



SINCE 1972

INSTRUCTION MANUAL

GRAIN ELEVATOR

MODELS: EC1 - EC1 DOUBLE
EC10 - EC10 DOUBLE
EC30



IMPORTANT: Please read the entire manual before equipment usage



**100%
MADE IN
BRAZIL**



PRESENTATION

This manual is considered an integral part of the equipment produced by CIMISA MÁQUINAS POZZER LTDA. The purpose of this manual is to guide you through the necessary procedures from its acquisition to the operational procedures for use, safety, and maintenance. The operator must carefully read the entire manual before operating the equipment and ensure compliance with the safety recommendations.

CIMISA provides guidance to the consumer regarding maintenance items, safety, their obligations in the event of technical assistance, strict compliance with the warranty terms, and reading the instruction manual. We emphasize the need to observe all the items in this manual, as doing so will increase the lifespan of your equipment.

SAFETY RULES



This warning symbol indicates important safety caution. In this manual, whenever you come across this warning, please read the following message carefully and be mindful of the possibility of personal accidents.

The grain elevators are easy to operate, but they require essential care in handling. Always keep in mind that **SAFETY REQUIRES CONSTANT ATTENTION, OBSERVATION, AND CAUTION.**

NEVER HANDLE THE PARTS OF THE GRAIN ELEVATOR WHILE THE EQUIPMENT IS IN OPERATION.



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INTRODUCTION

Cimisa grain elevators have been developed for the lifting of cereals in both grain storage units and seed processing units. Thanks to their modular construction, the elevators allow for various size configurations, meeting all market requirements with increased efficiency.

The elevators are available in several models for different purposes. Cimisa offers the EC1, EC1 Duplo, EC10, EC10 Duplo (Double EC10), and EC30 models.

TECHNICAL SPECIFICATIONS

EC1 Single Elevator. Capacity of 5 tons per hour

Motor. 2 HP three-phase 220/380V 60Hz EC1

EC1 Double Elevator. Capacity of 5 tons per hour per chute

Motor. 3 HP three-phase 220/380V 60Hz EC10

EC10 Elevator. Capacity of 10 tons per hour

Motor. 2.0 HP three-phase 220/380V 60Hz EC10

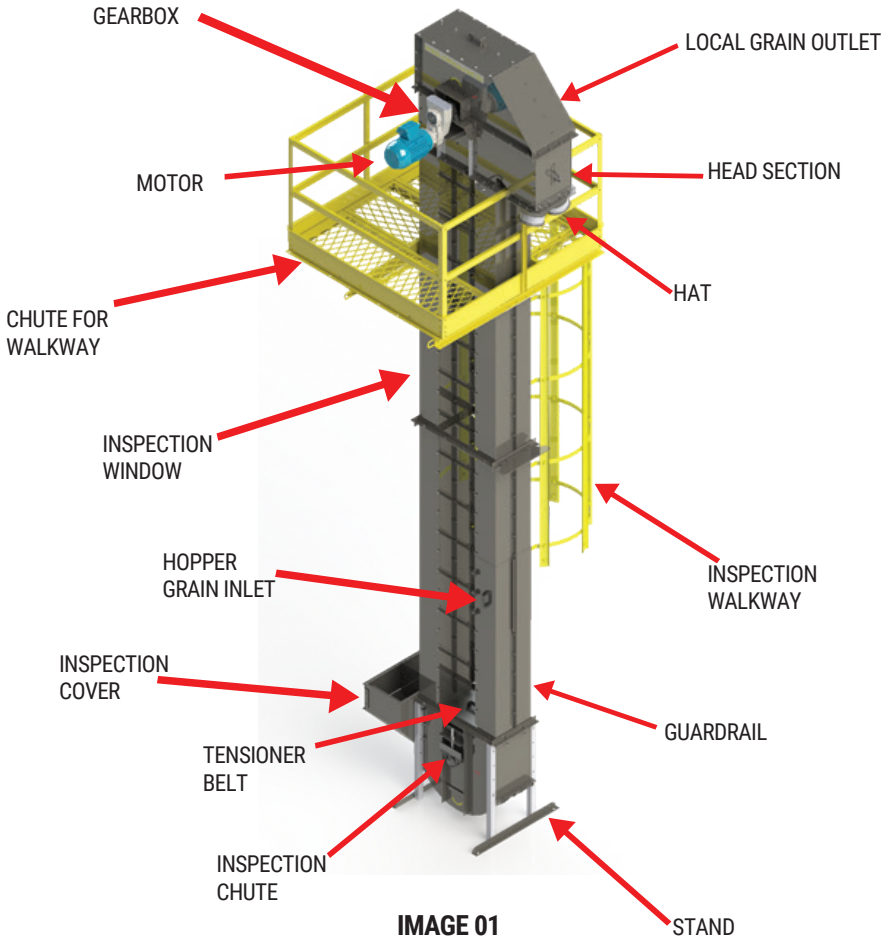
EC10 Double Elevator. Capacity of 10 tons per hour per chute

Motor. 3.0 HP three-phase 220/380V 60Hz

EC30 Elevator. Capacity of 30 tons per hour

Motor. 4 HP three-phase 220/380V 60Hz

GETTING TO KNOW YOUR EQUIPMENT



GETTING TO KNOW YOUR EQUIPMENT

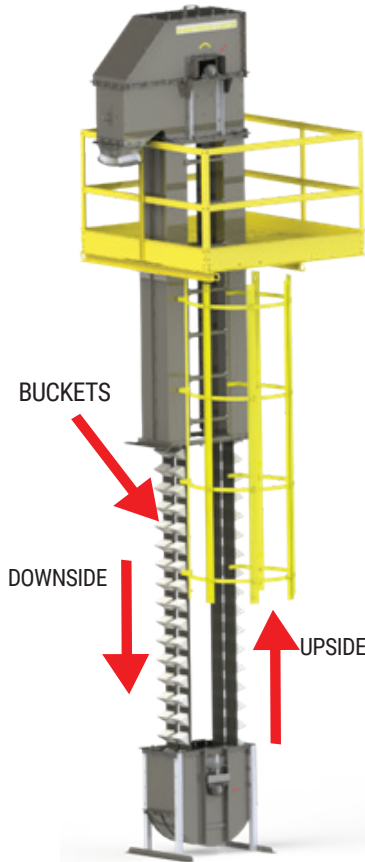


IMAGE 02

EQUIPMENT IDENTIFICATION

When contacting CIMISA's information and technical support service, please provide the manufacturing data shown on the IDENTIFICATION PLATE, such as model, serial number, and year of manufacture.


	CIMISA MÁQUINAS POZZER LTDA
	Av. Dom Pedro II, RS 467, Linha Calegari Tapejara/RS CEP 99.950-000 - Brasil
	FONE/FAX: (54) 3344 1092 CGCMF - 90.779.299/0001-17
	Modelo: <input type="text" value="EC1"/>
Nº Série: <input type="text" value="147"/>	
Ano FAB.: <input type="text" value="2023"/>	

IMAGE 03

CIMISA reserves the right to make modifications to its products at any time in order to better meet consumer needs, without incurring the obligation to make the same modifications to previously sold products.



CIMISA MÁQUINAS POZZER LTDA.
CNPJ 90 779 299/0001-17

INSTALLATION

Positioning

For the proper functioning of the equipment, it is necessary to install it in a sturdy location (concrete floor with steel mesh with a thickness of 12 to 15 cm) that is flat and level. Additionally, the equipment should be protected from direct sunlight, excessive heat, and water (rain).

The equipment should be secured to the floor using parabol-type screws as illustrated in Image 05.

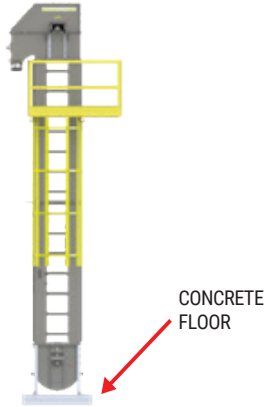


IMAGE 04



When securing the machine, no material should be placed between the equipment and the ground or base. For example, rubber, canvas, or plastic should not be used.



Improperly installed equipment voids the warranty and may cause accidents.

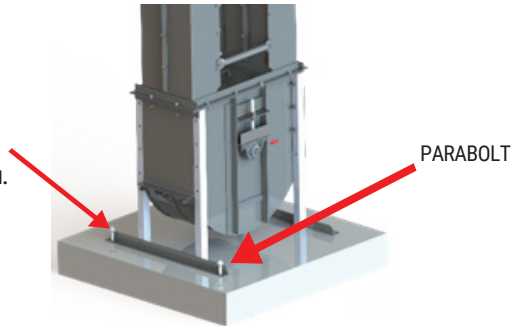


IMAGE 05

Electrical Power

Before activating the equipment, verify if the electrical voltage supplied by the local utility company is compatible with the nominal voltage of the equipment. If the electrical installation of the equipment does not comply with the grid voltage, it should be modified to match the specifications indicated on the motor's fixed plate, which should be similar to Image 06. If in doubt, consult a qualified professional.

The motor must always rotate in the direction indicated on the equipment. If it is rotating in the opposite direction, invert the wires according to the information on the motor's fixed plate.

All electrical installation at the site must be performed properly and safely, following the prescribed safety standards. If in doubt, consult a qualified professional.

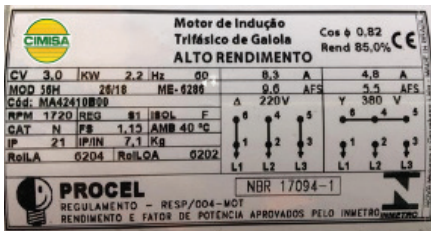


IMAGE 06

Grain elevators can be equipped with single-phase or three-phase motors.



There is no warranty for problems related to the electrical network, site installations, electrical discharges, and others.



Risk of electric shock. Always consult a qualified professional.



Do not use cables/extensions longer than 10 meters for operating the equipment. Risk of motor burnout.

It is necessary for the equipment to receive stable power, free from voltage (volts) and frequency (cycles) fluctuations.

ELECTRICAL PANEL

Your equipment is equipped with an electrical panel as illustrated in Image 7.

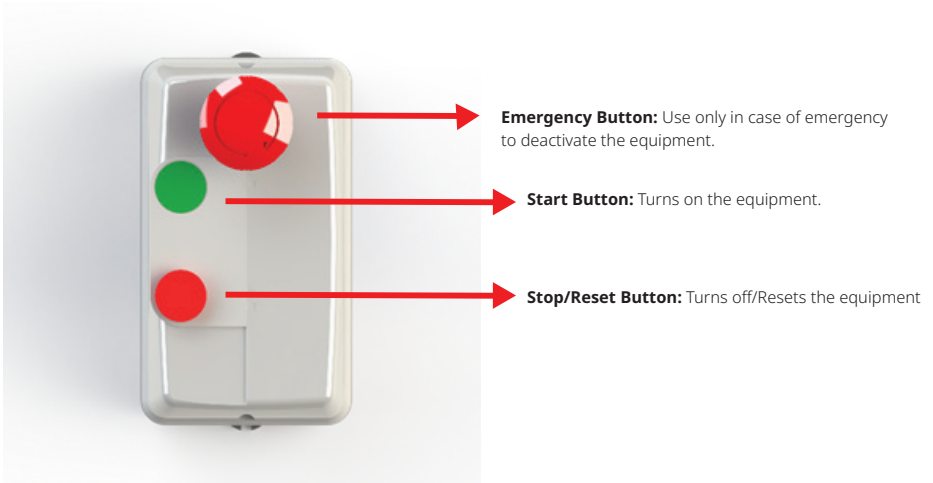


IMAGE 07

TEST ACTIVATION

Before operating the equipment, certain items should be inspected and adjusted if necessary.



This inspection should be done with the equipment **TURNED OFF** and the electrical control panel **LOCKED**.

- Check if the equipment is properly leveled.
- Ensure that the parabolt screws are properly tightened.
- Verify the tightness of the belt tensioner screws.
- Make sure all steel cables are securely fastened to the elevator.
- Check the tension of the drive belts.
- Perform internal and external cleaning of the equipment, removing any debris, leftover materials, tools, and any foreign objects from inside the equipment.
- Verify the functioning of the control panel and electrical connections.
- Ensure that all windows and inspection covers are fully closed and securely fastened.

Motor Rotation Verification

With the equipment in operation, it is necessary to check if the rotation is in accordance with the indication shown on the machine.



If the rotation is in the opposite direction, it is necessary to change the motor rotation, following the information provided on the motor's attached plate, as illustrated in image 06 on page 09 (always consult a qualified professional).

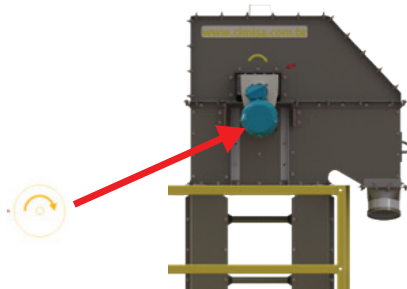


IMAGE 08



USING THE EQUIPMENT

In order for the elevator to work at its maximum capacity and have a continuous discharge flow, the product input flow must be fully regulated according to the elevator specifications.

Never exceed the maximum capacity of the elevator.

The product should only enter the elevator when the buckets are in motion.

It is recommended to stop the product flow before stopping the elevator, as a stopped elevator with full buckets can overload the motor.

PERIODIC MAINTENANCE

Some parts of the equipment require periodic maintenance for proper and safe operation.

Certain bolts and nuts should be tightened every 24 hours of work, and some grease fittings should be lubricated every 24 hours of work.

On the right, you can see how these parts are signaled on the equipment.



The tightening and lubrication procedures should be performed every 24 hours of use.



Failure to follow these guidelines may result in accidents and will void the equipment warranty.

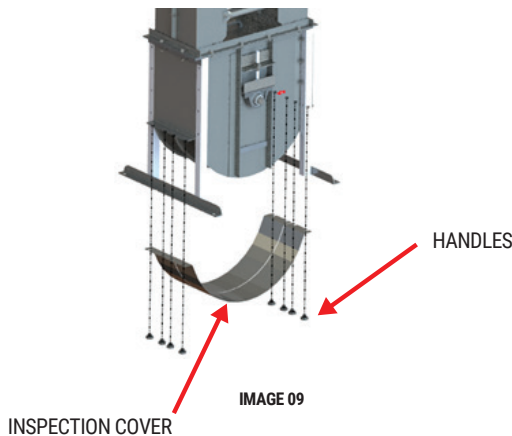


The green arrows indicate which screws and nuts should be tightened.



The red arrows indicate which grease fittings should be lubricated.

Seu equipamento possui tampa de inspeção para limpeza. Para remoção, basta afrouxar os manípulos conforme imagem abaixo.



PERIODIC MAINTENANCE

Belt Tension

There are two nuts that ensure the belt tension. The upper tightening nut and the lower tightening nut.

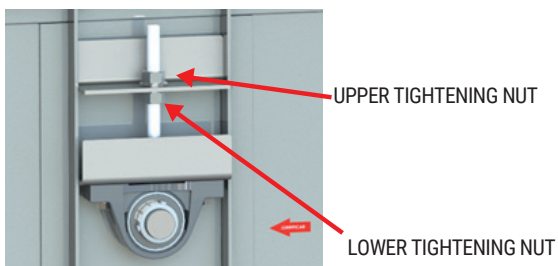


IMAGE 10

If it is necessary to adjust the belt tension or align it, follow these steps: Loosen the upper tightening nut by turning it counterclockwise and turn the lower tightening nut clockwise as needed. This will stretch the belt.



IMAGE 11



IMAGE 12



If the belt is misaligned, tension the same side where the belt tends to move out of alignment. For example, if the belt is moving to the left side, tension the left side.



FREQUENTLY ASKED QUESTIONS

MY EQUIPMENT DOES NOT TURN ON

- **Check if the emergency button is not engaged.**
- **Verify if the equipment's power cable is connected to a socket that is receiving electricity.**
- **Ensure that it has not been wet or experienced any electrical discharge in the past few days.**
- **Check if the wires of the equipment's power cable are connected to the wires of the electric motor.**



WARRANTY TERM

CIMISA MÁQUINAS POZZER LTDA., Business company, established on highway RS 467, 578 - Tapejara, RS, Zipcode: 99.950-000, taxpayer identification number (CNPJ) 90.779.299/0001-17. CIMISA assures to new customers for a period of 01 (one) year, starting at the purchase date, full warranty against factory defects or of material that result in compromise of the product's operation, as long as the following criteria are met:

CONDITIONS

- 1 - The terms of this warranty are only applicable to equipment purchased directly from authorized dealers or directly from the factory;
- 2 - CIMISA ensures that the products – including those equipment and accessories originally installed by CIMISA – are surely free from material or factory damage and follow strictly the standard usage as listed in the operational manual;
- 3 - Observing the conditions of the warranty, CIMISA will repair or substitute, at its own criteria, pieces covered by this warranty when they are found defective either from material or from manufacturing, during the prestablished warranty term;
- 4 - The repairs or substitutions, according to this warranty and its prestablished deadline, must be executed by the manufacturer's factory or authorized services referred by CIMISA, without any extra charges regarding installation or components, except grease, cleaning products, lubricants, joints and other similar minor needs;
- 5 - CIMISA's responsibility, according to this warranty, is limited to repairment or replacement of any given original piece that, within the warranty period, must be sent to CIMISA's authorized sales representatives, which will be analysed by specialists in order to attest and prove that the claimed defect is accurate;
- 6 - The product's warranty includes any given manufacturing defect, as long as all pieces and components are found to be legitimate CIMISA pieces and delivered by authorized personnel;



WARRANTY TERM

- 7 - Pieces and components covered by the warranty will be replaced or refunded only if the defect is attested by the CIMISA'S technical assistance or authorized personnel;
- 8 - This warranty does not cover pieces with wear damage, damage due to operational conditions and other aspects such as climate characteristics specific to one's area;
- 9 - In order to validate this warranty, it is mandatory for customers to present the certificate of technical delivery, properly filled out, along with the sale's receipt;
- 10 - As long as the conditions of this warranty term are met, CIMISA assures repair or replacements of damaged equipment, free of charge.

WARRANTY LOSS:

Warranty will no longer be valid in the following situations:

- 1 - Damage caused by incorrect use, abuse, negligence or lack of proper maintenance, which demonstrates non compliance with the instructions advised by the manufacturer and presented to the user in the operating manual;
- 2 - Damage caused by accidents or weather and other natural causes;
- 3 - Repairs, modifications or violation of pieces or components, performed by unauthorized personnel.
- 4 - Type-overs, crossed out words or omission of information when delivering the certificate of technical delivery, the warranty certificate, the machine's identification plate or the sale's receipt.

IMPORTANT:

If your product presents with damage within the warranty period, reach out to authorized personnel or the manufacturer exclusively. The equipment should only be repaired or assembled while monitored and witnessed by properly qualified personnel, with proper credentials by the manufacturer, as well as with the use of recently purchased original pieces, under the penalty of warranty loss and exempting CIMISA from any responsibility.

STORE YOUR SALE'S RECEIPT IN A SAFE PLACE. THAT IS THE DOCUMENT THAT ENSURES YOUR WARRANTY DEADLINE.

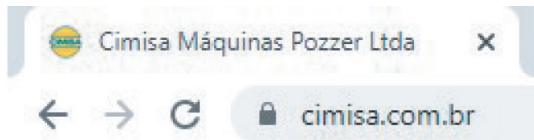


Warranty validation

FIND THE NEAREST SALES REPRESENTATIVE NEAR YOU

• **STEP ONE**

Access CIMISA's website on ***www.cimisa.com.br***

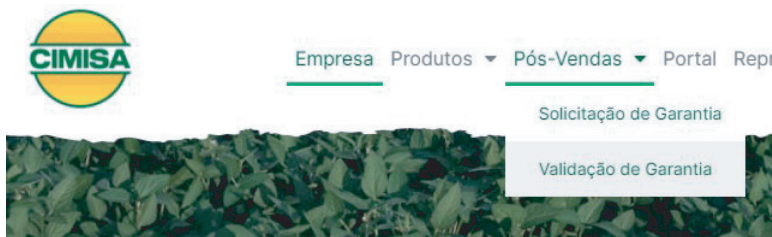


• **STEP TWO**

Click on Post-Sales on the website

• **STEP THREE**

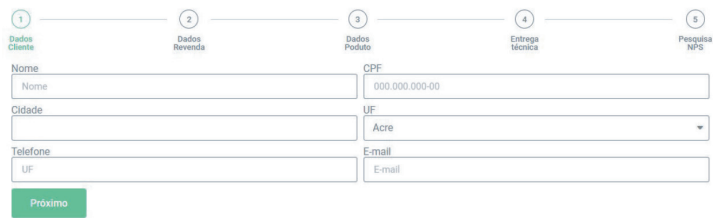
To validate the warranty, under post-sales, select the second field, ***warranty validation***.



• **STEP FOUR**

Fill in the customer's information.

IMPORTANT: all fields must be filled out, otherwise you won't be allowed to move on to the next step. The information to be filled must refer to the person who purchased the product.



1 Dados Cliente 2 Dados Revenda 3 Dados Produto 4 Entrega Técnica 5 Pesquisa NPS

Nome CPF

Cidade UF

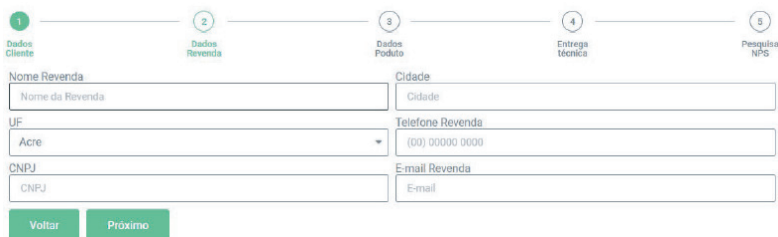
Telefone E-mail

UF E-mail

Próximo

• **STEP FIVE**

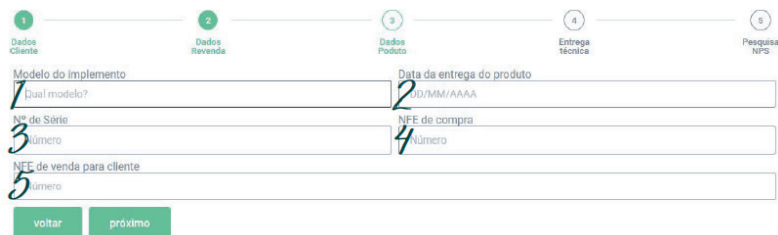
IMPORTANT: all fields must be filled out, otherwise you won't be allowed to move on to the next step. The information to be filled must refer to resales



The form for Step Five is divided into five numbered sections: 1. Dados Cliente, 2. Dados Revenda, 3. Dados Produto, 4. Entrega Técnica, and 5. Pesquisa NPS. Fields include: Nome da Revenda, UF (Acre), CNPJ, Cidade, Telefone Revenda ((00) 00000 0000), and E-mail Revenda (E-mail). Buttons for 'Voltar' and 'Próximo' are at the bottom.

• **SIXTH STEP**

IMPORTANT: all fields must be filled out, otherwise you won't be allowed to move on to the next step. The information to be filled must refer to resales



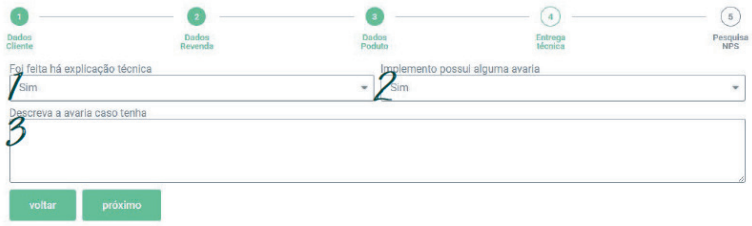
The form for Step Six is divided into five numbered sections: 1. Dados Cliente, 2. Dados Revenda, 3. Dados Produto, 4. Entrega Técnica, and 5. Pesquisa NPS. Fields include: Modelo do implemento (Dual modelo?), N° de Série (Número), NEE de venda para cliente (Número), Data da entrega do produto (DD/MM/AAAA), and NEE de compra (Número). Buttons for 'voltar' and 'próximo' are at the bottom.

- 1 - Which product line was purchased? (Micro, Classifiers, densimetric tables, seed processors etc.).
- 2- Date when the technical delivery was delivered to the customer.
- 3- Serial number of the equipment, that will be listed both on the sale's receipt and the identification plate.
- 4- Sale's client receipt number.
- 5- Final customer's sale's receipt number.

• SEVENTH STEP

IMPORTANT: all fields must be filled out, otherwise you won't be allowed to move on to the next step.

The information to be filled must refer to resales.



1- In this field, there is a yes or no option to choose if the technical delivery was done.

2- The purpose of this field is to identify if the equipment has any visible damage, it is a yes or no question.

3- This field is exclusively for those who answered YES to question 2 and the customer can explain the damages found.

• EIGHT STEP

IMPORTANT: all fields must be filled out, otherwise you won't be allowed to move on to the next step. On this field, it is important to fill out all the information according to the customers satisfaction, to identify if the product met their expectations and their considerations for possible improvements





• **NINETH STEP**

Generating the Warranty Certificate.

After all previous steps have been concluded, after you click send, the warranty certificate will be generated automatically, which will be forwarded to the informed e-mail. The certificate is the proof of warranty of your equipment.





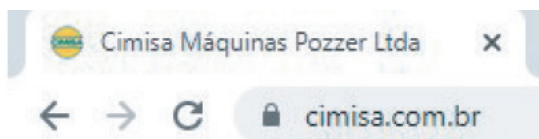
Warranty request

The purpose of this manual is to guide the resales on how to proceed with warranty requests and warranty validations. By doing so, we ensure a more practical and agile resales system while maintaining trusted assistance and the possibility of following your requests along in real-time. Regarding warranty validation, it is an attempt to demonstrate how reliable the resales system is to the final customer. When the warranty is validated, a certificate of warranty is generated for the client.

Important: The request must be filled out within 30 days of the technical delivery.

• STEP ONE

Access CIMISA's website on www.cimisa.com.br



• STEP TWO

Hover the Post-Sales tab on the website and choose **warranty request**.



• STEP THREE

Fill in the customer's information.

IMPORTANT: all fields must be filled out, otherwise you won't be allowed to move on to the next step. The information to be filled must refer to the person who purchased the product.



1 Dados Proprietário 2 Dados Revenda 3 Dados do Equipamento 4 Reclamação

Nome	E-mail	
Telefone	UF	Cidade

Próximo

• STEP FOUR

Resales Information

IMPORTANT: all fields must be filled out, otherwise you won't be allowed to move on to the next step.

The information to be filled must refer to resales.

1 Dados Proprietário 2 Dados Revenda 3 Dados do Equipamento 4 Reclamação

Nome da Revenda	E-mail revenda	
Telefone Revenda	UF Revenda	Cidade Revenda

Voltar Próximo

• STEP FIVE

Equipment Information

***IMPORTANT:** all fields must be filled out, otherwise you won't be allowed to move on to the next step.

1 Dados Proprietário 2 Dados Revenda 3 Dados do Equipamento 4 Reclamação

1 Equipamento	2 NF-e	3 Série NF-e
Escolher arquivo Nenhum arquivo selecionado	4 Modelo	5 Data
		6 Horas

Voltar Próximo

1. Which product line was purchased? (Micro, Classifiers, densimetric tables, seed processors etc.).
2. Sale's client receipt number .
3. Serial number of the equipment, that will be listed on the sale's receipt.
4. Product's Model (CS3B, CS4, CD2000, MD50, M60, etc...)
5. Date warranty was requested.
6. Hours worked with the equipment, in case it is unknown, inform 000.

• STEP SIX

Problem Description

Images to illustrate the occurring events is mandatory and must be discussed along with the detailed history of the problem , if there were broken pieces, inform and forward evidence through pictures.



The screenshot shows a four-step progress bar at the top: 1. Dados Proprietário, 2. Dados Revenda, 3. Dados do Equipamento, and 4. Reclamação. The 'Reclamação' step is active. Below the progress bar is a large text input field labeled 'Reclamação'. Underneath the text field, it says 'Até 4 fotos.' and there is a file selection area with the text 'Escolher arquivos' and 'Nenhum arquivo selecionado'. At the bottom, there are two buttons: a yellow 'Voltar' button and a green 'Enviar' button. A faint background image of a grain elevator is visible on the right side of the form.



Final Considerations:

After following the adjustments and preventive measures described in this manual, your equipment is ready for use. In order to provide the best customer service, Cimisa Máquinas Pozzer Ltda offers the following communication channels:

Cimisa:

CIMISA@CIMISA.COM.BR

(54) 3344-1092

WWW.CIMISA.COM.BR

After-Sales:

POSVENDAS@CIMISA.COM.BR

(54)99961-1282

Sales:

COMERCIAL@CIMISA.COM.BR

(54)99630-8455



www.cimisa.com.br