

AE 612 MKI AE 616 MKI

OPERATOR AND PARTS MANUAL

HMI Password : 12345678



Some of the options described in this manual may not apply to your equipment

Operator and parts manual - 2013



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1 MANUAL PREFACE - Machine Identification

This Manual will provide operating instructions, parts listing and schematics for the AE MKII labeling head built by Nita Labeling Equipment, Inc. The information contained in this manual will help the user in his/ her operations, troubleshooting and maintaining the machine in good operating condition.

Information, illustrations and specifications contained in this manual are based on the latest product information available at the time of this manual release. Nita Labeling equipment, Inc. reserves the right to alter and substitute information contained herein at any time.

This equipment is intended to be used only as described in this document. NITA Labeling Equipment, Inc. cannot be held responsible for the improper use of the machinery as is outlined in the document herein. Liability for any personal injury, loss of production or revenues, or property damage caused by the use of this manual in the context of maintenance; operation, or repair of the equipment is in no way assumed by NITA Labeling Equipment, Inc. Anyone using a procedure not recommended by the end user should first completely satisfy himself/herself that personal safety and equipment integrity will not be jeopardized in the method selected.

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While every precaution has been taken in the preparation of this manual, Nita Labeling Equipment, Inc. assumes no responsibility for errors or omissions. Neither is any liability assumed for damages, loss or production, or revenues resulting from the use of the information contained herein

2 CERTIFICATION APPROVALS

All the NITA systems mentioned in this manual conform to the following certification ensuring quality standards.

Standard 73 from Underwriter's Laboratory (UL) Standard C22.2 no 68 from Canadian Standards Association, (CSA) Tests and certification have been executed and allotted by UL and CSA mandated firm by the name of Intertek and bare the certification markings ETL. FILE IDENTIFICATION NUMBER: 318227







AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

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Control Nun	nber:	Authorized by:		
		_	Willia	m T. Starr, Certification Manager



This document supersedes all previous Authorizations to Mark for the noted Report Number.

This Automation to Mark is the the exclusive use of interest's Client and is provided pursuant to the Certification spreement between interest existing of Client, Interest's responsibility are liability are liability are liability are liability and liability and liability are liability and liability are liability and liability are liability and liability and liability are liability and liability and liability are liability and liability are liability and liability are liability and liability are liability and liability and liability are liability and liability are liability and liability are liability and liability are liability and liability are liability and liability and liability are liability and liability are liability and liability are liability and liability and liability and liability are liability and liability are liability and liability are liability and liability and liabi

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Standard(s):	UL 73 - Motor-Operated Appliances-Ninth Edition; Revisions Through and Including 12/03/2008 CSA C22.2 no. 68-92 (R2004) - Motor-Operated Appliances
Product:	Labeling Systems
Models:	XP with suffix, JOUST, SS, Lance, AE612-MKII and ST-616

ATM for Report 3176075MTL-001

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3 WARNINGS AND CAUTION INFORMATION

Machine use disclaimer

This equipment must NOT be used for the purposes other than for which it has been supplied to the customer under the purchase agreement and reflected in the quotation provided to the distributor or end user prior to purchase. Failure to use the equipment for the purpose described in this manual nullifies any warranty claim or injury claim that could arise as a result.



Safety

Be certain that the operators and maintenance personnel read this manual before attempting to operate perform maintenance or service to this equipment. Failure to follow these instructions could possibly result in serious personal injury, and cause damage to the equipment, or its components. Recognize safety symbols, words, and labels. Warning and Safety Instructions appearing in this manual are not meant to cover all possible conditions and situations that can occur. Common sense, caution, and care must always be exercised when installing, maintaining, servicing or operating this equipment.

The AE MKII series is engineered to feed and apply labels on your products. In designing this device, NITA valued personal safety; however we would like to draw your attention to the following safety acknowledgments.

WARNING	Hazards or unsafe practices, which COULD result in severe personal injury or death
CAUTION	Hazards or unsafe practices, which COULD result in minor injury
CAUTION	 The presence of safety systems in these units does not exempt the operators to act cautiously, avoiding behaviours that could endanger their health or the equipment. These models are engineered to feed and apply labels on your products. In designing this device, NITA valued personal safety; however we would like to draw your attention to the following safety acknowledgments: Operators should know the basic operations and setup procedures before operating this equipment.
	 Safe operations should be maintained at all times. Know the location of E-stops and power switches prior to operating machinery such as this.
WARNING	To reduce risk of fire, electrocution or other personal injury when operating or maintaining the AE MKII, follow basic safety precaution, including the following:
	• This equipment must have an operator attending the machine at all times to monitor the operations at all times. Do NOT leave this equipment un-attended during maintenance or perform any maintenance on the equipment unless the E-Stop condition has been activated or power turned off.
	• The electrical power to this device is 120 Vac, 1 Phase, 60 HZ, and 5 Amps. While installing, make sure the electrical cord (supplied without a connector plug) is properly configured and connected by a qualified electrical technician.
	• Do not bypass any of the safety circuits or safety features designed into this equipment.



	 ALWAYS turn off the power before performing any repairs. The control box door must always be closed as well as the stainless steel back panel cover of the label head. Do NOT remove this back cover label when machine is under tension (plugged in).
CAUTION	To reduce risk of fire, electrocution or other personal injury when operating or maintaining the AE MKII, follow basic safety precaution, including the following:
	• This device is built to perform in humid conditions, but <u>must not</u> be pressure washed. In case of wash down conditions, it is recommended to cover with a plastic wrapping or Nita's optional head cover. It is always best to remove the system from the wash down environment temporarily and return it afterwards. The use of compressed air and wiping down the device is the recommended cleaning method.
	• This equipment is designed to function in automatic mode. Do NOT stand, sit or allow any personnel to be within reach of Tamp cylinder activation.
	 Report any malfunctions, or problems with the equipment to qualified maintenance personnel for any repairs or adjustments that may be required.
	• For devices equipped with a pneumatic air cylinder, you must first shut- off the air supply to the device in order to change label roll (or perform all set-up operations).

CAUTION	For systems containing conveyors, you must be vigilant with loose clothing or bodily parts as they can get caught in the conveyor's belt or chains as direct injury or death can incur. DO NOT use the conveyor as a working platform or walkway.
	TUCK IN ANY LOOSE CLOTHING. DO NOT WEAR TIES, PENDANTS, JEWLERY OR ANY OTHER ARTICLE OF CLOTHING OR ACCESSORY THAT MAY GET CAUGHT ON ANY PORTION OF THE SYSTEM

4 PRODUCT INTRODUCTION

Thank you for choosing NITA. The AE MKII labeling head is the product of many years of research and development. Its compact and robust design truly accentuates its versatility in a multitude of applications. The AE MKII labeling head ensures constant precision and repeatability in a virtually maintenance-free operation. Being built with high grade anodized aluminum and stainless steel ensures that it provides multiple long-lasting benefits in a hostile and humid environment. Its open design, controlled by a servo motor and drive as well as an

HMI touch screen operator interface, offers great flexibility suited to handling the most demanding labeling applications. In certain cases the labeling head is sold as a stand-alone unit while other times it is incorporated onto a T-base stand. In this case, the caster wheels have already been added to the T-base foot stand in order to facilitate the transport its final destination. Generally the equipment comes crated to avoid any damage. The crate should be transported with a pallet (skid) remover.

It is also possible that you have received your equipment without any T-base stand. See the dimensions of your equipment in the section "Machine identification". Some pictures may be expressed in this manual using labeling heads on these said systems and may not totally reflect your configuration, although the labeling is completely the same.

It is also possible that you have received the AE MKII labeling head without any stand. The dimensions below reflect the AE MKII labeling head as head only unit.

MODEL	AE612 label applicator
Physical Dimensions	L 36" x H 23" x D 20 "
Power Requirements	120 Vac 5 Amp, 50/60 Hz, 1 phase
Air Requirements	Only with Tamp blow 95 Psi/ 3 Scfm

* WEIGHT = 45 LBS WITHOUT STAND

A labeling head is generally used to apply pressure sensitive labels onto boxes, cartons, plastic, glass containers or magazines as well as more hardware type products or can also be metal as well as wood products. It is commonly used in almost every sector of manufacturing.

A labeling head can be a stand-alone machine and does not require the use of a computer or label software program in order to perform its operations. It is generally built to automatically dispense one label at a time, having different media roll widths and can only run to the maximum speed determined by its components, which in this case is 1570 inches / minute. It generally receives a signal from a product sensor to allow the dispensing of a label onto a specific product.



4.1 Overview - Getting to know the labeling head



4.1.2 AE616MKII





4.1.3 AE612 TAMP BLOW



5910014A(MANUAL- AE-612 - GENERAL VIEW AE-612 MKII TAMP BLOW LEFT HAND (DEC 12))



4.1.4 AE612 VERTICAL FORM FILL & SEAL (VFFS)





4.2 **DIMENSIONS**



59100114(MANUAL- AE-612 - GENERAL VIEW AE-612 MKII L.H. ON T-BASE & LATERAL AJUST (OCT 12))



4.2.1 STAND ALONE LEFT HAND WITH U ARM AND T STAND



5910013A(MANUAL-AE-612 - GENERAL VIEW AE-612 M KILLH. ON T-BASE & U-ARM (OC T 12))



4.2.2 STAND ALONE RIGHT HAND WITH U ARM AND T STAND





4.2.3 STAND ALONE LEFT HAND WITH LATERAL ADJUSTMENT AND T STAND



5910010A(MANUAL- AE-612 - GENERAL VIEW AE-612 MKII R.H. ON T-BASE & LATERAL AJUST (OCT 12))



4.2.4 STAND ALONE RIGHT HAND WITH LATERAL ADJUSTMENT AND T STAND



5910011A(MANUAL- AE-612 - GENERAL MEW AE-612 MKII L.H. ON T-BASE & LATERAL AUST (OCT 12))



5 SHIPMENT RECEPTION (uncrating)

For shipping purposes, the T-base foot stand and the labeling head are crated together. This avoids any damage to the device as well as protects the adjustment settings allowing for a very stable product once installed in its final destination.

The crate is generally pop-nailed together and can be taken apart by using a simple hammer or a nail crowbar. Proceed in removing the side wood panels from the crate and work your way inward.

	WARNING	Always be vigilant while using any tools as they can result in bodily injury.
--	---------	-------------------------------------------------------------------------------

Positioning and caster wheels

Once the labeler is wheeled in proper position, you can proceed in locking it down and leveling the peg legs. Next, screw the leveling pads CW to move peg leg upwards into the T-base and CCW to move the peg leg out towards the floor. Set as desired. It is recommended that this equipment be used on its leveling pads during operation. Use the caster wheels ONLY to move the stand from one area to the next when not in use.





6 SYSTEM SETUP

6.1 Vertical Up/Down adjustment

For height adjustments: The system is equipped with ratchet type handles. Lift the handle with the orange center by pressing down on the center to access the unlocking mechanism of the handle. Loosening this ratchet handle will allow you to unlock the up/down movement. Next, using the top handle turn it CW to raise the label head and CCW to lower the label head. Use the ruler to obtain perfect positioning as per your requirements.

Once in desired position, proceed in locking the handle once more by tightening and using the orange button to enable CW rotation of handle. Rulers make it easy to position in same area time and time again.



Lock/unlock adjustment







6.2 Labeling head POSITIONING adjustments

REMEMBER that Nita provides anodized coloring for any adjustments. A part anodized in red color indicates a crucial adjustment directly linked to the application of the label. Whereas a Blue color anodized part indicates a possible adjustment point. The labeling head is attached by either a U arm bracket mount (allowing a pivot) or a lateral mount adjustment (which allows for the lateral displacement over a conveyor). This support provides the first degree of freedom, thus a vertical movement. This mount is generally fixed on a horizontal pole called the T-base stand. On the side of the T-base stand, you will notice that there are gradient rulers. This allows the operator to properly identify the positioning of the labeler in order to reach optimum positioning results with respects to the product.

6.2.1 Lateral adjustment

The lateral adjustment is a shaft that runs through the labeling head and is identified by a red anodized knob (seen below). It is used to slide the labeling head across the product (across the conveyor) in order to better position the label on the product without having to physically move the entire stand on which the labeler sits. In order to be able to use this lateral adjustment, you must first locate the locking ratchet handle; it is the one with the orange center (on the underside of the labeling head).





Pull on the handle to access the unlocking mechanism, turn it CCW to loosen. Turn the red anodized knob (lateral adjustment) CCW to move the labeler closer to you or CW to move further away from you. Use the ruler to obtain perfect positioning as per your requirements and save its value as a recipe setting in the HMI touch screen. (see the recipe section)

6.2.2 Angle adjustments

The labeler head is factory angled for optimized use but can be adjusted as desired. To achieve this, you will need an adjustable wrench to un-screw the big nut on the backside of the labeler. Unscrew the nut slightly, position the labeler and re-fasten the nut. It is recommended that the downward angle not be more than 89 degrees to the T-Base pole.





WARNING(NB this is usually a two person job), One person moves and holds the labeler
in desired position while the other secures the nut.

There is also a 1 ¼ inch bolt on the back of the labeler head holder. By unscrewing this large bolt slightly, you will notice that the adjustment of the angle is possible up to 90 degrees. The angle of the labeling head can be adjusted as desired. It is recommended that the downward angle not be more than 89 degrees to the T-Base pole. To achieve this, you will need an adjustable wrench to un-screw the big nut on the backside of the labeler. Unscrew the nut slightly, position the labeler and re-fasten the nut.





A good adjustment is when the exit of the label is at a 15 to 20 degree angle against the surface of application.

6.2.3 Peel plate angle adjustments

The peel plate is also angle adjustable. Use the locking ratchet handle to loosen the peel plate, place the angle as desired and re-fasten it.

HINT: A good adjustment is when the exit of the label is at a 15 to 20 degree angle against the surface of application





6.2.4 Labeling head mount

When an application calls for the side labeling of a box or other object and the labeller is used as a stand-alone device (without the Nita conveying system), the labeller needs to be flipped to a horizontal mode. This is achieved by using the mount. It is called a U-arm because of its shape. It will allow for pivoting and tilting of the labeling head. There is one channel on either side of the U-arm with a pin emanating from the labeler head that fits within the channel as seen below.

CAUTION	The presence of safety systems in these units, do not exempt the operators to act cautiously, avoiding behaviors that could endanger their health or the equipment.
	NITA RECOMMENDS being two people for this in order to avoid injuries

Simply use an adjustable wrench to loosen the screw (slightly) on either side of the frame and lift the labeling head to its desired position then re-fasten both screws.





To adjust the tilt, unscrew the main nut on the back of the frame using an adjustable wrench to loosen the screw lightly and then tilt to desired location and re-fasten the nut



To adjust the angle or rotation of the labeller head (when equipped with the holder), slightly loosen <u>one</u> of the two Allen screws on either side of the labeler's bracket, position it to the required angle and refasten the screws (be careful!).





6.3 Loading & unloading the label stock roll



CAUTION

To avoid injuries, you must keep the unit in MANUAL mode!

Look carefully at the diagram and follow the threading procedures indicated below.

You will also find the threading diagram directly on the Label applicator head as well as a quick reference

1) Place the label stock roll on the label support cylinder. Make sure that the stock roll is well secured



- 2) Pull approximately 36 inches of stock from label stock roll.
- 3) Follow the webbing diagram as shown in this manual or on the ID plate of the device itself.





4) For different label widths, slide the guides on the rollers to avoid label swirling. Do not move the guides closest to the main plate, these are the zero point.



5) Release the spring-loaded tension plate by gently pulling the lock.





- 6) Feed the label stock under the peeler bar rollers
 - Peeler bar rollers



7) Release the pressure on the feed roll by pulling the door and then feed the label stock. Close the door when done.





- 8) Wind the label stock on the re-winder and lock it in place with the u-shaped hook.

9) Loading and unloading the re-winder

Release the u shaped pin by simply turning the wheel counter clockwise and gently pulling away at the U-pin. You can now remove waste. To reload the pin, place the pin into slot with the flat portion of pin guided throughout the core and simply twist clock wise into the rounded slot to lock down.

PRACTICAL HINTS:

Set the machine in manual mode, this will avoid any undesired signals from the product sensor.

To avoid labels from sticking to the drive roll, **do not override label on the peel bar**.

Turn CCW and gently pull the hook to remove the waste on the re-winder roll

Label threading and machine components

Look carefully at the diagram and follow the threading procedures indicated below. You will also find the threading diagram directly on the Label applicator head as a quick reference.





AE616MKII



6.4 Connectivity and labeler head manual feed control button

On the side of the labeling head, you will find:

A manual feed button (which is also found on the HMI touch screen).

Two inputs are also present. One is for the gap sensor which detects the GAP between the labels and provides proper dispensing of labels. This may also be a sensor that can read black marks. The other input is for the product sensor.





6.5 Setting the Label GAP sensor

6.5.1 Standard GAP sensor – for Opaque labels Tritronic model # LER



Normal Label Opacity Autoset[™] Button

This category includes most paper or metallic film labels adhering to paper or transparent backing materials. To implement the one button Autoset routine, utilize the external alignment guides to position the gap between labels in line with the dot shown in the center of the detection zone.

Then push the Autoset button marked "Normal". An alternative set up procedure would be to remove a label and the push the "Normal" Autoset button.

This is why we recommend setting up the sensor with the actual "gap" between the labels properly positioned. On rare occasions, when the light is unable to penetrate the backing materials, both the red and green LED indicators will blink four times. When this indication occurs, the sensor will be unable to detect the presence of the labels.

Translucent Label Opacity Autoset[™] Button

This category includes translucent labels adhering to transparent backing materials. This sensor can detect transparent labels adhering to transparent backing materials. The question is how close to transparent can the labels be and still be detected? There is no definitive answer to that question.

To determine if detection of a translucent label adhering to transparent backing material is working try the following:



<u>Autoset procedure</u>: First utilize the external alignment guides to position the gap between labels in line with the dot shown in the center of the detection zone. Then, push the Autoset button marked "Translucent". The next step is to move the web so that the translucent label goes in and out of the light beam. If detection is possible, the red LED output indicator should go on when the label passes through the detection zone.

INVERT OUTPUT: The status of the red LED and output transistors can be inverted by pressing both buttons simultaneously. When the output status has been inverted, the red LED and the output transistors **will turn off when the label comes into view**.

6.5.2 GAP sensor for transparent label Tritronic Model # CLS

Sensor overview:



Calibration procedure:

- 1) Put the backing material only and press and hold Autoset/GAP for 2 seconds
- 2) Put the backing material with the label, press and hold Autoset/Label for 2 seconds



6.5.3 GAP sensor for transparent label SICK Model # UF3

The ultrasonic fork sensor is tasked with the safe detection of totally different labels on totally different carrier materials. High positional accuracy and stable response times make the fork sensor universally applicable.

Adjustment of the switching point in "light-switching" mode: switching output Q is active if the carrier material is detected between the labels (gap detection).

Position label between the active surfaces of the fork sensor (see arrow on sensor). Adjust with "-", or "+" until the switching output indicator is safely off.

Position carrier material in the active area of the fork sensor. The switching output indicator (yellow) must light up again; if this is not the case, increase sensitivity with the "+" button until the switching threshold is correctly adjusted.



If necessary, adjust the switching point slightly in the other direction.

Sensitivity setting

Slow setting: Press "+" or "-" button once, LED (red) lights with each button hit. Fast setting: Press "+" or "-" button permanently, LED (red) flashes after 2 seconds.



Light-/dark-switching



Press "+" and "-" buttons simultaneously for 6 seconds, LED (yellow) changes status, and the LED (red) flashes slowly. Release "+" and "-" buttons.

Locking the buttons



Press "+" and "-" buttons simultaneously for 3 seconds, button lock is enabled/disabled. Locking the buttons: The red LED goes off after 3 seconds, release "+" and "-" buttons, LED (red) lights permanently. Unlocking the buttons. The red LED lights after 3 seconds, release "+" and "-" buttons, LED (red) extinguishes.



6.5.4 GAP Sensor calibration - Quick procedure – SICK Model UF3

Begin by making sure that the sensor is in UN-LOCK mode. You will be able to observe a red LED on the sensor when it is locked. To unlock, press and hold both the + and -buttons simultaneously for 3 seconds. The red LED will turn off and will re-light, once it has done so, release the buttons, the red LED will remain off which will indicate the unlocked mode. Proceed with calibration.

- 1) Remove a label from its liner (carrier media)
- 2) Place the empty portion of the liner between the ultrasonic forks

NOTE: The liner must rest on the lower portion of the sensor as seen below



3) (one of two scenarios will happen, the orange LED will either shine or not)

If the LED shines...Press the minus (-) button until the LED turns off, Next press the (+) until the LED shines again. This gives you the TRUE signal

If the orange LED is not lit, press the (+) until the LED shines again. Now you obtain the TRUE signal.

Each time you press the (+) button you will notice that a red LED shines. This is to confirm that you are indeed pressing the (+) button

4) Press on the (+) button approximately 15 times to obtain a happy medium.



You can verify the calibration by manually showing the liner with the label to the sensor as seen above. When it is calibrated properly you will see the orange LED light illuminate when the sensor passes over the GAP section.

6.5.5 GAP sensor calibration - CLEAR label - Quick procedure Di-Soric Model # KSSTI 1000 (Capacitive - Black)

- 1) Press teach key and hold for 2 sec.
- 2) The LED on the sensor will flashes
- **3)** Pull the label thru to the slit of gap sensor and pass at least 2 labels.




6.6 **Product sensors**

The product sensors are each connected to the electrical box via the input slot. Ideally when installed on the bracket correctly, the sensitivity of the optical beam is reflecting off the reflector. Too sensitive and the sensor will not reach the reflector.

To ensure that the proper sensitivity is obtained:

Make sure that the sensor beam is aligned with the reflector on its opposite side of the product.

- 5) To adjust, use the sensitivity adjustment to control the detection distance of your beam. Turn the adjustment (CCW) (see drawing) until the LED turns off.
- 6) Turn the adjustment (CW) slowly until the LED lights up again.
- 7) Continue turning CW for an additional ½ turn.
- 8) Check the calibration by simply placing your hand between the reflector and the sensor. The beam should be broken and the LED light should turn off. If this is the case, the sensor adjustment is set.





<u>HINT:</u> By hand, allow the product (empty in the case of a clamshell) resting on the conveyor to pass in front of the sensor reflector at a low speed and confirm that the sensor LED stays off all through the passage of the clamshell.



7 HMI – Getting to know the HMI touch screen – Operator interface

What you need to know about the HMI (human machine interface)

PLEASE READ CAREFULLY

The HMI operator interface allows you to:

- Adjust your equipment for various products, (speeds, gradient ruler positions, etc...)
- Get feedback about the process as well as the problems incurred
- Get a global control of the equipment.

It is a smart interface that allows you to touch the screen for you to change the parameters without the use of a computer. There are many small menus or windows that allow the system to run more efficiently. Some screens or menus require a password in order to allow only authorized personnel to change parameters. **The initial password for the operator to begin using the HMI immediately is 12345678.** Here then is an outlook of the screens, an explanation for each and their roles.

7.1 Start up screen

The system will turn on when you turn the main power switch clockwise. (BIG, black dial-like knob located on the front of the electrical box). The opening screen (Nita's coordinates & logo) will appear. Use the provided stylus pen and press gently to avoid damaging the screen. Common sense must apply.

Press the 'Press to start' key to begin.



General info on how to proceed

NOTE: ANYTIME YOU SEE A QUESTION MARK ON THE SCREEN





The question mark (?) keys lead to a 'help' screen which provides a brief explanation or tips on the adjustment method of the specific setting. This helps to minimize the time taken to make adjustments.

The different functions on all the screens are activated by a simple touch of the keys on the screen. Almost each screen has these keys. Press either to navigate from screen to screen



7.2 Main menu screen

	REC	IPE 1	
	AUTO MAN FEED	CAL IBRATE	
	OFFSET]	
	Normal	RULER VALUES	
	GENERAL SETTINGS	ADUANCED SETTINGS	
HT4	10 Beijer	문문 ●	0

The top center key indicates that the product is currently in use. You can press on it to select a different product or recipe as well as use this to edit or save a new recipe (see recipe section of this manual) The next key allows you to activate the manual or the automatic mode.

In manual mode: you will need to manually press the feed. Each time feed is pressed the label is triggered to shoot. Manual modes are generally used when we would like to troubleshoot or set–up a new product.

In Automatic mode the product detection gets done automatically and the label gets the trigger signal to shoot whenever a product passes in front of the sensor's beam.

It is often very practical to work in manual mode to perform the placement of the machine as well as the position of the sensor with respect to the product during start up and set up of new products. Once your physical settings are done, you can return to automatic mode (See parameter adjustment text below).

The **OFFSET** button allows for you to regulate the positioning of the label on the peel plate with the offset allotted (more or less flag)



NORMAL / 3 Panel: allows the selection from tri-panel to normal mode. Here is the difference between the two modes



General settings: for adjustment of time, language, passwords, screen brightness, contrast.

Advanced setting: internal parameters for the system must only be changed or modified by qualified technicians. These are password protected

Ruler values will indicate the values of your gradient scales setting as entered for each product recipe. This optimizes set up and saves time.

Calibrate: allows for the label to always end at the peel plates edge. You will need to press "calibrate" after each roll change or after an alarm.

Reset initialises the counter to zero

ļ	####	
	RESET	



7.3 The threading schematic can be obtained by pressing the label roll icon on the top of the screen. For more information also refer to the threading diagram in this manual.



AE612MKII Left & Right Hand



AE616MKII Left & Right Hand









7.4 RULER VALUES

Contains the settings or recipes (in millimetres) pertaining to the manual adjustments to be performed by the user for each of the products you have in memory and the new ones to be added. Instead of having a spread sheet, you simply enter the information here, save it and recall it whenever required.

This screen helps to reduce the time taken when making required adjustments or changeovers. To change any of these settings (password protected) just click on the square at the right of the letter to be changed (you will need to enter your password or ask someone with access to change these). To save the new settings follow the saving procedures explained in section: Save Screen.





7.5 Offset screen

Two screens are possible, one with systems having an encoder and one without.

They will, in both cases, have the same functions except that with the encoder the label can be controlled in length whereas without the encoder the label position is controlled in time

7.5.1 Without encoder



SPEED:

The first setting is for the label dispensing speed. This speed should be the same as your conveyor speed. You can change the speed by either using the arrows or simply press in the middle of the icon to enter a desired value.

Label Flag:

This is only used when labeling in 3 panel mode.

In normal mode this value should always be ZERO.

<u>In 3 panel mode</u> the value to be entered here should be equal to the flagging length required to apply the label on the two first sides of the container (or in the case of a "C-shaped application", the bottom portion and the front, in millimeters). To give more flag, augment the value being careful not to enter a value that is greater than the overall length of the entire label. If you overflag the label, a LABEL OUT error will be seen.

LABEL OUT ERROR, when you get this error, simply press reset or refer to LABEL OUT section of this manual.



Label position on product:

This is measured in time. This value should reflect the time elapsed between the moment where the product is detected by the product sensor and the moment where the label begins its application feed. Never moving the sensor AGAIN, this setting will allow the product to always be positioned in the same location on the product when you recall the recipe from memory at a later time.

It is recommended to keep the product sensor <u>as close as possible</u> to the peel plate and to never to move it again to avoid label positioning errors.

The arrow pointing to the next screen will allow for adjustments in 3 panel mode where you will be able to enter the end of dispensing time delay.

This screen has 2 possible settings.

End of dispensing delay in MS (milliseconds):

This is for the flagging of the next label after the first one has been dispensed. The lower this value, the faster your throughput will be. BUT this delay must be long enough to allow the container to fully pass through the label application zone before a next label is fed.

HINT: if you are getting 2 labels on the same container, this value needs to be higher.

Distance Gap to peel plate:

This corresponds to the distance between the label Gap sensor and the peel plate's edge. On the drawing below we can clearly see that the distance is 200mm, therefore the value to be entered should be 200. The distance value may change if the angle of the peel plate has been moved. In this case you can compensate on a case by case basis or re-save with the new values. (Suggestion: it would be better to compensate if you intend on moving this angle often OR make a reference mark for your peel plate angle as a reference for the next time you use the same container).





NOTE: This value may change from one label to the next and therefore must be saved for each recipe

As of this point, it would be a good idea to save the product recipes. Do this by using the left arrow to navigate two screens back and then pressing on the recipe icon. (See « saving recipes » section further in this manual.



7.5.2 Offset screen (with encoder)

MAN FEED PRODUCT SENSOR TRAILING ¢ LEADING • HT40 Beijer

AUTO

Label Flag allows for the label positioning. <u>In Normal mode</u> this value should be equal to Zero as long as the label has a straight edge (square or rectangle). IF not, you must add a Gap offset value. This value will correspond to the distance between the peel plate's tip and the edge of the next label (after having pressed Calibrate). Note: *Values are in millimeters.*

In 3 Panel mode however, it is very useful to set how much flag we need for the label to cover two panels. To give more flag, augment the value being careful not to enter a value that is greater than the overall length of the entire label. If you overflag the label, a LABEL OUT error will be seen.

LABEL OUT ERROR, when you get this error, simply press reset or refer to LABEL OUT section of this manual.

Label position on product: corresponds to where the label should be on the product with relation to the beginning (or edge) of the container

See layout below





As per this example, the value should be entered as 30.

Product length: This is only used when working in tri-panel mode. For a round product this value should correspond to its diameter. This value allows for the container to clear the path of the product sensor before flagging the next. You can modify or enter a value of the product length by using the arrows or by pressing the value and entering a new one on the touch screen pop-up keypad. <u>Measure your container physically and enter</u> <u>its value in MM under the Product length icon</u> (Which is the total length of the product).

In normal mode it will not affect any changes no matter which value is set (Enter Zero).

Distance Gap to peel plate:

This corresponds to the distance between the label Gap sensor and the peel plate's edge. On the drawing below we can clearly see that the distance is 200mm, therefore the value to be entered should be 200. The distance value may change if the angle of the peel plate has been moved. In this case you can compensate on a case by case basis or re-save with the new values (Suggestion, it would be better to compensate if you intend on moving this angle often OR make a reference mark for your peel plate angle as a reference for next time use of the same container).



NOTE: This value may change from one label to the next and therefore must be saved for each recipe

As of this point, it would be a good idea to save the product recipes. Do this by using the left arrow to navigate two screens back and then pressing on the recipe icon. (See « saving recipes » section further in this manual.



Labels shaped other than square or rectangle (GAP OFFSET)

In normal mode the usual way of setting the gap offset is to enter ZERO. However when the label has a shape other than a square edge (or right angle) It will be unconventional and this will need to be set on a trial and error basis... The more inconsistent the shape, the more you will need to compensate this value.

As in the example below, we will need to enter 92 as the ideal offset. Once this is done, you will need to save this new setting for the appropriate product name to always obtain the proper calibration when recalled from memory.

It is very important that the value entered does not exceed the total length of the label or you will obtain double label feeds resulting in a label out alarm.





7.6 General settings screen

These screens will allow the access to settings like the changing language displayed, contrast of the screen, and the setting of time and date. Simply navigate from one screen to the next using the arrows.

The other screens give access to the setting directly





7.7 Advanced settings

From the main screen, you can reach the *Advanced Settings* screen that greatly affects the parameters of the entire system. Therefore, they are password protected to avoid changes made by error. These have been entered by Nita and should not be accessed unless authorized by manufacturer. Qualified technicians can use this screen to help with troubleshooting.

7.7.1 Change Password



7.7.2 Input screen



The second screen is used to visually confirm the input and output signals from the sensors to the HMI controller and the motors deployed for label dispensing. By waving a hand in front of the sensor or placing a container in front of the sensor beam, the technician can simulate the signal and confirm the status using the tabs for the product sensor. These will change from on to off or vice versa when the sensor beam is activated.



For the Gap sensor, this can also be simulated by unlocking the label tension plate and slowly pulling on the line to the next gap or moving the existing gap back and forth under the sensor.

The Feed button will allow you to see the variance from off to on, when the motor turns into motion to feed the label.

The RMS Torque % allows for the adjustment of the tension plate (on the output of the labeler) with respect to the torque deployed. These settings are done at the factory.

7.7.3 Labeling

	LABELING
	FEED RATE TRIM ####.#
	LIMIT DISTANCE ####
	(B TO 40 M/MIN)
	DIST.(PRODUCT
HT	40 Beijer

This screen allows you to change the internal workings of the labeler.

These have been factory set. It is highly recommended NOT to change these settings. A qualified, Nita trained technician is recommended to change any of these.

Feed rate: Works with the encoder. At 100% the speed of the labeling head is synchronized 1:1 with the conveyor speed. If the value is augmented, the labeler will be faster than the conveyor.

If the value is lower than 100%... the labeler will be slower than the conveyor speed.

Distance limit: This value corresponds to the maximum distance traveled before a *"label out"* alarm will sound.

Man. velocity: This corresponds to the labeler speed in manual mode and the flagging speed of the label in TRI PANEL mode (auto).

Distance (product to peel plate): is the distance between the product sensor and the peel plate edge. We can clearly see (on the illustration below that the proper setting to be entered would be 240)





This will have no influence if your system DOES NOT has an encoder.

7.7.4 Servo motor rotation direction Screen



The direction of rotation is changeable from clockwise to counter clockwise (LH or RH).



This adjustment is only necessary once and it is factory set.

7.7.5 Encoder setting screen

	ENCODER SETTING ###.# MM TRAVELING SCALING #### COUNT
	COMP PRODUCT LENGHT
	← 200 MH / 8192 C Nita ACCU-CODER →
HT	40 Beijer

This screen holds crucial information to the well-being of this system.

These are directly linked to the systems encoder and affect all synchronized components. The first two settings allow for adjustments pertaining to the wheel size on the conveyor. To adjust this, measure the length of the conveyor's belt (in mm) and indicate the amount of pulses required for one full rotation (these are generally provided by the conveyor manufacturer).

The third setting is only used for 3 panel labeling. In this case adequate spacing is required to enable a second label to be fed without hitting the next container or ending up on the first container that we've just labeled. The value must be as low as possible to maintain a proper throughput but must not cause interference as explained above.

7.7.6 Encoder polarity screen

Here, you adapt the rotation direction to the programmed sequence. To ensure proper rotation, notice the value on the bottom of the screen. It should always be a positive number. If this is not the case, change the shaded rectangle shown here as (positive-cw) to (negative ccw).



AE612MKII, AE616MKII Stand Alone Labeling Machine



7.8 Calibrate screen



When an abnormal label feed is done, an error signal is sent to trigger the following screen. It is highly recommended that the threading be counter-verified as well as the GAP sensor checked to make sure that everything is adequate.

Following the verifications, press calibrate so that the system will take into consideration the labels and their positions.

If you feel that this screen has been obtained by mistake, press the arrow icon to return to previous screen



7.9 Saving & opening recipe screen

If you are on this screen it is simply because you have chosen to change an existing recipe or enter a new one.



To save an existing recipe, choose the one you want to save from the scroll menu and press **OPEN**, you will be brought to the ruler screen where you can now enter the new values to save under that existing recipe. Once done, you will be prompted to press **SAVE** and then confirm **Yes** or **NO**

To enter a new recipe, touch the recipe icon which will provide a scrolling menu of 10 empty recipes. Choose one that has not yet been used. NOTE which recipe number you've choosen. Then press save.

You will be directed to a screen where your choice requires confirmation. (see below)



When this screen appears you have not entered any changes yet, therefore press YES and you will directed to the screen that will allow you to enter values for this new recipe you are creating. Press NO to return to the previous screen to choose a different recipe number or exit out of the function by using the arrows.



7.9.1 The Help screens

Each time that an icon with a QUESTION MARK is available, you can obtain hints and explanation about the setting. Simply press the icon with the «?». See General info on how to proceed at the beginning of the HMI section.

These screens will appear when you press on this key:

Here are examples of screens which will guide you to perform the right adjustments. They will indicate how to adjust the various settings in the most effective way possible and provide hints.



7.10 Alarm screen

This screen appears when a problem with labeling the containers occurs. As you can see it will indicate which labeling head the problem came from (In this example the back labeler is at fault). An audible alarm will also sound at the same time as this message is displayed.





To reactivate the system, after solving the problem, simply press the Reset key. It will lead you to the screen of the faulty labeling head and will stop the audible alarm. You will have to reposition the web (or tend to empty roll) and restart the system.



8 MAINTENANCE

This machine has been designed with the minimal maintenance requirement possible. There are however some things to take into consideration.

After every 100 hours of operation, a visual inspection of the system should be done and where it is necessary, lubrication and cleaning should be performed.

CAUTION	WEAR PROTECTIVE EYEWEAR when performing any maintenance on this equipment
CAUTION	To reduce risk of fire, electrocution or other personal injury when operating or maintaining the labeling head, follow basic safety precaution, including the following:

Maintaining the labeling head, follow basic safety precaution, including the following:

DO NOT perform any servicing or maintenance with the Power ON.

Always disconnect the electrical plug from wall socket

Make sure that the power is OFF or that available E-stop buttons have been activated

LABELING HEADS

Belts:

Monthly, a visual inspection of the rewind belt and timing belt in the back panel should be performed. To do this you must gain access to the rear panel by removing 4 screws and removing the rear cover.



	CAUTION	DO NOT ATTEMPT doing this with the equipment under tension (with power
		on).

The visual inspection should consist of looking for cracks or defects in the belts. If this is the case, change the belts that are defective. Refer to the parts listing at the back of this manual (parts section)

The braking mechanism requires a monthly visual inspection as well. Also once every 12 months or so you should consider replacing the belt (it is possible that this belt will need to be changed prior to the 12 month time frame therefore a visual inspection to determine if there are cracks or tears in the belt is necessary).

This leather brake belt is located at the rear of the media wheel and is held by a spring & hock assembly. These components are all part of the recommended spare parts kit and are listed at the beginning of this manual.



Rollers:

It is important that your labeler be as clean as possible in its environment in order for it to perform properly.

Daily, you may want to clean all the rollers including the drive roller (the rubber one), the tension door and the peel plate using a damp cloth with alcohol. Make sure those parts have no glue or labels on it.







Weekly, spray a silicone based lubricant on each end of the plastic bushing.







Sensors:

The sensors all have an electronic eye called a photocell. These **<u>must</u>** be free of lint or dirt. Since the photocells are generally made with glass or plastic lenses they naturally attract substances which could easily fool the sensor. Use a cotton swab in a circular motion to gently clean the eye of the sensor as you would any lens.

CAUTION	CAUTION to avoid possible injuries, WEAR PROTECTIVE EYEWEAR when performing any maintenance operations where pressurized air is used.
CAUTION	DO NOT ATTEMPT doing this with the equipment under tension (with power on).

In the case where you have a Tamp blow model:

The vacuum pad should also be taken off once every 3 months to be cleaned (Note: in the case of an extremely dusty environment this should be performed more frequently).

Remove the screws that hold the delrin (white plastic portion) of the pad from the aluminum bloc.

With an air hose nozzle, make sure that all the holes from the pad are clear to allow air to flow freely.

Place pad back or order new pad if damaged.

FRL (water filtration, recuperation, lubrication): this unit should periodically (every 2 months) be observed, emptied of water and refilled with oil if required.

Remove the condensed water by releasing it through the bottom valve into a small bucket or container.





9 TROUBLE SHOOTING – QUICK GUIDE

PROBLEM	POSSIBLE CAUSE	SOLUTION
LABEL OUT ALARM	 The label roll is finished; no more labels in the roll Dirty label sensor Sensor not well adjusted Broken Timing pulley The label cannot pass thru the GAP sensor The LABEL FLAG is greater than the label length Gap sensor does not read correctly Product sensor is obtaining multiple product reading 	 Replace label roll Check sensor, clean it as necessary Adjust calibration of sensor Replace belt Thread the label correctly Decrease the label flag under the label length To determine if the problem comes from the GAP or Product sensor follow this rule: 1) Place the system in manual mode 2) Press feed 3) If the machine gives 2 or mores labels the problem is the GAP sensor. 4) If not look at the product sensor may be giving out two signals. Replace sensor if cannot be resolved.
SLANTED LABEL DURING APPLICATION	 Machine not oriented properly to the product Alignment of label within the machine Product too humid, wet or too cold to be labeled 	 Verify position of the machine Check label tensioner & roll Use only dry (not too cold) products unless using a special label specific to application



CURLING OF LABELS OR	Uneven product surface	Use brush wipe-on adaptor
AIR BUBBLES		Improve the products surface

LABEL IS LATE, NOT	٠	The label is incorrectly threaded	•	Check the threading diagram and
CONSTANT	•	Dirty drive roller	•	rethread the machine correctly
	•	Drive roller is worn		alcohol based cleaner
	•	worn	•	Replace drive roller
			•	Replace the tension roll bushing



10 ELECTRICAL SCHEMATIC

10.1 General diagram



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10.2 Communication cable



10.3 Motor Alimentation Cable





10.4 Feed back encoder cable





10.5 Encoder cable panel mount (DB9M & DB9F)







11 WARRANTY

The standard warranty period for this Nita equipment is 12 months following invoicing. The warranty covers all parts with consideration taken towards reasonable use and normal wear and tear. Not covered by warranty are parts that have a limited wear factor, any required labor by Nita and any shipping to or from Nita of defective or new parts. Prior to return to Nita, parts must be verified defective. The regular hours covered by the Nita warranty fall under the Nita business hours which are from 8:00 a.m. to 5:00 p.m. Monday through Friday Eastern time.

Return of defective parts

To return a defective part, you need to get a RMA number from Nita. Specify the serial number of the equipment, the client's name, address and phone number, contact name and the nature of the problem.

To get a replacement part, you must produce a purchase order as you would with any regular part order. You will be billed for the new part and credited for the defective one after evaluation. If the part is determined to be defective due to improper use, no credit will be issued. **Note**: shipping charges for the new part and for the return of the defective one are at your expense.

Proprietorship and Risk of Loss

NITA reserves ownership of all equipment ordered by (END USER) until complete payment is received. NITA has the right to claim and repossess any equipment which has not been paid on date, wherever it is, whether it has been installed or not, and to use any means necessary or useful to exercise said right, at (END USER'S) expenses.

Notwithstanding NITA's reservation of ownership, (END USER) becomes fully responsible for loss of or damages to NITA's equipment, as of the date where NITA made the equipment available for pick-up by (END USER).

Appropriate Use of Equipment

The equipment supplied to the end user by Nita are to be used for the sole purpose for which they were intended and must follow Nita's specifications on usage as well as appropriate functions. Nita will not assume any responsibility for any inappropriate use or modifications to the said equipment other than for the use it was initially built for.

The warranty will cease to apply forthwith if, in NITA's opinion, the equipment has been used abnormally or in an abusive manner, of it has not been properly maintained, if it has not been carried on a truck equipped with an air-ride suspension when required by NITA or if it has been used or maintained contrary to the owner's manual provided by NITA.

Responsibility Limits

The solution put forth has been prepared with the information that has been provided to Nita by the end user. Subsequently, Nita cannot assume any responsibility for the exactitude, precision and validity of the information which was supplied. Moreover, Nita cannot be held responsible for (a) any damages, direct or indirect, secondary, or accessory, including, without limitations, the loss of profit, workflow interruption, loss of production, loss of profits and other; (b) any and all damages claimed against the end user by a third party; (c)



all or any damages caused to the property of end user or any other third party; (d) any or all damages resulting in an act from end user or third party, major force, or act of God, unforeseen cause, or event.

With all reservation, in the eventuality where the responsibility is that of Nita relative to any defect of quality of said equipment or proposed solution Nita would be able to Accept the responsibility, to its entire discretion, with the replacement of part of or the said equipment or solution. By a compatible or identical equipment or solution or by a reimbursement of value agreed upon. In no case can Nita's responsibility exceed the total monetary sums received for the said defective equipment or solution.



12 PARTS - COMPONENTS SCHEMATICS SECTION

12.1 PARTS LIST

Part #	Description	Qty
5101906	BASE KIT AE612-MKII (includes all below parts)	1
5110986	Tension roller axel – Tension roller assy	1
5110989	Round alum. Tube OD 1/14, ID 1/18 – Tension roller assy	1
5111139	Rewind transmission belt	1
5111167	Braking strap for unwind	1
8110119	Roll end plast. Bearing ID 0.5 Delrin	2
8130199	Timing belt 3/8 type XL	1
8180064	Tension spring (For Rewind)	1
8180030	Tension spring brake (old 8180019 or b-611) (For Unwind)	1
8708016	Hook for brake (old 5102031 or 04-099) 6-32	1
8708019	Hook for brake 8-32	
5101907	BASE KIT AE612-MKII Wide (includes all below parts)	1
5111389	Wide Tension roller axel – Tension roller assy	1
5111387	Wide Round alum. Tube OD 1/14, ID 1/18 – Tension roller assy	1
5111139	Rewind transmission belt	1
5111167	Braking strap for unwind	1
8110119	Roll end plast. Bearing ID 0.5 Delrin	2
8130199	Timing belt 3/8 type XL	1
8180064	Tension spring (For Rewind)	1
8180030	Tension spring brake (old 8180019 or b-611) (For Unwind)	1
8708016	Hook for brake (old 5102031 or 04-099) 6-32	1
8708019	Hook for brake 8-32	





5101908	BASE KIT AE612-MKII Extra-Wide (includes all below parts)	1
5112404	Extra-Wide Tension roller axel – Tension roller assy	1
5112406	Extra-Wide Round alum. Tube OD 1/14, ID 1/18 – Tension roller assy	1
5112419	Rewind transmission belt 5mm	1
5111167	Braking strap for unwind	1
8110119	Roll end plast. Bearing ID 0.5 Delrin	2
8130227	Timing belt 1/2 type L (150L050)	1
8180064	Tension spring (For Rewind)	1
8180030	Tension spring brake (old 8180019 or b-611) (For Unwind)	1
8708016	Hook for brake (old 5102031 or 04-099) 6-32	1
8708019	Hook for brake 8-32	
5101910	BASE KIT AE616-MKII (includes all below parts)	1
5110986	Tension roller axel – Tension roller assy	1
5110989	Round alum. Tube OD 1/14, ID 1/18 – Tension roller assy	1
8125003	Polyclutch slipper shaft	1
5111167	Braking strap for unwind	1
8110119	Roll end plast. Bearing ID 0.5 Delrin	2
8130199	Timing belt 3/8 type XL	1
8180065	Tension spring (Rewind)	1
8180030	Tension spring brake (old 8180019 or b-611) (For Unwind)	1
8708016	Hook for brake (old 5102031 or 04-099) 6-32	1
8708019	Hook for brake 8-32	1
5101911	BASE KIT AE616-MKII Wide (includes all below parts)	1
5111389	Wide Tension roller axel – Tension roller assy	1
5111387	Wide Round alum. Tube OD 1/14, ID 1/18 – Tension roller assy	1
8125003	Polyclutch slipper shaft	1
5111167	Braking strap for unwind	1


8110119	Roll end plast. Bearing ID 0.5 Delrin	2
8130199	Timing belt 3/8 type XL	1
8180065	Tension spring (For Rewind)	1
8180030	Tension spring brake (old 8180019 or b-611) (For Unwind)	1
8708016	Hook for brake (old 5102031 or 04-099) 6-32	1
8708019	Hook for brake 8-32	
Electrical section	1	
5101777	GAP SENSOR, LABEL EYE	1
8325093	GAP SENSOR, CLEAR LABEL (TRITRONIC)	1
8325086	GAP SENSOR, CLEAR LABEL (DI-SORIC)	1
8325058	PRODUCT REFLECTIVE SENSOR FOR CLEAR PRODUCT (STANDARD ON ALL SYNER G XP AND JOUST SYSTEM)	1
8325066	PRODUCT PROXIMITY REFLEX SENSOR	1
8325087	LOW WEB PROXIMITY PHOTOELECTRIC PNP	1
8301036	HMI 3.5" MONO	1
8301079	POWER SUPPLY 24 VDC, 60 W IDEC	1
8301091	INTERFACE BOARD EPSILON EP 16 IN – 8 OUT	1
8311032	EPSILON DRIVE EP INDEXING C/W ETHERNET CABLE	1



12.2 AE612MKII - Overview (right & left hand)

RIGHT HAND



5910000A(MANUAL- AE-612 - GENERAL VIEW AE-612 MKII RIGHT HAND (AUG 12))



AE612MKII, AE616MKII Stand Alone Labeling Machine

LEFT HAND



5910001A(MANUAL- AE-612 - GENERAL VIEW AE-612 MKII LEFT HAND (AUG 12))

12.2.1



12.2.2 AE612MKII - Main body & accessories





12.2.3 AE612MKII - Peel plate assy



5910231A(MANUAL - AE-612 - STD PEEL PLATE ASSEMBLY (AUG 12))





12.2.4 AE612MKII - Driver roller & motor assy





⁵⁹¹⁰²²⁵A(MANUAL - AE-612 - STD TENSION ROLLER ASSEMBLY (AUG 12))



12.2.6 AE612MKII - Deflection & tension plate



12.2.7 AE612MKII - Unwind roller









12.2.10 AE612MKII - Aluminum idler roller



12.2.11 AE612MKII - Deflection ribbon arm



5910228A(MANUAL - AE-612 - STD DANCING ARM ASSEMBLY (AUG 12))

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12.3 AE612MKII WIDE - Overview wide labeler head (right & left hand)

RIGHT HAND



5910002A(MANUAL- AE-612 - GENERAL MEWVWIDE AE-612 MKII RIGHT HAND (AUG 12))



AE612MKII, AE616MKII Stand Alone Labeling Machine

LEFT HAND





12.3.1 AE612MKII WIDE - Main body & accessories



5910203A(MANUAL - AE-612 - WIDE MAIN BODY OVERVIEW (AUG 12))



12.3.2 AE612MKII WIDE - Peel plate assy



5910232A(MANUAL - AE-612 - WIDE PEEL PLATE ASSEMBLY (AUG 12))





12.3.3 AE612MKII WIDE - Driver roller & motor assy

12.3.4 AE612MKII WIDE - Guard & tension roller



5910226A(MANUAL - AE-612 - WIDE TENSION ROLLER ASSEMBLY (AUG 12))



12.3.5 AE612MKII WIDE - Deflection & tension plate



12.3.6 AE612MKII WIDE - Unwind roller (same as standard head)











12.3.9 AE612MKII WIDE - Aluminium idler roller



12.3.10 AE612MKII WIDE – Deflection ribbon arm



⁵⁹¹⁰²²⁹A(MANUAL - AE-612 - WIDE DANCING ARM ASSEMBLY (AUG 12))



12.4 AE612MKII Extra-Wide labeler head (right & left hand)

RIGHT HAND



5910004A(MANUAL- AE-612 - GENERAL VIEW X-WIDE AE-612 MKII RIGHT HAND (AUG 12))



LEFT HAND





12.4.1 AE612MKII Extra-Wide - Main body & accessories





12.4.2 AE612MKII Extra-Wide - Peel system



⁵⁹¹⁰²³³A (MANUAL - AE-612 - EXTRA WIDE PEEL PLATE ASSEMBLY (AUG 12))





12.4.3 AE612MKII Extra-Wide - Driver roller & motor assy





5910227A(MANUAL - AE-612 - EXTRA WIDE TENSION ROLLER ASSEMBLY (AUG 12))





12.4.6 AE612MKII Extra-Wide - Unwind roller (same as standard head)







12.4.8 AE612MKII Extra-Wide - Unwind brake





12.4.9 AE612MKII Extra-Wide - Aluminium idler roller



12.4.10 AE612MKII Extra-Wide - Deflection ribbon arm





RIGHT HAND

12.5 AE-616MKII Motorized Labeler head (right & left hand)





AE612MKII, AE616MKII Stand Alone Labeling Machine



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12.5.1 AE616MKII Motorized Labeler head - Main body & accessories





12.5.2 AE616MKII Motorized Labeler head - Peel plate assy



⁵⁹¹⁰²³¹A(MANUAL - AE-612 - STD PEEL PLATE ASSEMBLY (AUG 12))





12.5.3 AE616MKII Motorized Labeler head - Driver roller & motor assy





5910225A(MANUAL - AE-612 - STD TENSION ROLLER ASSEMBLY (AUG 12))





12.5.5 AE616MKII Motorized Labeler head - Deflection & tension plate

12.5.6 AE616MKII Motorized Labeler head - Ø16" Unwind roller





12.5.7 AE-616MKII Motorized Labeler head - Rewind roller



12.5.8 AE616MKII Motorized Labeler head - Motorized rewind assy







12.5.9 AE616MKII Motorized Labeler head - Unwind brake





5910211A(MANUAL - AE-612 - STD IDLER ROLLER ASSEMBLY (AUG 12))



12.5.11 AE-616MKII Motorized Labeler head - Deflection ribbon arm



5910240A(MANUAL - AE-616 - STD DANCING ARM ASSEMBLY (AUG 12))



⁵⁹¹²⁰⁰⁸A(MANUAL - AJUSTMENT - STD U-ARM SUPPORT FOR AE HEAD SERIES (NOV 12)



12.8 Brush Kit




12.9 Wide Brush Kit



59102444(MANUAL - AE-61X -EXTRA WIDE LABEL BRUSHES ASSEMBLY (OCT 12))





12.11 Painted Steel T Base Floor Stand





13 MANUFACTURER'S COORDINATES

Ultimately, the dealer which sold you the machine should be your first contact as they have been trained to perform any work on these devices and troubleshooting.

Should you require any additional information about our equipment, feel free to call us

NITA LABELING EQUIPMENT INC.

1051 du VIGER STREET

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