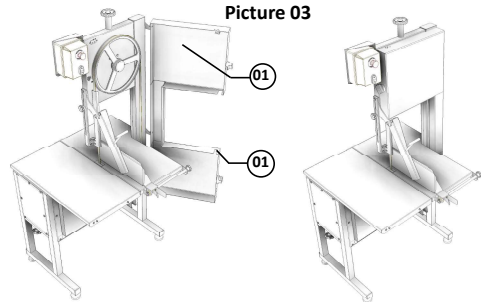
Some components may be removed to clean:

- Door
- Fixed Table Block
- Blade
- Thickness Guide
- Blade Scraper

Follow below instructions to remove the above mentioned components:

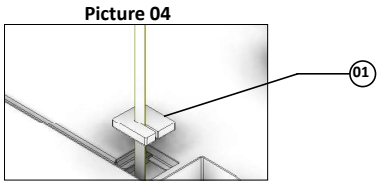
Doors

Turn the two Doors handle counterclockwise until they get free from their screws. Open the Door #01 (Pic. 03), hold it firmly and lift it.



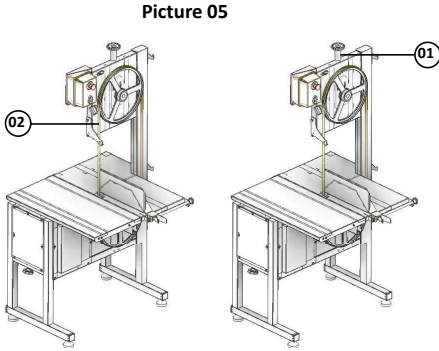
Fixed Table Block

Remove the Fixed Table Block #01 (Pic. 04) just lifting it , see picture 04.



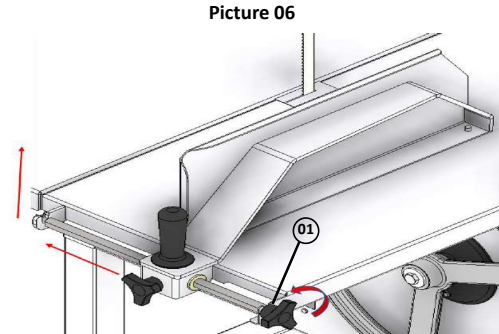
Blade

Turn the Blade Tension Regulator Handle # 01 (Pic 05) counterclockwise to get the Blade # 02 (Pic. 05) free to be removed.



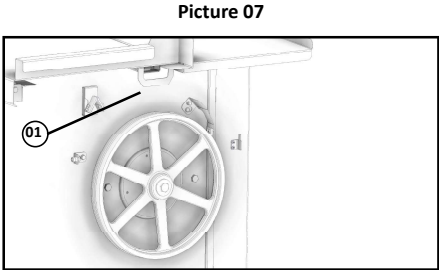
Thickness Guide

Turn the handle # 01 (Pic.06) counterclockwise and slide the shaft to the left until it loose from the base. Lift up the Cut Regulator and remove it.



Blade Scraper

Once the blade is removed, Blade Scraper #01 (Pic.06) is free to remove.



Use a clean cloth or a soft brush to remove residues. Wash, sanitize, rinse and dry all the components. Assemble back all the components following the inverse path, and make sure all the components are correctly in place.

Use Your QR Code Reader to access more information regarding cautions with stainless steel.

6. MAINTENANCE

Maintenance must be considered a set of procedures with the purpose to keep the equipment best operating conditions, therefore increasing the equipment life and safety.

Cleaning – check item 5 CLEANING

Wiring - Check all wires regarding deteriorate conditions as well as all electric contacts (terminals) regarding tightening and corrosion.

Contacts – ON/OFF switch, emergency button, reset button, electronic circuits, etc., check the equipment in order to assure that all components are correctly working and the equipment operation is normal.

Installation – make sure the installation followed item 3 instructions.

Life span: 50.000 cycles as per test standard.

1 – Each month check:

- Check the electrical installation
- Measure the voltage at the socket
- Measure the working current and match it with the nominal current
- Check the tightening of all electric terminals to avoid bad contacts
- Check electric motor shaft clearance

7. PROBLEM SOLUTIONS

PROBLEMS	CAUSES	SOLUTIONS
- The equipment does not switch on.	- Lack of Power; - Problem with the internal or external electric circuits.	- Check if there is electric power. - Call Technical Assistance.
- Machine switch on but when product touches the blade it stops or runs slowly.	- Belt slipping on pulleys. - Damaged Motor.	- Adjust the blade tension, see item 4.2.3; - Call Technical Assistance.
- Smoke or burn smell.	- Problem with the internal or external electric circuits.	- Call Technical Assistance.
- Blade breaks frequently.	- Dirty Blade or Wheel. - Wheel Damaged.	- Clean, see the item 5 CLEANING. - Call Technical Assistance.
- Damaged Cord.	- Problem during transportation.	- Call Technical Assistance.
- Unusual noises.	- Problems with bearings.	- Call Technical Assistance.
- Difficulties to cut the product.	- Dirty blade or wheels. - Blade with wrong tension; - Blade is not on wheels center; - Blunt blade.	- Clean, see the item 5 CLEANING; - Adjust the blade tension, see item 4.2.3; - Call Technical Assistance. - Change the Blade.

- Check the wiring for overeating , insulation failures and mechanical damages.
- Lubricate the bearings once every two months. We recommend the utilization of GBR Lithium MP2 Grease.

2 Each three month checks

- Check electrical components such as ON/OFF switch, emergency button , reset button, electronic electric circuits, overeating, insulation failings, or mechanical damages
- Check bearings clearances
- Check retainers, O’rings, V’rings and other seals
- Check that all screws and nuts are tight to avoid possible damage to the equipment.

Use Your QR Code Reader to access more information regarding safety and maintenance.