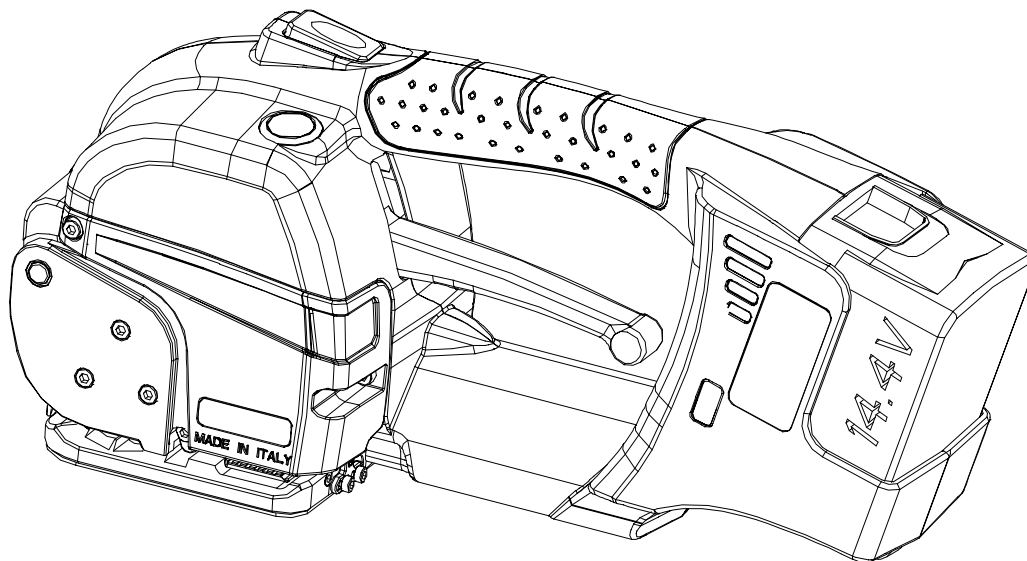


MAILLIS STRAPPING SYSTEMS - USA

■ M.J. MAILLIS GROUP

<i>MT 320</i>	
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USER' S MANUAL	<i>EN</i>
INSTRUCCIONES	<i>ES</i>
MANUALE D'USO	<i>IT</i>
MODE D'EMPLOI	<i>FR</i>

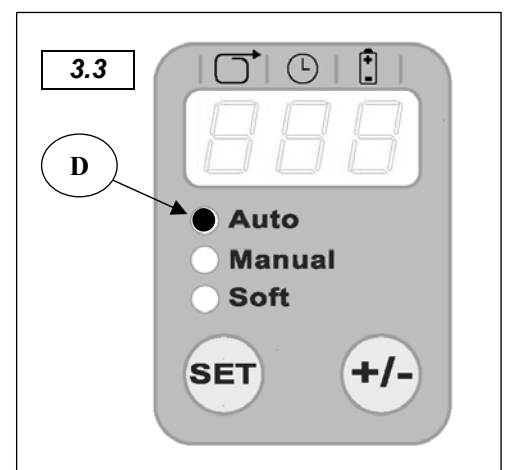
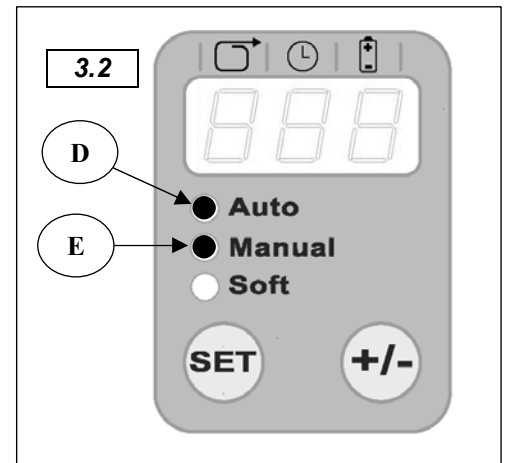
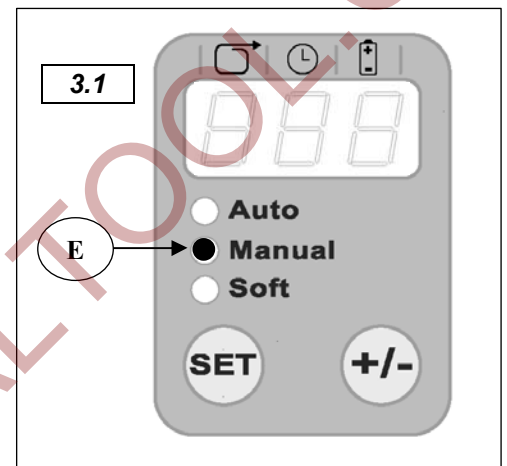
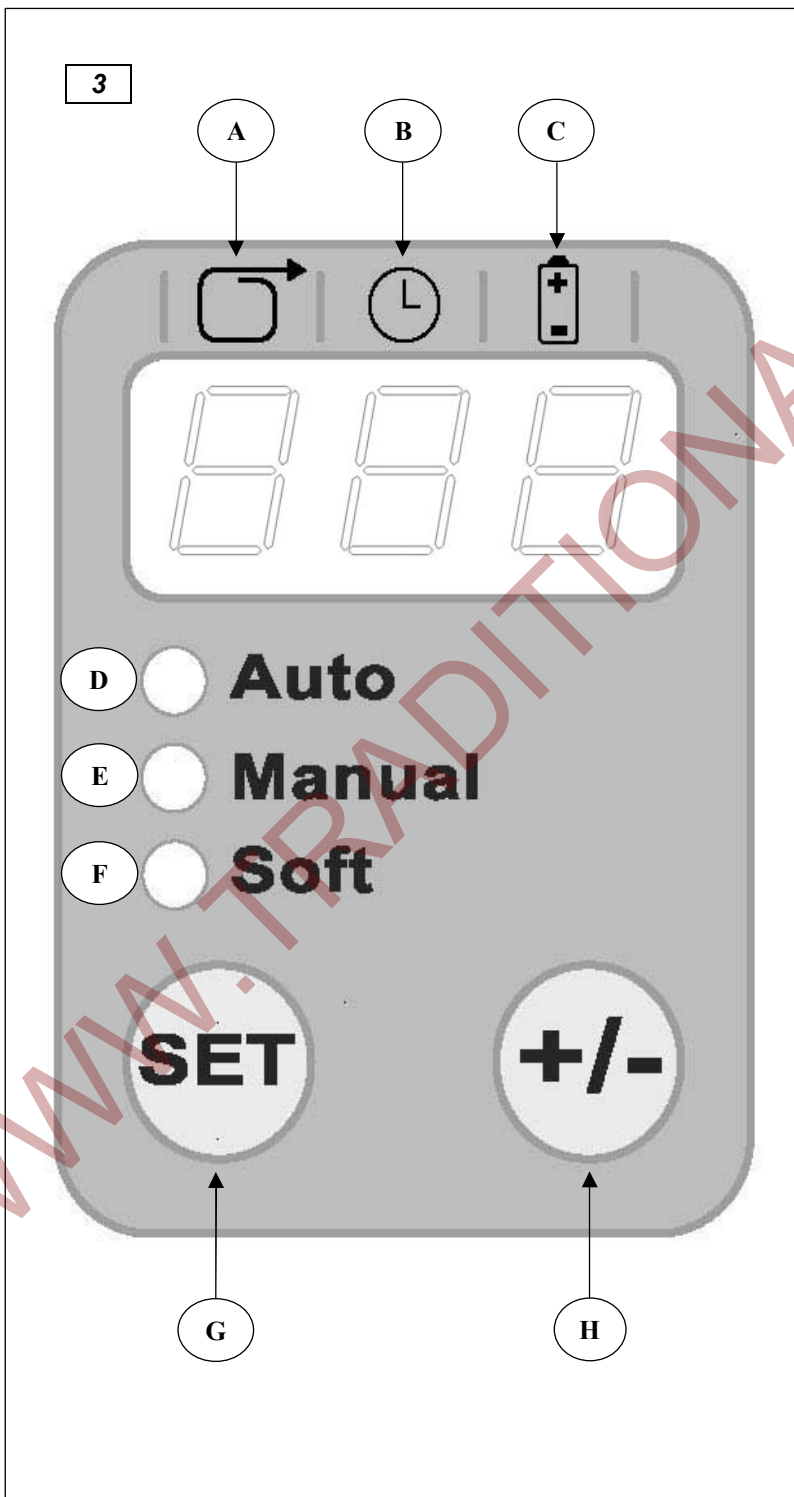
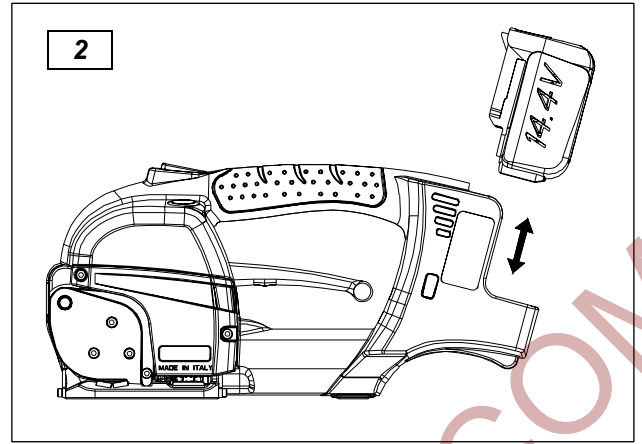
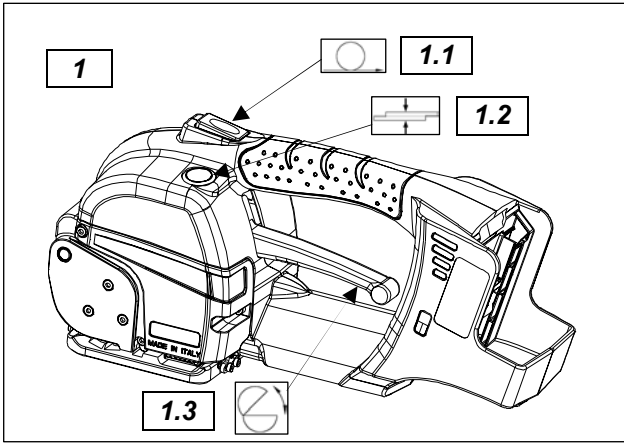


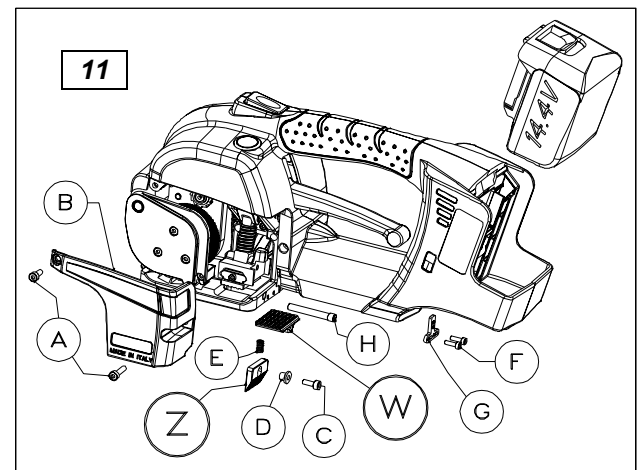
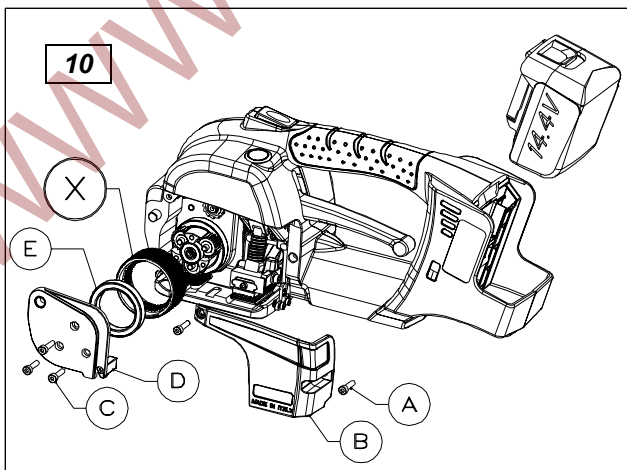
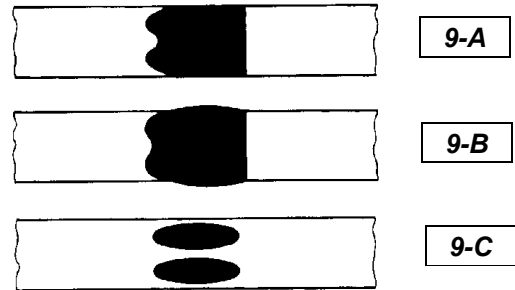
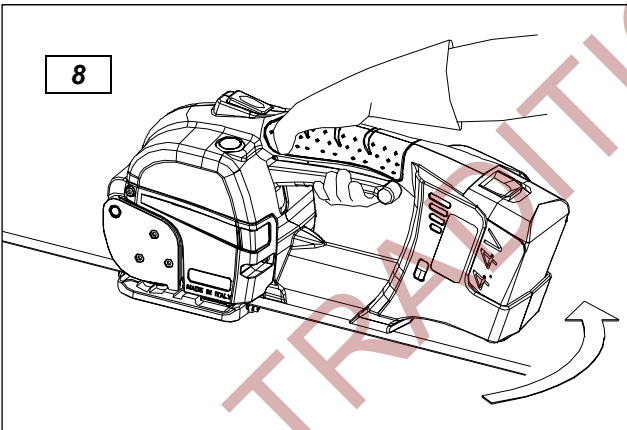
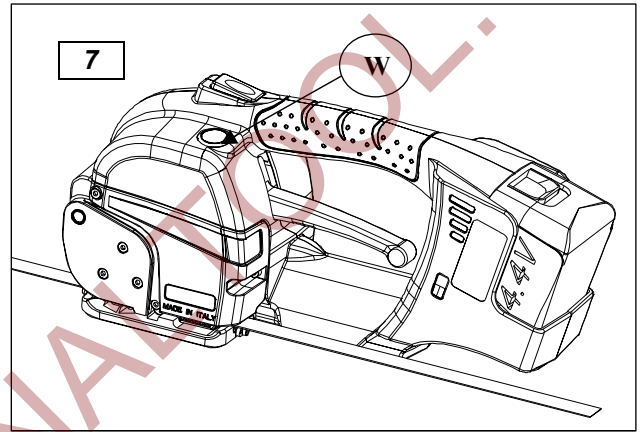
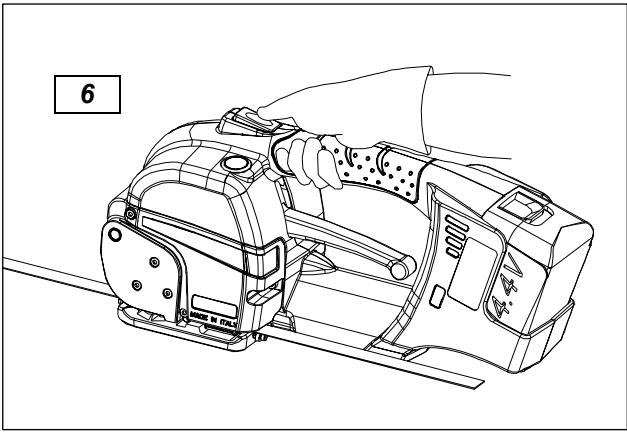
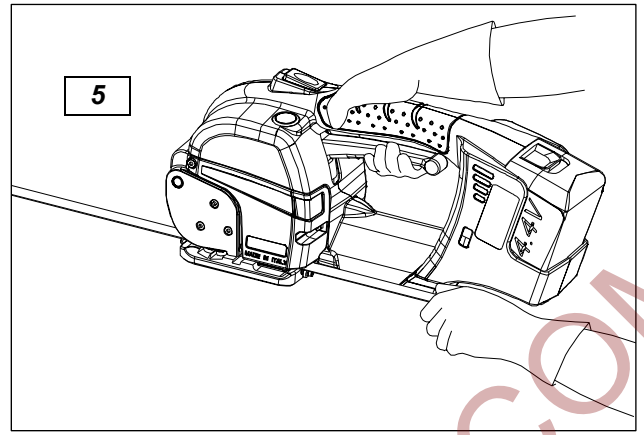
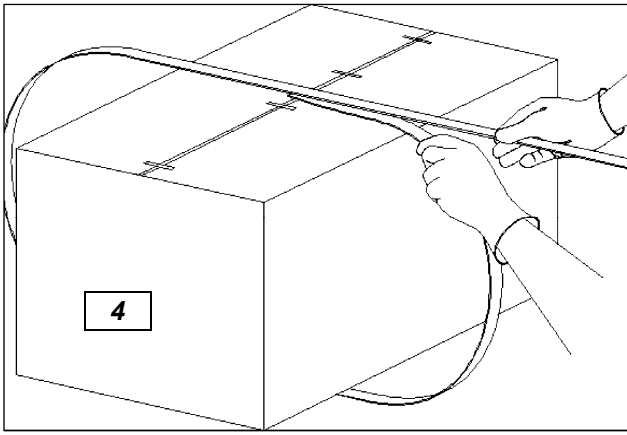
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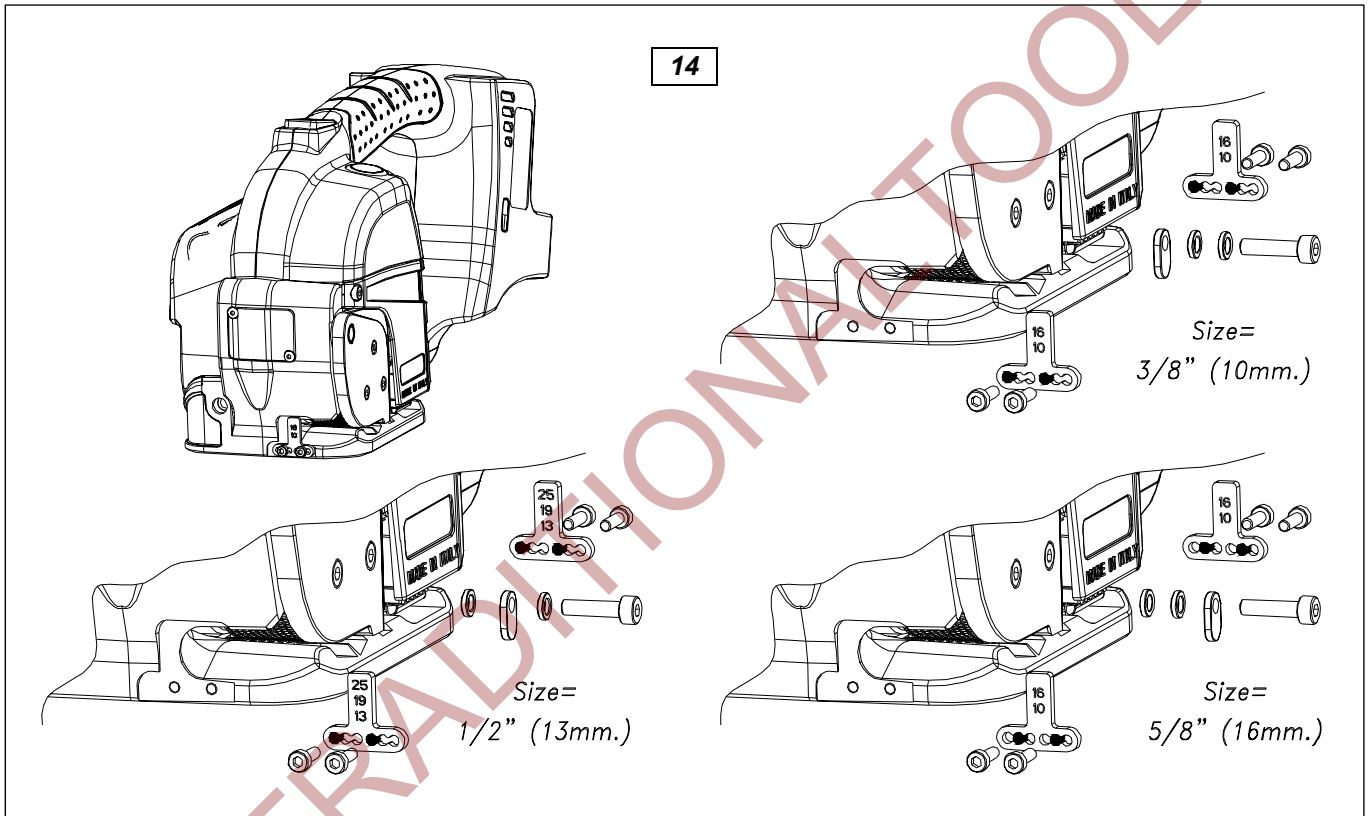
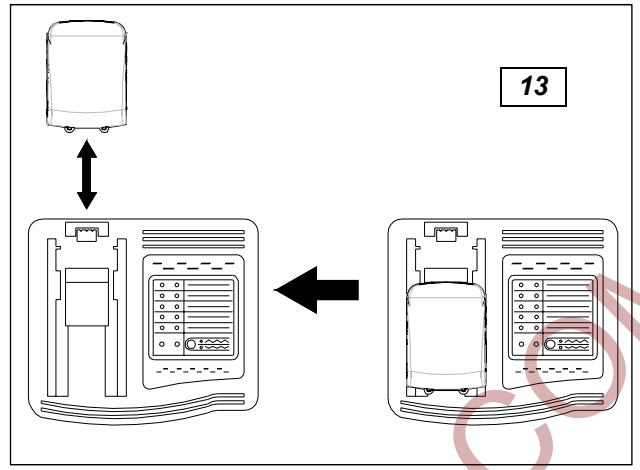
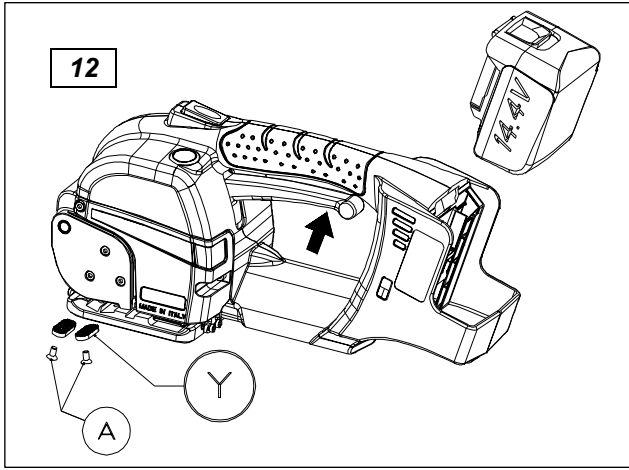
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TOOL REPAIR, INC.
WWW.TRADITIONALTOOL.COM

C413016880Z

PATENT PENDING







Operating and Maintenance Manual

We thank you for the confidence you have shown us by choosing our strapping tool. We are confident that the continuous use of our tool will increase your satisfaction and appreciation for the quality of our products. Please carefully read this manual, issued with the purpose to give you detailed information about the correct use of our tools and in compliance with the essential safety standards.

General Power Tool Safety Warnings

Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference. The term "power tool" in the warnings refers to your electrically-operated (corded) power tool or battery-operated (cordless) power tool.

Work area safety

Keep work area clean and well lit. Cluttered or dark areas invite accidents.

Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.

Power tools create sparks which may ignite the dust or fumes.

Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Electrical safety

Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.

Unmodified plugs and matching outlets will reduce risk of electric shock.

Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.

There is an increased risk of electric shock if your body is earthed or grounded.

Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges and moving parts. Damaged or entangled cords increase the risk of electric shock.

Personal safety

Stay alert, watch what you are doing and use common sense when operating a power tool.

Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.

A moment of inattention while operating power tools may result in serious personal injury.

Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.

Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.

Loose clothes, jewelry or long hair can be caught in moving parts.

Power tool use and care

Do not force the power tool. Use the correct power tool for your application.

The correct power tool will do the job better and safer at the rate for which it was designed.

Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments,

changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.

Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.

Power tools are dangerous in the hands of untrained users.

Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

Battery tool use and care

Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack. Use power tools only with specifically designated battery packs.

Use of any other battery packs may create a risk of injury and fire.

When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects that can make a connection from one terminal to another.

Shorting the battery terminals together may cause burns or a fire.

Under abusive conditions, liquid may be ejected from the battery; avoid contact.

If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

Service

Have your power tool serviced by a qualified repair person using only OEM replacement parts.

This will ensure that the safety of the power tool is maintained.

SPECIFIC SAFETY RULES FOR STRAPPING TOOLS

Eyes and hand protection

Strapping tool must be used by one operator at time.

When using packaging straps it is advisable to wear safety glasses with side protectors. The non-observance of this rule may cause dangerous wounds to eyes and severe injuries to the sight. It is also compulsory to wear protection gloves against occasional sharp-edged strap.

Acoustic Protection

Wear hearing protection.

Body protection

Wear safety shoes and working uniform.

Cut of tightened straps

The cutting of tightened straps must be made exclusively by suitable scissors. The use of other tools, such as, box cutters, blades and/or tongs, may be dangerous.

When operating, it is advised to keep to a safe distance and to make sure that nobody else is standing in the tools working area because, after cutting, strap may quickly slip away.

Danger caused by incorrect sealing

It is essential to check that package sealing is perfect. An incorrect seal is surely not reliable and exposes both goods and packing operators to risks. As it is your responsibility to make a correct seal, we suggest you learn how to make the best possible seal by checking the instructions, given in this manual.

Strap unrolling

Strap must be unrolled by suitable un-roller.

Use of package for different purposes

It is absolutely forbidden to lift, hang or draw the goods packaged with strap. This will help to avoid dangerous accidents.

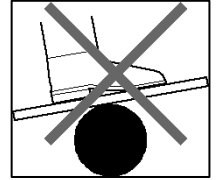
Strap breakage danger during sealing cycle

A wrong use: Excessive tensioning, an unsuitable strap, a sharp-edged package or packages wrongly positioned during tightening cycle, may cause a sudden strap loosening or breaking with the following possible consequences:

- packages falling-down
- loss of balance
- sudden return of strap which may cause injuries or damage to other goods.

Always ensure that you are in a stable position when you use the tool.

Delimit the space around the working position, keeping adequate safety distance. Make sure no one is present in the delimited area before proceeding with use of the tool.



Battery

- Avoid unintentional switching on.
- Ensure the On/Off switch is in the off position before inserting battery pack.
- Carrying the power tool with your finger on the On/Off switch or inserting the battery pack into power tools that have the switch on invites accidents.
- Do not open the battery. Danger of short circuiting.
- Protect the battery against heat, e.g., also against continuous sun exposure and fire. There is danger of explosion.
- Do not short-circuit the battery. There is danger of explosion.
- Battery leakage may occur under extreme usage or temperature conditions. When a rechargeable battery leaks, avoid contact with the skin or eyes. The battery liquid is caustic and could cause chemical burns to skin.
- If liquid comes in contact with skin, wash quickly with soap and water, then with lemon juice or vinegar. If the liquid contacts your eyes, flush them with water for a minimum of 10 minutes and seek medical attention.

SYMBOLS

	Before using the tool read and understand the instruction manual		
	ATTENTION!		It is always indispensable to wear protection gloves
	Tool positioning and removal of tool		It is always indispensable to wear safety shoes
	Strap tension		It is always indispensable to wear hearing protection
	Strap sealing		It is always indispensable to wear safety glasses

Use and care of the instruction manual

This instruction manual is addressed to tool operators, owners, maintenance, cleaning and repair staff.

ANY USE DIFFERENT FROM THE ONE STATED IN THIS LEAFLET IS NOT ALLOWED!

This manual gives instructions about the use of the tool according to the lay-out and its technical features.

- The tool is bound to a professional use and therefore the instruction manual can never replace a convenient operator experience.
- This booklet is to be considered an integrant part of the tool itself and must be preserved for future reference for the whole tool life.
- In case of lost or damage, user can ask the manufacturer for a new manual, making reference to machine serial number, model and year of production, as shown on the machine name plate.
- The manufacturer reserves at any time the right to bring both production and instruction manual up-to-date without any obligation to modify previous machines and manuals.
- The user may at any time contact the manufacturer to get further information on the correct use of the machine.
- The manufacturer is not responsible in the following cases:
 - o misuse of the machine
 - o lack of maintenance
 - o interventions or modifications of the machine not previously authorized by manufacturer
 - o partial or full non-observance of instructions
 - o exceptional events

INTENDED USE OF THE TOOL

The equipment described in the manual herein is intended to strap packaging with plastic straps using a vibration welding system. Any other usage is not allowed.

TECHNICAL DATA

Noise / Vibration Information

Measured values determined according to EN 415-8 Appendix A. Typically the weighted sound pressure level of the product is (L_{pA}) 85.35 dB(A). The noise level when working can exceed (L_{WA}) 96.33 dB(A). Wear hearing protection!

Vibration total values (triax vector sum) determined according to EN 60745-1:

Vibration emission value $a_h < 4.94 \text{ m/s}^2$. The vibration emission level given in this information sheet has been measured in accordance with a standardized test given in EN 60745-1 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure. The declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. This may significantly increase the exposure level over the total working period. An estimation of the level of exposure to vibration should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period. Identify additional safety measures to protect the operator from the effects of vibration such as: maintain the tool and the accessories, keep the hands warm, organization of work patterns

Technical features

	MT 320	MT 320-S
Length	14" (330 mm)	
Width	4.5" (105 mm)	
Height	6" (165 mm)	
Strap quality	PP / PET	
Sealing type	VIBRATION	
Welding efficiency	75-85% OF BREAKAGE LOAD OF THE USED STRAP	
Neck type	ROUND PACKAGE minimum diameter 28" (700 mm)	
Strap width	3/8", 1/2" & 5/8" (10 - 16 mm)	
Strap thickness	.020" to .040" (0.5 – 1.10 mm)	
Max tension	725 lbs. (330 Kgf)	370 lbs. (170 Kgf)
Max tension speed	39' min. (12 m/min)	42' min. (13 m/min)
Cycles per load	150 - 350	
Reload time	22 min.	
Battery	BATT.14,4V 4,0 Ah LI-IO SANYO CELL	
Charger	AKKU POWER BATTERY CHARGER 110 V - U.S.A.	
Weight (including battery)	8.4 lbs. (Kg. 3.75)	

MODEL TABLE

Model	Code	Strap width
MT 320 / MT 320-S	C155990822Z	3/8", 1/2" & 5/8" (10 ÷ 16 mm)

OPERATION INSTRUCTION

Before using the tools the operator must have read and understood this manual.

Installation

The user must have read and understood the present manual before starting to use the tool, carefully check the technical characteristics table to be aware of the performance and the limitations of the strapping tool you are going to use.

Serious injuries and damage to people or equipment may result if the equipment is not correctly used, if the strap is over tensioned and/or if adequate straps are not used, in relation with the product to be packaged (sharp edges, high temperatures, etc.), due to sudden sagging or breakage of the straps.

Control components

- Tensioning button (fig. 1 – 1.1)
- Seal/Welding button (fig. 1 – 1.2)
- Opening lever (fig. 1 – 1.3)
- Control panel (fig. 3)

Switching on

Insert the battery as shown in (fig.2). The tool can be switched on by one of the following three actions:

- Push the tensioning button (1.1)
- Push the seal/welding button (1.2)
- Raise the opening lever of the tool (1.3)

Tool control panel description

The control panel is composed of: 7 segment 3 digit display (fig.3 - letter A, B, C), 3 LED (fig.3 – letter D, E, F) and two control buttons (fig.3 – letter G, H).

The first digit of the display (fig.3 – letter A) indicates the tensioning force on a 1-9 scale. The second digit of the display (fig.3 – letter B) indicates the seal/welding time on a 1-9 scale (see table below). The third digit (fig.3 – letter C) indicates the residual charge of the battery on a 1-9 scale.

The three LED displays 6 different tool operating modes of functioning. For more information see the section "Operating mode setting".

The two buttons are used to scroll through the menu items, change the operating mode, tensioning force and seal/welding time settings.

Operation mode setting

The tool has three basic operating modes of functioning.

- **Manual** (fig.3 - 3.1) – The strap is tensioned by pressing the tensioning button (1.1). At the release of the button (1.1) the strap tensioning stops. To obtain the set tensioning force, keep the tensioning button pressed until the complete recovery of the strap and the consequent stop of the motor. Start the seal/welding with the button (1.2). In this operating mode there is a full control on the strapping cycle.
- **Semi-automatic** (fig.3 – 3.2) - The strap is tensioned by pressing the tensioning button (1.1). At the release of the button (1.1) the strap tensioning stops. To obtain the set tensioning force, keep the tensioning button pressed until the complete recovery of the strap and the consequent stop of the motor. The seal/welding will start automatically when the set tensioning force is obtained. This operating mode decreases the strapping time and guarantees very good strapping force repeatability.
- **Automatic** (fig.3 – 3.3) - The tensioning and the seal/welding of the strap is done automatically by pressing the tensioning button (1.1). In this operating mode it is possible to stop the strapping cycle in any instant by pressing once again the tensioning button (1.1) or pressing the seal/welding button (1.2) or raising the opening lever (1.3).

Soft tensioning – The soft tensioning can be applied on each of the basic operating modes: manual, semi-automatic and automatic. It consists in a lower speed tensioning and longer acceleration times in order to obtain lower tensioning forces. The soft tensioning is recommended when the package could be easily damaged and/or where a low tensioning force is requested. The soft tensioning is particularly suitable for a low thickness straps and/or PP straps.

Approximate tensioning force values (MT320)

	1	2	3	4	5	6	7	8	9
Normal tensioning Lbs. / (N)	280/1250	315/1400	370/1650	415/1850	480/2150	550/2450	615/2750	675/3000	730/3250
Soft tensioning Lbs. / (N)	135/600	155/700	180/800	190/850	210/950	245/1100	280/1250	325/1450	360/1600

Approximate tensioning force values (MT320-S)

	1	2	3	4	5	6	7	8	9
Normal tensioning (PET strap) Lbs. / (N)	155/700	170/760	190/850	200/900	225/1000	270/1200	300/1350	335/1500	380/1700
Soft tensioning (PP strap) Lbs. / (N)	50/230	55/250	70/310	75/330	95/420	105/460	115/500	135/600	155/700

Welding time table

	1	2	3	4	5	6	7	8	9
Time (sec)	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3

Settings

To enter the setting menu press both buttons, "SET" (fig.3 – letter G) and "+/-" (fig.3 - letter H) at the same time.

The current operating mode setting starts to blink. Use the button "+/-" (fig.3 - letter H) to modify the setting of the operating mode scrolling through the 6 possible combinations. To scroll to the tensioning force value setting, press the button "SET" (fig.3 – letter G). The digit of the tensioning force starts to blink. Use the button "+/-" (fig.3 - letter H) to set the desired value. To scroll to the seal/welding time value setting press the button, "SET" (fig.3 – letter G). The digit of the seal/welding time setting starts to blink. Use the button "+/-" (fig.3 - letter H) to set the desired value.

To exit the setting menu and save the set values, in any time, press the tensioning or seal/welding buttons or raise the opening lever.

To exit without saving, keep the control panel inactive for more than 10 seconds.

Strapping cycle

ATTENTION! Don't press the tensioning or seal/welding buttons without strap in the tool.

If the tool works without strap, the feedwheel and the seal/welding plates could be damaged.

The correct usage of the tool is the following:

Prepare the strap. Wrap the strap around the package (fig.4), keeping the end of the strap on the bottom and aligning both straps. Hold the strap in your left hand.

Strap insertion. With your right hand, open the tool raising the opening lever (fig. 5). With your left hand, insert both straps keeping them well aligned. Release the opening lever. Check the correct positioning/alignment of the straps before proceeding.

Start of the strapping cycle. Check the selected operating mode. Stay to the side to avoid possible lash of the strap due to excessive tensioning force and consequent breaking of the strap. Press the tensioning button (1.1) see (fig.6).

In both manual and semi-automatic modes the tensioning of the strap stops if the tensioning button is released. In automatic mode, the strapping cycle can be stopped at any moment by pressing the tensioning or seal/welding buttons or raising the opening lever.

ATTENTION! An excessive tensioning force could cause the break of the strap. The breaking of the strap could cause a serious injuries.

Seal/Welding of the strap. In manual mode, to start the seal/welding operation press the button (1.2) see (fig.7). In semi-automatic and automatic modes the welding cycle will start automatically when the set tensioning force is obtained.

The seal/welding cycle includes the cutting of the strap.

Opening and extraction of the tool. Wait for seal/weld to be cooled before extracting the tool. A count down on the display and an acoustic sound signals the end of the cooling time. Prematurely opening of the tool could cause an excessive loss of tensioning force and break of the seal/weld with consequent serious danger for the operator.

Raise the opening lever (1.3) and remove the tool from the strapping plane turning the back of the tool to the right (fig. 8).

Seal/Welding quality control

The seal/welding control is very important for your safety.

Correct seal/welding (fig.9-A) the entire area is to be well seal/welded, without excessive leak of mold material on both sides.

Long seal/welding time (fig.9-B) wrong seal/welding, the mold material leaks, in an excessive way, on both sides of the seal/welding zone.

The seal/welding efficiency is poor. Decrease the seal/welding time.

Short seal/welding time (fig.9-C) wrong, the seal/welding area is only partly seal/welded.

The seal/welding efficiency is poor. Increase the seal/welding time.

ATTENTION! Cut and replace straps with wrong seal/welds. Eventual break of the strap in the seal/welding area could cause serious damages.

Test, periodically, the effective seal/welding efficiency with adequate equipment (for example sending strapping samples to a specialized laboratory for a tensile tests).

Setting the correct strap width (fig. 14)

This tool can be used with PP/PET strap with width between 3/8" and 5/8" (10 and 16 mm)

To set the correct strap width, proceed as shown in fig.14.

Special functions

Checking the total number of cycles. The total number of cycles is given as a 6 digit number shown in two different screen shots, 3 at a time, from left to right. Hold the "+/-" button for more than 3 seconds. The first 3 digits are shown on the display. To show the second 3 digits, press the button "+/-".

Press once again the button "+/-" to exit. The total number of cycles could be used to plan an ordinary or extraordinary maintenance of the tool.

Checking the software version Remove the battery. Press and hold down the welding button and insert the battery. On the display appears the software version composed by 3 digits. Release the welding button to exit.

Locking the control panel Remove the battery. Press and hold down both tensioning (1.1) and welding (1.2) buttons and insert the battery. An acoustic signal indicates the lock of the control panel.

The same signal is emitted every time the control panel buttons are pressed with a locked panel.

To unlock the control panel repeat the same procedure.

Maintenance

ATTENTION! BEFORE ANY MAINTENANCE OPERATION, REMOVE THE POWER SUPPLY OF THE TOOL.

The maintenance and repair must be done exclusively by trained personnel. If necessary, send the tool, using the original packing, to the closest maintenance center.

Daily cleaning. Remove strap residue from the feedwheel and the welding unit using compressed air. It is not necessary to open the tool. **ATTENTION!** Use eye protection glasses.

Feedwheel replacement (fig. 10)

Remove the 2 fixing screws "A" of the carter "B" on the left side of the tool. Remove the carter "B".

Remove the 3 screws "C", remove the external flange "D" and the bearing "E". Replace the feedwheel "X" and if necessary, lubricate with lithium grease with density 0. To assemble the tool, repeat the described operations in inverse order. Use Loctite 243 to fix the screws.

Cutter and seal/welding plate replacement (fig. 11)

Remove the 2 screws of the carter "B" on the left side of the tool. Remove the carter "B".

Cutter replacement (fig. 11)

Remove the screw "C", remove the bushing "D" and replace the cutter "Z". Don't forget to insert the cutter spring "E".

Seal/Welding plate replacement (fig. 11)

Remove the 2 screws "F" remove the guide "G", remove the pin "H" and replace the seal/welding plate "W".

Replacing of the grippers (fig. 12)

To replace the grippers, remove the screws "A", extract the old grippers and replace them with new ones "Y".

Use Loctite 243 to fix the screws.

Error descriptions

Error code	Description	Remedy
E01	Current sensor error	Contact the assistance office
E02	Tensioning error	Contact the assistance office
E03	Not used	-
E04	Not used	-
E05	Stepper limit switch error	Remove the carter, verify the blue spring and the limit switch of the stepper
E06	Stepper switch closed	Rise the opening lever
E07	Emergency stop during the automatic cycle	Rise the opening lever
E08	Welding error	Check the motor wires connections
E09	Welding error	Check the blue spring compression, charge the battery
E10	Irregular motor rotation	Contact the assistance office
E11	Toggle mechanism opens during welding	Check the strap thickness
E12	Opening lever raised during welding	Raise the opening lever to clean the error code
E13	Memory error	Contact the assistance office
E14	Opening lever switch closed	Control the opening lever position
E15	Battery discharged	Charge the battery
E16	Motor driver check error	Contact the assistance office
E17	Motor driver check error	Contact the assistance office
E18	Overheating error	Let the tool cool down
E20	Overheating error	Let the tool cool down

TO CHARGE THE BATTERY

To charge the battery, you must pay attention to insert it in the correct position in the battery charger housing. **(picture 13)**

DISPOSAL



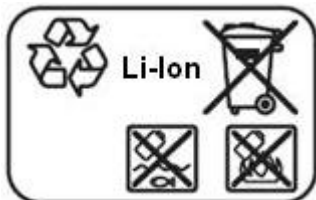
The machine, accessories and packaging should be sorted for environmental-friendly recycling.
Only for EC countries: Do not dispose of power tools into household waste!

According the European Guideline 2012/19/EU for Waste Electrical and Electronic Equipment and its implementation into national right, power tools that are no longer usable must be collected separately and disposed of in an environmentally correct manner.

Dispose or recycle in accordance with all applicable federal, state and local regulations.

Battery packs/batteries:

Li-Ion: Litium Ion



Do not dispose of battery packs/batteries into household waste, fire or water.

Battery packs/batteries should be collected, recycled or disposed of in an environmental-friendly manner.

MAILLIS STRAPPING SYSTEMS - USA

M.J. MAILLIS GROUP

Certificate of Warranty

Every strapping tool supplied by our company, is warranted for a period of 6 months starting from the date of shipment stated on this certificate. During the warranty period, our company will provide, free of charge, the labor and all parts proven to be defective by reason of faulty workmanship or materials which may compromise the normal tool usage. The decision of our service technicians on all matters relating to a tools repair shall be final. Any servicing of defects or repairs will be carried out in our Service Center at the following address:

***Maillis Strapping Systems - USA
404 Wall Street
Fountain Inn, SC 29644***

Tools or parts to be repaired or replaced are to be delivered to our address at care, charge and risk of the customer; Maillis Strapping Systems - USA will pay the return shipping charge.

Our warranty shall not cover items that our technicians find to have defects that are due to lack of maintenance and/or misuse.

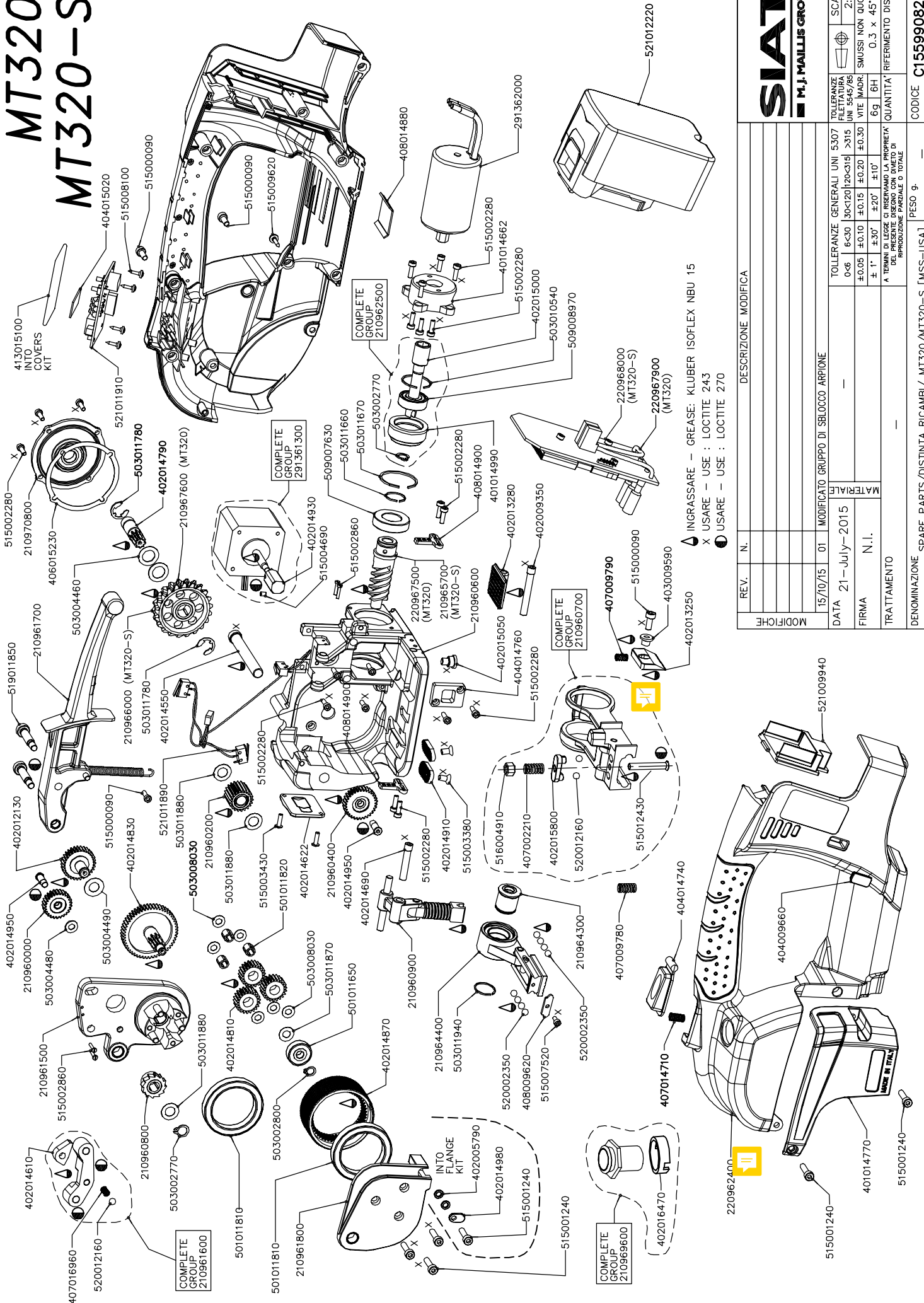
Our warranty shall not apply to all parts subject to normal usage wear.

This warranty supersedes all other warranty or guarantees whether written, verbally expressed or implied.

Effective Date

Service Technician (signature)

MT320 MT320-S



▲ INGRASSARE - GREASE: KLUBER ISOFLEX NBU 15
 X USARE - USE : LOCTITE 243
 ● USARE - USE : LOCTITE 270

REV.	N.	DESCRIZIONE MODIFICA
15/10/15	01	MODIFICATO GRUPPO DI SBLOCCO ARPIONE
MODIFICHE DATA 21-July-2015 FIRMA N.I. TRATTAMENTO -		
TOLLERANZE GENERALI UNI 5307 TOLLERANZA FLETTATURA UNI 5545/85 VITE /MADR. SMUSSI NON QUOTATI 6g 6H 0.3 x 45° A TERMINI DI LEGGE CI RISERVIAMO LA PROPRIETA' DI RIPRODUZIONE PARZIALE O TOTALE		
DENOMINAZIONE SPARE PARTS/DISTINTA RICAMBI/ MT320/MT320-S [MSS-USA]		
PESO 9: -		CODICE C155990822Z

M. J. MAILLIS GROUP

SPARE PARTS LIST / DISTINTA RICAMBI / MT320 & MT320-S -- Upd. 04/2016

CODE	Q.TY	DESCRIZIONE	DESCRIPTION	
210960000	1	RUOTA OZIOSA FLANGIA	KIT BEARING GEAR WHEEL	
210960200	1	KIT INGRANAGGIO DI NON RITORNO	ONE WAY CLUTCH GEAR	
210960400	1	KIT RUOTA OZIOSA TELAIO	KIT BEARING GEAR WHEEL	
210960600	1	ASSIEME TELAIO MT-320	MAIN FRAME KIT	
210960700	1	GRUPPO SUPPORTO CARRELLO	CARRIAGE SUPPORT KIT	
210960800	1	KIT RUOTA ARPIONE	KIT BEARING GEAR WHEEL	
210960900	1	GRUPPO COMPLETO PRESSORE	TOGGLE MACHANISM	
210961500	1	GRUPPO FLANGIA DI TRAZIONE INTERNA	TRACTION FLANGE KIT	
210961600	1	GRUPPO SBLOCCO ARPIONE	PAWL KIT	
210961700	1	GRUPPO LEVA DI APERTURA	OPENING LEVER KIT	
210961800	1	GRUPPO FLANGIA ESTERNA	EXTERNAL FLANGE GROUP	
210964300	1	KIT ECCENTRICO LUNGO CON RUOTA LIBERA	LONG ECCENTRIC WITH ONE WAY BEARING	
210964400	1	GRUPPO SALDATURA (3 CUSC.)	SEALING GROUP (TRIPLE BEARING)	
***	210965700	1	KIT VITE SENZA FINE (SUPERSOFT)	WARM KIT (SUPERSOFT)
***	210966000	1	KIT MADRE VITE (SUPERSOFT)	WARM GEAR KIT (SUPERSOFT)
***	210967600	1	KIT CORONA ENHANCED MT 320	MT320 ENHANCED WARM GEAR KIT
	210969600	1	KIT PULS. SALDATURA CON GHIERA	WELDING BUTTON GROUP
	210970800	1	KIT COPERCHIETTO RIDUTTORE MT/GT	MT/GT REDUCER FLANGE GROUP
	220962400	1	GRUPPO GUSCI DX E SX	COVER GROUP
***	220967500	1	KIT VITE SENZA FINE ENHANCED MT 320	MT320 ENHANCED SCREW KIT
***	220967900	1	GRUPPO SCHEDA CON DISSIP. (MT 320)	CPU BOARD GROUP (MT 320)
***	220968000	1	GRUPPO SCHEDA CON DISSIP. (SUPERSOFT)	CPU BOARD GROUP (SUPERSOFT)
	291361300	1	KIT COMPLETO ATTUATORE LINEARE HYDON	COMPLETE KIT HYDON LINEAR ACTUATOR
	291362000	1	GRUPPO MOTORE CON PIGNONE	MOTOR WITH PINION KIT
	401014662	1	FLANGIA MOTORE	MOTOR FLANGE
	401014770	1	CARTER LATERALE ESTERNO	LATERAL COVER
	401014990	1	BOCCOLA PORTACUSCINETTO	BEARING SUPPORT
	402005790	2	RANELLA GUID. ANT. SP. 1,5 mm.	WASHER ANTERIOR THK. 1,5 mm.
	402009350	1	PERNO PIASTRA OSCILLANTE	MOVING SEALING PLATE PIN
	402012130	1	INGRANAGGIO DI NON RITORNO	ONE WAY GEAR
⌀	402013250	1	LAMA	BLADE
⌀	402013280	1	PIASTRA OSCILLANTE DI SALDATURA	WELDING PLATE
	402014550	1	PERNO DI BASCULAGGIO	PIN
	402014610	1	ARPIONE MT/GT (TOOL 14,4V)	MT/GT (TOOL 14,4V) PAWL
	402014622	1	COPERCHIETTO FRONTALE	FRONTAL COVER
	402014690	1	PERNO DI BASCULAGGIO PRESSORE	PIN
	402014790	1	PIGNONE DI TRASMISSIONE	PINION
	402014810	3	INGRANAGGIO PLANETARIO	PLANETARY GEAR
	402014830	1	SOLARE ULTIMO STADIO	LAST STAGE SUN GEAR
⌀	402014870	1	RULLO TRASCINAMENTO	FEEDWHEEL
⌀	402014910	2	GRIPPER	GRIPPER
	402014930	1	PISTONCINO ATTUATORE	ACTUATOR PISTON
	402014950	2	PERNO RUOTA OZIOSA	PIN
	402014980	1	GUIDAREGGIA ESTERNO	EXTERNAL GUIDE
	402015000	1	ALBERO DI TRASMISSIONE	SHAFT
	402015050	1	PERNO MOLLA SOLLEVAMENTO CARRELLO	CARRIAGE SPRING PIN
	402015800	1	FORCELLA - PRESSORE SFERE	SPHERE PRESSING PLATE
	402016470	1	GHIERA FISSAGGIO PULSANTE SALDATURA	WELDING BUTTON FIXING GEAR
	403009590	1	BOCCOLA GUIDA CESOIA	CUTTER GUIDE SPACER
	404009660	1	TAPPO CONN.PROGR.DIGIT POWER	DIGIT POWER PROGR. LINK COVER
	404014740	1	PULSANTE DI TIRO	TENSIONING BUTTON
	404014760	1	BOCCOLA GUIDA	PISTON GUIDE
	404015020	1	VETRINO DISPLAY	DISPLAY COVER
	406015230	1	GUARNIZIONE COPERCHIO MT-320	MT-320 COVER GASKET
	407002210	1	MOLLA PRECARICO	LOAD SPRING
	407009780	1	MOLLA SOLLEVAMENTO	LIFT SPRING
	407009790	1	MOLLA CESOIA	CUTTER SPRING
	407016960	1	MOLLA DI SPINTA ARPIONE (14/18 V)	PAWL COMPRESSIONING SPRING (14/18 V)
	407014710	1	MOLLA PULSANTE	BUTTON SPRING

