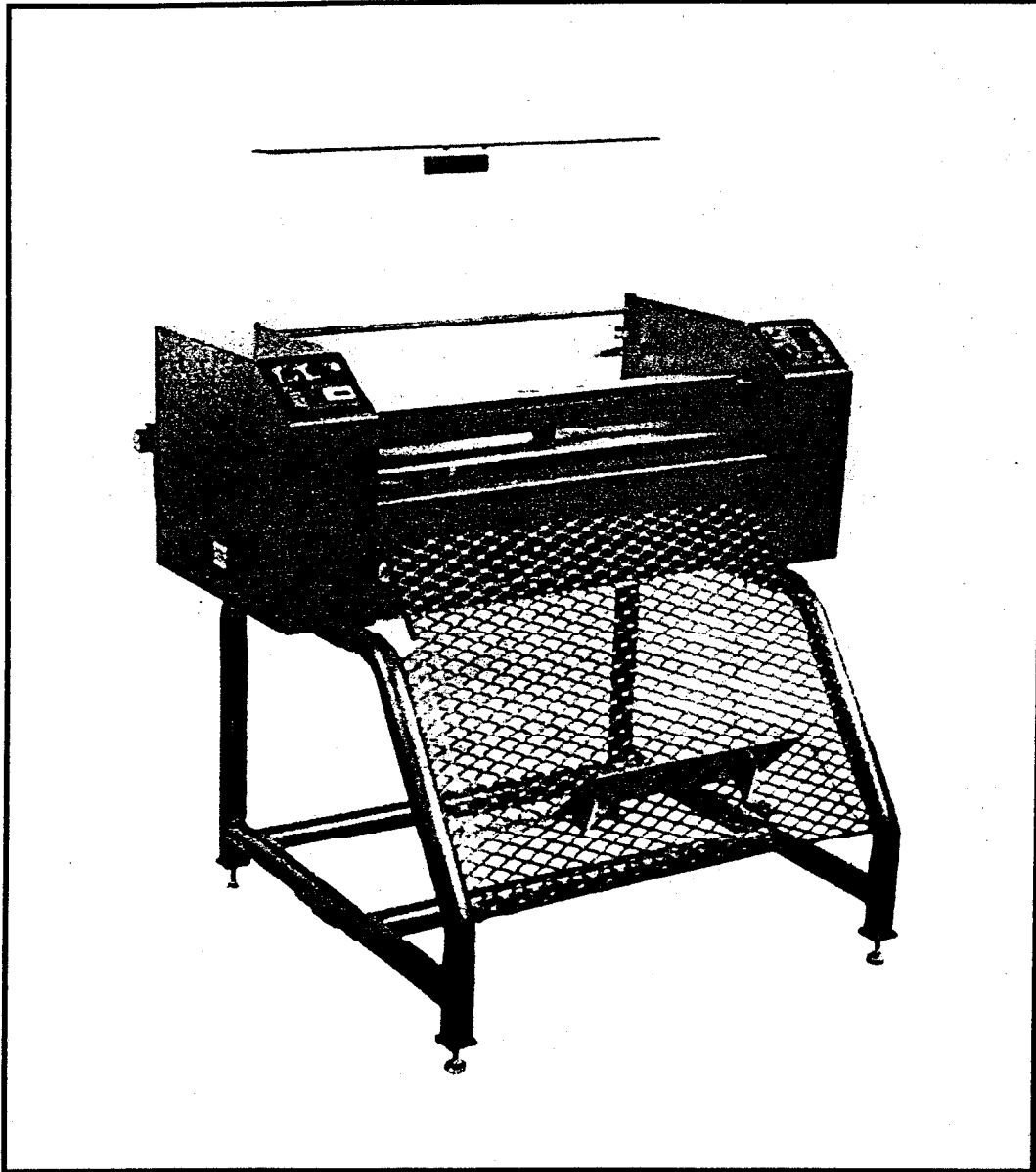


GBC 7330 AUTO-CUTTER



Congratulations on purchasing the most advanced Auto-Cutter on the market. Your GBC 7330 Auto-Cutter is designed to provide years of simple, trouble-free operation if properly installed and maintained.

Please read this manual carefully.

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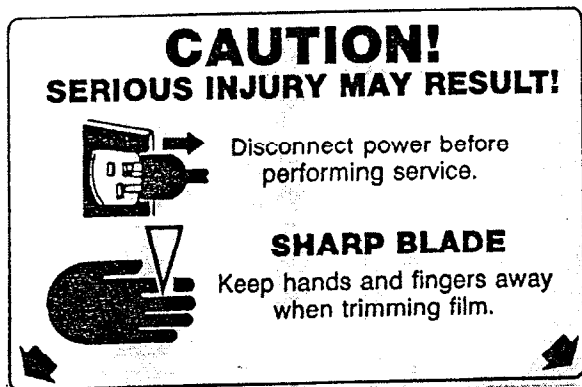
IMPORTANT SAFETY INSTRUCTIONS

Your safety as well as the safety of others is important to GBC. In this instruction and on the product are important safety messages. Read these messages carefully:



The safety alert symbol precedes each safety message in this instruction manual. This symbol indicates a potential personal safety hazard that could hurt you or others, as well as cause product damage or property damage.

The following warnings are found on the Auto-Cutter.



DO NOT REMOVE PANEL

Service should only be performed
by an authorized GBC representative

SERIOUS INJURY MAY RESULT

These safety messages means that you could be seriously hurt or killed if you open the product and expose yourself to hazardous voltage.



This message is to alert you that the machine may not operate or may be damaged by low air pressure.



FOR YOUR SAFETY:

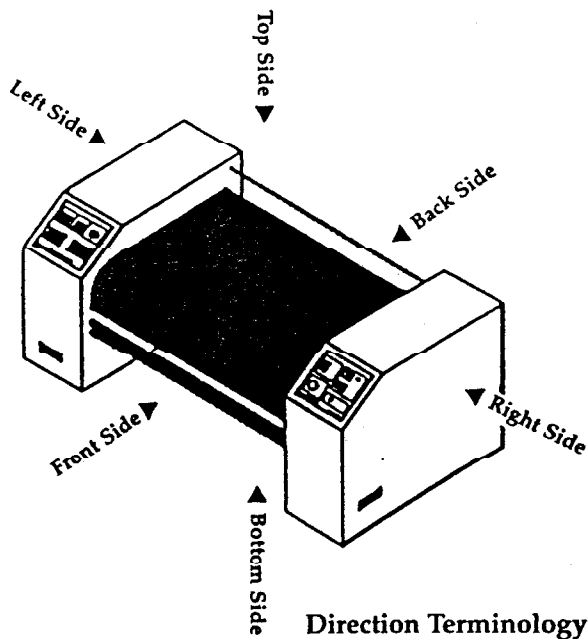
1. Read all of these instructions.
2. Save these instructions for later use.
3. Follow all warnings and instructions marked on the product.
4. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
5. Do not use this product near water.
6. This product should be operated from the type of power source indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
7. This product is equipped with a 3-wire grounding type plug; a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the purpose of the grounding-type plug.
8. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
9. If an extension cord is used with this product, make sure that the total of the ampere ratings on the products plugged into the extension cord do not exceed the extension cord ampere rating. Also, make sure that the total of all products plugged into the wall outlet does not exceed 15 amperes.
10. Never push objects of any kind into this product through any slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
11. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to service personnel.
12. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - A. When the power cord or plug is damaged or frayed.
 - B. If liquid has been spilled into the product.
 - C. If the product has been exposed to rain or water.
 - D. If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - E. If the product has been dropped or the cabinet has been damaged.
 - F. If the product exhibits a distinct change in performance, indicating a need for service.

Chapter 1: Introduction

Your GBC 7330 Auto-Cutter is a fully automated trimming unit designed to be matched to a thermal-type laminator producing output on a continuous web. If you are unfamiliar with the terminology generally used in conjunction with machines of this type, please refer to the Glossary of Terms for more information.

It is assumed that you are already in possession of a lamination unit that is currently installed and functional. If this laminator is overdue for service or maintenance, it would be appropriate to do such maintenance now prior to installing the GBC 7330.

The GBC 7330 Auto-Cutter carries the standard that goes into all of General Binding Corporation's products. We offer integrated products designed to give maximum productivity in the work environment. Many of our products are carefully engineered to work with existing systems and mechanical designs, but works best when matched to other GBC 7330 components. If you would like more information on the full line of lamination products, please contact your GBC Representative.



Chapter Two: Specifications

REQUIRED POWER:	115 VAC TWO (2) WIRE PLUS GROUND SINGLE PHASE 60 HZ
OPERATING POWER:	115 VAC 60 HZ 2 AMPS
DIMENSIONS:	WIDTH - 43" DEPTH - 32.5" HEIGHT - 39"
WEIGHT:	225 POUNDS 102.06 KILOGRAMS
SPEED:	UP TO 45 FPM
SHEET SIZE:	MIN - 8-1/2" WIDE X 11" LONG MAX - 30" WIDE X UNLIMITED LENGTH
EXTERNAL AIR:	3 CFM AT 80 PSI
WIDTH OF CUT:	30"
REPEATABILITY OF CUT WITHIN:	±0.006"

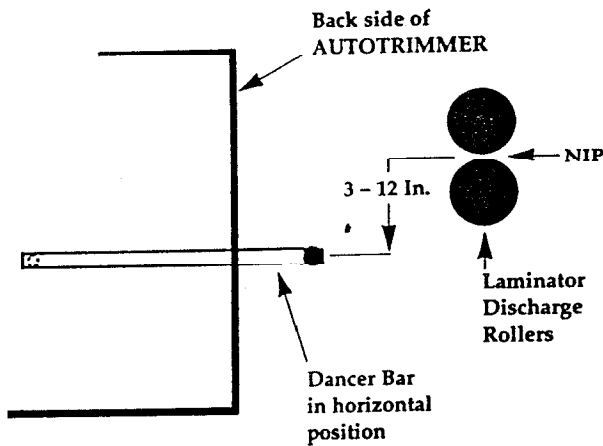
Chapter Three: Installation

First-Time Installation

Your GBC 7330 Auto-Cutter requires hookup to a 120 volt grounded AC line. This line does not need a separate circuit. Your facility requires a NEMA 5-15R or 5-20R receptacle.

Your 7330 requires hookup to an air line with a minimum pressure of 80 psi. (Depending on your air line setup, an adapter may be needed.) To work correctly, your 7330 Auto-Cutter must be correctly mated to your laminating unit. Also, although your Auto-Cutter has been carefully engineered to work with both automatic and manual feeding laminators, best results will be obtained with automatic (or semi-automatic) feeding laminators.

Failure to properly install your 7330 Auto-Cutter will result in non-optimal performance.



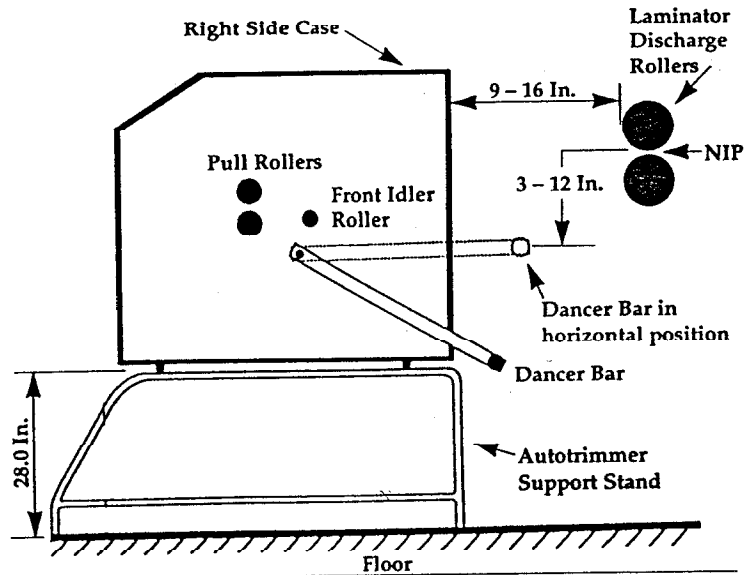
Installation Procedure

Important Note: Before beginning your installation, make sure the Dancer Bar, when in the horizontal position, is below the nip of the laminator's discharge rollers. You'll want the vertical distance from the nip of the laminator's discharge rollers to the center of the Dancer Bar to be a minimum of 3 inches lower than the nip point.

To correct for this situation you'll need to lower or raise the laminator unit accordingly.

1. Select a suitable location in which to install your 7330 Auto-Cutter. You'll need a minimum work areas of 10 feet by 8 feet. You'll want to select a permanent location, otherwise you will have to re-install the Auto-Cutter every time it is moved.

2. Position the Support Stand squarely behind the laminator. Ensure the Support Stand does not rock or sway by adjusting the leveler on the base of the Support Stand. The cutter rollers should be parallel with the laminating rollers.
3. Carefully make final adjustments in the position of the 7330 so that the back edge of the Auto-Cutter's side case is 9-16" from the outer edge of your laminator's discharge roller.



Although the exact distance between the Auto-Cutter and laminator is not important, the distance you decide upon (within the accepted range) must be exactly the same at both ends of the discharge rollers. Make sure you use a consistent and reproducible measurement technique.

4. Your 7330 Auto-Cutter is shipped from the factory to be used with a laminator that produces a "straight web", i.e. a laminator that does not produce a web with a tendency to curve "pull" to the right or left. Even very slight "pulling" or torquing of laminator output (that may not be readily observable to the naked eye) can produce non-optimal results from your Auto-Cutter.

Hints and Tricks...

1. If you find installing and re-installing difficult to do accurately, try using a 1.5 ft Carpenter's Square in place of the flexible tape measure. When you want to check your Auto-Cutter's alignment, simply place one edge against the laminator's top discharge roller while measuring the distance to the Auto-Cutter along the other edge. This ensures that your measurements are consistent and reproducible.
2. The Auto-Cutter's Rotary Cutter produces considerable cutting force through each side-to-side trimming cycle. Ensure that your Support Stand is perfectly level. Also, marking the position of the Support Table's legs on the follow will alert the operator of any movement in the machinery.



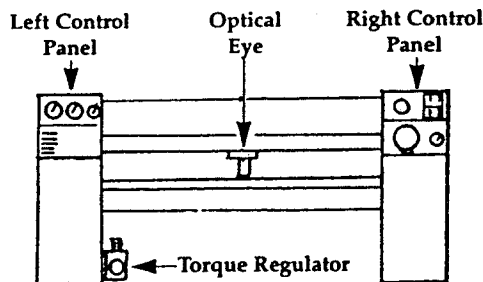
CAUTION: A complete first-time installation must be done as described in Chapter 3. Failure to properly install your 7330 Auto-Cutter may lead to non-optimal results as well as damaged product.

Step-By-Step Procedure

1. Run your laminator to produce a web long enough to feed completely through the Auto-Cutter (about 12" past the Rotary Cutter).
2. Stop your laminator.
3. If this is your first production job on the 7330 Auto-Cutter, verify that:
 - a) The air and AC power are hooked up, and the Main Pressure Regulator setting is correct (80 psi);
 - b) The Torque Regulator is set to "neutral" (40 psi);
 - c) Optical Eye Sensitivity is set to neutral (approximately midpoint on the Optical Eye Sensitivity dial). (See Chapter 4 – Right Control Panel)

This setting may have been adjusted depending on weight and light transmission properties of the film and/or stock;

- d) Your rollers are clean and dirt-free;
- e) The "beam path" of the Optical Eye is clean and unobstructed;



Re-Installation

Each time your laminator and/or 7330 Auto-Cutter is moved or disassembled for any reason, you must re-install your Auto-Cutter as if it were a first time installation.

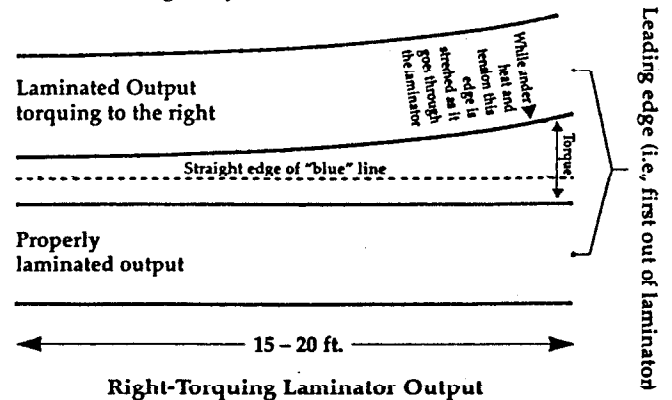
Accurate alignment of the 7330 Auto-Cutter relative to the laminator is critical to proper operation.

Testing Your Laminator For Torquing

1. Set-up your laminator for a typical run. You do not need to use the Auto-Cutter for this test.

2. Run a 2-sided laminated sample approximately 15-20 feet in length. Best results are obtained when you use 12- 18" wide 3 mil laminating film. Because you are testing laminator performance, you want to make sure the film rolls are evenly wound, identical in width and mating squarely inside the laminator. Slit both sides so that you have two clean edges to work with.
3. Cut off the web from the laminator and align either side along the edge or line that you know to be "true". (The margin of a floor, a plumb line or the edge of a long table.)
4. If either edge of the test output fails to lineup with the true edge, then your laminator unit is torquing (i.e. stretching one side of the web more than the other).
5. Determine why your laminator is torquing. In order to alleviate or at least minimize torquing you will have to check, service and re-adjust your laminator according to the manufacturer's specifications.
6. Minor torquing problems can be compensated for by using the built in Torque Regulator feature on your Auto-Cutter. This feature counteracts minor torquing problems by re-torquing the laminated film in the opposite direction.

Note: Numerous factors contribute to laminator torquing including normal wear and tear. Inspect and service your laminator regularly.



Torque Compensation

Before making this adjustment make sure the 7330 Auto-Cutter is properly aligned and that the laminator produces curved or torqued output.

Your Auto-Cutter comes with a built-in pneumatically controlled Torque Regulator (located outside the lower left side case) to compensate for torquing in laminator output. (Note: Serious laminator torquing is a problem that must be corrected by repairing the laminator, not the Auto-Cutter.)

Before you adjust the Torque Regulator, you must first determine whether your laminator is torquing output to the left or to the right. The terms left/right and front/back used in this manual refer to the directions as seen by an operator facing the Auto-Cutter's control panels.

The pressure gauge and adjustment knob that comprise the Torque Regulator determines the pressure on the right side of the Auto-Cutter's rollers. The left side has a fixed pressure relative to the main pressure regulator on the back side of the machine. The factory setting of 80 psi.

If your output is torquing to the right then you need to decrease the pressure on the right side of the Auto-Cutter's rollers. Turning the Torque Regulator counter-clockwise will compensate for right-torquing laminator output. Similarly, clockwise adjustments will compensate for left-torquing laminator output.

It may take several small, graduated adjustments to find the setting that produces the best results. After each adjustment carefully examine trimmed output to determine whether further adjustments are necessary. It will take approximately 5 sheets to see the corrected adjustment.

There are number of causes for Laminator Torquing:

1. Improperly designed laminators. When much of the trimming was done by hand, laminator manufacturers had little reason to worry about precision, tolerance and quality control. In fact if a machine could sandwich a piece of paper between two pieces of film it was called a fully functional laminator.
2. Faulty operation of the laminator and excessive wear of critical components of the laminator.
3. Poor and inconsistent maintenance practices of the laminator.

How is Laminator Torquing Caused?

Most laminators contain spring-loaded rollers. If the pressure is not even on both ends then the film will form a curvature that is directed away from the end with the greater pressure.

The cause may be poor matching of the discharge roller gears; incorrect or worn spring-loaded tension adjusters; incorrectly aligned rollers of the laminator, etc.

Here are some of the types of problems that can occur:

1. The laminator's upper and lower discharge rollers are not parallel to each other.
2. One or both of the laminator's discharge rollers are bent.
3. One or both of the discharge rollers of the laminator are unevenly ground across their length; diameter differs across the length of one or both rollers.
4. The tension adjusters on the laminators discharge rollers are not applying even pressure on both ends of the rollers.

Dancer Bar

Your 7330 Auto-Cutter will automatically accept and process the output from your laminator even though the motors of the two machines are running at different speeds.

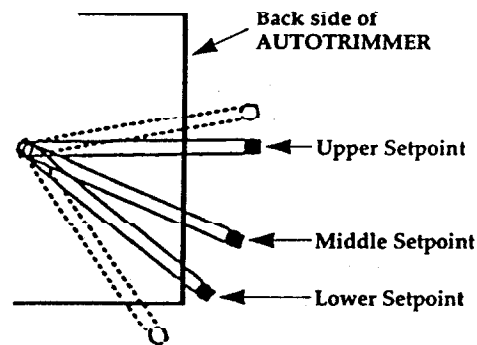
The Dancer Bar is a critical component of your Auto-Cutter. It performs 4 very important functions:

- (i) Starts and stops motor;
- (ii) Controls speed of motor;
- (iii) Keeps web tracking squarely as it goes through Auto-Cutter;
- (iv) Maintains communication link between Auto-Cutter and laminator

The Dancer Bar turns the motor on and off whenever the bar moves above or below a certain point. (Normally set near the top of its swing).

This start-stop features ensures the Auto-Cutter will not out pace the laminator and tug on the web.

Your 7330 Auto-Cutter is shipped from the factory with the Dancer Bar automatically adjusted to handle most installations. If your 7330 Auto-Cutter is installed correctly, you will not need to make any adjustments.



How the Dance Bar Works

The Upper Setpoint

The Upper Setpoint determines when the Auto-Cutter will shut off. As the Dancer Bar passes upward through this point (i.e. because the laminator was turned off or the speed control on the Auto-Cutter is set high) the Auto-Cutter will turn back on as the Dancer Bar passes downward through this setpoint.

The Middle Setpoint

The Middle Setpoint determines when the Auto-Cutter will kick down into Base (slow) Speed. The gate only operates as the web is tightening (i.e. the Dancer Bar is traveling upward through the Middle Setpoint). The Auto-Cutter does not go into high speed as it moves downward through this same setpoint. The outside gate switch controls this feature.

The Lower Setpoint

If the Dancer Bar reaches the Lower Setpoint the laminator is out pacing the Auto-Cutter. If it continues to drop further the Dancer Bar reaches the lowest point in its swing and the web begins to slacken - seriously compromising the operation and accuracy of your Auto-Cutter. Assuming the Speed Control Knob has been properly set the Lower Setpoint is designed to compensate for this situation. If the Auto-Cutter is in Base Speed and the Dancer Bar is traveling downward through the Lower Setpoint, the Auto-Cutter will kick into High Speed. However, if the Auto-Cutter is already in High Speed or the Dancer Bar is traveling upward through the setpoint then the gate switch (center) is disabled.

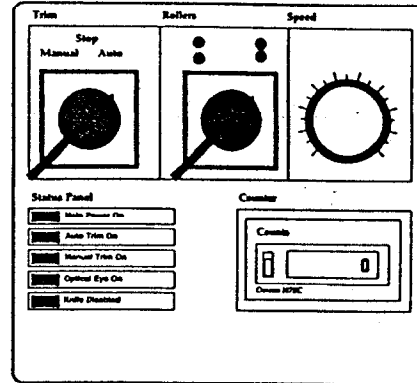
Variable Speed Operation

Base Speed is fixed and cannot be altered. Your Auto-Cutter will switch into Base Speed just before a cut (i.e. for greater accuracy and control) and when the Auto-Cutter needs to slow down relative to the laminator.

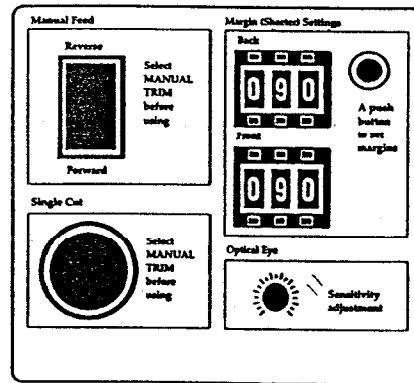
The High Speed mode is variable and can be set by the Speed Control Knob on the Left Control Panel. High Speed can range from a slow crawl up to almost 60 feet a minute allowing your 7330 Auto-Cutter to adapt to just about any laminating situation.

Ideally you want to set High Speed slightly above that of the laminator. Remember, your laminator runs continuously while your Auto-Cutter has to stop momentarily to make each cut. A slightly higher speed helps it to catch up after each cut. The difference in speed between the two machines will depend on the speed of the laminator and the number of cuts per minute. You know you have set the speed correctly when the Dancer Bar spends most of its time in the middle to lower part of its swing.

Chapter Four: Learning the Controls



Left Control Panel



Right Control Panel

Main Pressure Regulator

This unit controls the inlet air pressure to the unit. It also filters and traps contaminants which might be harmful to the Auto-Cutter's pneumatic components.

Torque Regulator

This controls the pressure exerted on the rollers that pull your web through the Auto-Cutter. Its factory setting of 40 psi (assuming Main Pressure Regulator set at 80 psi) is for zero torquing conditions.

The Torque Regulator, located outside the lower left side case, consists of a pressure gauge and an adjustable regulator. The regulator controls the pressure to the right side of the rollers.

Turn the Torque Regulator clockwise (increasing pressure on the dial) to increase the pressure on the right side of the rollers. Turn the Torque Regulator counter-clockwise to decrease the pressure.

Main Power Switch

This Main Power Switch, located on the back left side of the machine, controls AC power to the unit. It is readily accessible and can also be used as an emergency cutout.



CAUTION: *If you have just turned off your Auto-Cutter wait at least 10-15 seconds before turning it back on. Failure to do so may result in serious damage to the electronic components. When the Auto-Cutter is not in use, i.e. overnight, break, lunch, turn the main power switch off.*

Trim Mode Lever

This lever controls a major part of the daily activity of the 7330 Auto-Cutter. In AUTO mode, the 7330 will work in harmony with your laminator, automatically advancing the web and trimming the product.

The operator may use the Manual Feed and Single Cut controls (both located on the right control panel) as needed to accurately setup the production job. MANUAL mode is typically used to setup the web at the beginning of the day or to compare different margin settings on a particular job.

STOP will effectively cut out all Auto-Cutter operations without having to throw the main power switch to off.

Roller Position Lever

The Roller Position Lever allows you to open or close the rollers pneumatically. This control is used to free up the rollers and reposition the web as needed.

Whenever the Main On/Off Power Switch is turned off, your 7330 will lock the rollers closed to protect your job-in-progress.



Danger: *Rollers close with high pressure. Keep fingers away from rollers when using the Roller Position Lever. In the event of an emergency, you must use the Roller Position Switch to release the mechanism. (See Chapter 4 – Left Control Panel)*

Speed Control Knob

The Speed Control Knob adjusts the speed for the 7330 Auto-Cutter. When setting up for a job adjust this knob until the speed exceeds that of the laminator as evidenced by a tight web (no slack) under the Dancer Bar. Once set, the Speed Control Knob rarely has to be re-adjusted.

Setting this control precisely is not necessary because small variations in laminator output speed are compensated for automatically by the Dancer Bar control circuitry.

Counter

Your 7330 Auto-Cutter features a solid-state LCD counter that runs off the AC power supply. This unit automatically counts the output from each job.

It is reset by pushing the raised button to the left of the counter display. If preferred, the count can be locked (secured from accidental reset) by sliding the raised button downward.

A built-in, long-life lithium battery protects against loss of data due to power interruptions.

Status Panel

This LED status panel keeps you advised of all activity.

MAIN POWER ON	Main On/Off Power Switch is turned on.
AUTO TRIM ON	Machine set to automatically trim output from laminator.
MANUAL TRIM ON	Machine set to MANUAL mode. Manual Feed (Jog) and Single Cut features enabled.
OPTICAL EYE ON	Optical eye "sees" through laminating film.
KNIFE DISABLED	LED turns on when plastic Safety Hood is lifted or Set Margin Button is depressed. The Rotary Cutter will not operate.

Safety Hood

Raising the Safety Hood permits access to the rollers so work may be setup. As a safety feature, the Rotary Cutter is automatically disabled when the Safety Hood is raised slightly.

The hood may be raised and lowered as needed. Dropping or banging the hood shut may cause damage to your Auto-Cutter.



Danger: *Keep fingers away from the front edge of the Safety Hood during normal operation. The speed and power of the Rotary Cutter can cause extremely serious injury.*

Manual Feed Toggle Switch

This useful feature is enabled only when the Trim Mode Lever is set to MANUAL mode.

Once your material is positioned within the rollers and the rollers are closed, you can move your material forward or backward in small increments with this toggle switch.



CAUTION: Do not attempt to turn the rollers by hand when the main power is on. Use this control instead.

INNOVATIVE DESIGN

The optical Eye Detection System on your 7330 actually consists of two complete detection systems.

The first eye senses the edge of the paper and automatically “kicks down” the Auto-Cutter’s speed to its highly accurate base mode. It also acts as a early warning system telling the second eye that it should expect this edge to arrive shortly.

The second eye is located 3/4” down line from the first. This eye triggers a counting sequence and advances the web a precise distance as dictated by the margin control settings on the right control panel. At the precise moment, the Auto-Cutter stops momentarily as the Rotary Cutter comes across to trim the edge.

The result is a trim that is accurate to 6 thousandth of an inch - EVERY TIME!

Single Cut Button

The Single Cut Button works only when the Trim Mode Lever is set to MANUAL and the rollers are in the closed position.

When this button is pushed it causes the Auto-Cutter to advance the web until the edge triggers the Optical Eye. The web then advances further depending on your margin setting for that edge (The 7330 Auto-Cutter is intelligent and can determine which edge it’s working on). This feature allows the operator to “test” the margin settings with virtually no product waste.



CAUTION: Use this feature cautiously. The Rotary Cutter will strike with the same force as if the Auto-cutter were set on automatic operation.

Optical Eye Sensitivity

Note: As shipped from the factory, this control on your 7330 Auto-Cutter is set for “clear” laminate.

The Optical Eye which watches for product as it moves through your web is the key to the 7330 Auto-Cutter’s high precision operation. Different types of laminate, however, are more opaque than others. The more opaque (cloudy) the laminate, the more likely the Optical Eye will have difficulty distinguishing between the laminate and the product itself. Turn the Optical Eye Sensitivity counter clockwise until 7330 Auto-Cutter is able to distinguish between paper and opaque film.

Front/Rear Margins and Set Margin Button

The Front and Back Margin Settings are graduated in 1000th of an inch (see Appendix A.1 for common conversion factors). They allow you to individually set the desired value for each margin including flush cuts. Punch in the settings of your choice and then push the red Set Margin Button momentarily to “lock” in the settings. You should push the red Set Margin Button each time you make a change in your settings.

Auto-Cutter Support Stand

The Support Stand serves a number of different functions. It provides primary support for the Auto-Cutter. It compensates for floors that are not level. It’s designed to allow waste cross-cut film to drop into a waste basket immediately below the Rotary Cutter. And, it offers an exit tray to catch finished product immediately after it is released from the Rotary Cutter.

Appendix

A.1. Useful Conversion Factors

Inches		Millimeters	Margin Setting
Flush cut	0.050	0.0	050
1/64	0.016	0.397	066
1/32	0.031	0.794	081
1/16	0.062	1.588	112
3/32	0.094	2.381	144
1/8	0.125	3.175	175
5/32	0.156	3.969	206
3/16	0.188	4.762	238
7/32	0.219	5.556	269
1/4	0.25	6.35	30
3/8	0.375	9.525	425
1/2	0.5	12.7	550

To enable the machine to make negative cuts, the factory setting of flush cut is at .050.

For example, if you want a front margin of 1/16" and a back margin of 1/2" you would set the Front Margin Pushbutton switch to 112 and the Back Margin Pushbutton switch to 550.

Glossary of Terms

Air regulator: Adjustment which feeds air pressure to specific components.

Auto-Cutter: Machine which automatically trims output of laminator.

Beam path: Area of focus of optical eye.

Counter: Device to count product output.

Dancer Bar: Moveable rod assembly which forms part of feed path into trimmer. Movement of the bar signals trimmer motor whether or not product is ready to feed into trimmer. Motor stops and starts depending on Dancer Bar signal.

Dummy: Inexpensive material of same dimensions as actual product.

Encapsulation lamination: Clear, almost indestructible coating heat-sealed around a product.

Feed: The process of placing products into the web of the laminator so they are processed one at a time.

Flush-cut: "No margins"; dimensions of product=dimensions of laminate coating.

Front margin/Front cut: Leading edge of product as it passes through trimmer.

Jog: To move the web forward or backward in small deliberate increments; "manual trim".

Heat Seal lamination: Lamination using a combined heat and pressure web process.

Laminate: The coating material chosen for the job. Usually mounted in rolls.

Laminator: Machine that uses encapsulation lamination technology to cover one or two sides of a product.

Line pressure: Air pressure in main line; maximum pressure available.

Make-ready: Inexpensive material of same dimensions as actual product.

Margins: Generally, the specific amount by which the laminate coating exceeds the dimensions of the encapsulated product.

Mil(s): Unit of measurement referring to thickness of laminate.

Opaque: Cloudy.

Optical eye: Electrical sensing device which "looks" for product within moving web in order to determine where to make cut.

Path: Area through which web travels.

PSI: Pounds per square inch. Used to measure air pressure.

Rear margin: Trailing edge of product as it passes through trimmer.

Safety interlock: Any circuit that disables machine temporarily for safety reasons.

Test cut: "One cut" in manual mode to see how machine will perform in automatic mode.

Torque: Tendency of a web in continuous output to "pull" slightly to the left or right. Slight torquing may be hard to determine with the naked eye.

Waste: Material from web that does not end up in final product; excess trim.

Web: The continuous feed of product generated as output from laminator.

Warranties and Notices

Limited Warranty

Your GBC 7330 Auto-Cutter is warranted to be free of manufacturing defects for a period of 1 year from initial purchase. During this period repairs or replacement (at vendor's option) will be done at no charge to the customer. If unit is serviced on site, vendor reserves the right to designate agents or subagents to perform such repairs. Vendor expressly denies liability for any such repair or service resulting from incorrect or negligent handling, shipping, operation or maintenance of the unit. Vendor's liability hereunder is expressly restricted to the cost of such parts or service only. No other warranties, conditions, or representations, express or implied, by operation of law or otherwise, are given.

Warning Notice

Your GBC 7330 Auto-Cutter contains a built-in safety interlock. The GBC Auto-Cutter is guarded for your protection. GBC will not assume responsibility for any injury incurred if guards are removed. GBC will not assume liability for any damage caused resulting from an unauthorized repair of this unit.