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OPERATOR'S MANUAL



Model 31 Manual Lever Cutter

PRODUCTION WIRE PROCESSING EQUIPMENT

Website: www.carpentermfg.com • e-mail: wire@carpentermfg.com

CARPENTER MODEL 31 MANUAL LEVER CUTTER

INTRODUCTION

Thank you for choosing Carpenter Mfg. Co. Inc. Wire Processing Equipment. For over 45 years Carpenter has been a leader in Wire Processing Technology and Service. Our desire has always been to bring you reliable products. We look forward to a long healthy relationship with you and our company.

The MODEL 31 can process a wide range of cables as referenced on the following page.

These processing specifications are based upon the most commonly manufactured cables. Special applications may arise with cables that are within the specification limits of the machine but are very difficult or unsuccessful to process. Likewise, cables that exceed the specified limits of the machine can sometimes be processed. Because there are many variables involved in Wire Processing we strongly recommend a free Wire Evaluation at our factory followed by a demonstration from a Carpenter representative to insure the ultimate success of your Wire Processing Application.

This operating manual explains how to operate the MODEL 31 as well as some troubleshooting tips. To ensure the best performance of your machine, read this manual carefully until you familiarize yourself thoroughly with its operation and features.

After you have read through the manual, keep it available for reference.

Use this manual as a quick and handy reference tool for clarifying any questions that may arise. If you have any questions about this machine or service please let us know.

Our phone number is 315.682.9176, fax number 315.682.9160,
Website: www.carpentermfg.com, E-mail: wire@carpentermfg.com.

Carefully unpack the Carpenter MODEL 31.

We recommend that you keep the original box and packaging as it will protect the machine for future transportation if necessary.

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IMPORTANT NOTICE

The products in this shipment left our facility in good working condition.

Their safe delivery is the responsibility of the carrier that delivered this shipment to you.

Our stated shipping terms are F.O.B. our facility at 110 Fairgrounds Drive, Manlius, NY 13104.

According to applicable laws, the responsibility for this shipment was transferred to you as soon as the carrier accepted the goods at our warehouse.

If concealed damage is discovered after unpacking this shipment, you must submit a damaged freight claim with the carrier.

Carpenter Mfg. Co., Inc. cannot submit your claim for you.

In order for you to collect for concealed damage, the carrier must be notified with 5 days of the date you receive this shipment.

You must leave the damaged items and packing material as is (i.e. return all merchandise and all packing material to the shipping container) until the claim has been inspected by the carrier.

Also, the carrier will not accept a claim if the goods have been moved from the point of the carriers delivery to another street address.

If you have any questions or problems, please give us a call at (315) 682-9176.

CAUTION

This equipment comes equipped with a
LEXAN safety guard.

****IMPORTANT****

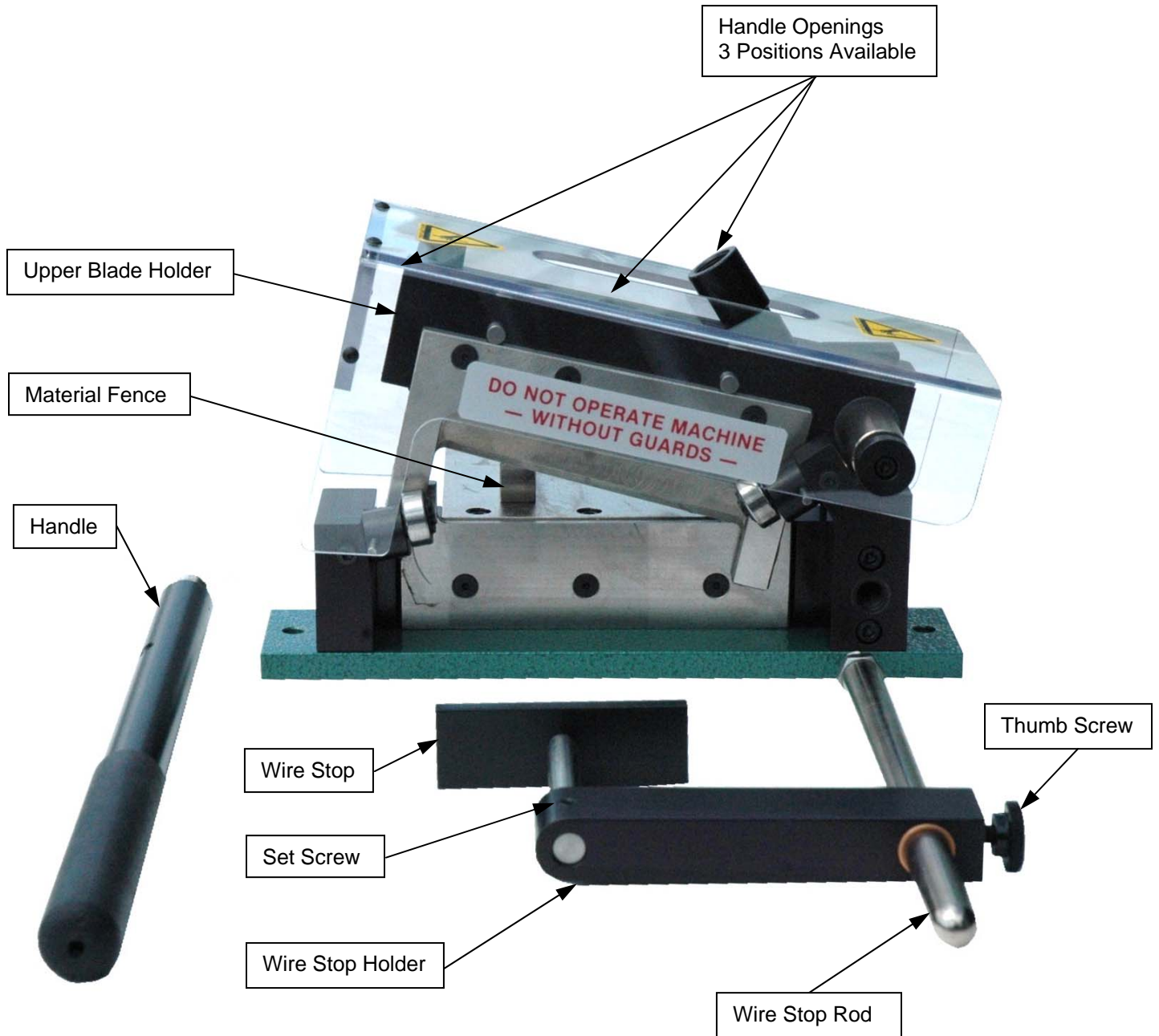
Do not attempt to defeat the function
or purpose of this safety guard.

Serious injury to the operators' eyes, fingers or other body
parts may result from attempts to operate this equipment
with the safety guard in the raised position.

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MACHINE CONTENTS

PLEASE REFER TO PAGE 5 FOR INSTALLATION PROCEDURES



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APPLICATION

The Model 31 is a hand operated cutter designed exclusively for cutting cable and tubing up to 1.25" diameter and Flat Ribbon Cable up to 4" wide.

SAFETY GUARDING

The Model 31 comes equipped with LEXAN guarding. ****IMPORTANT** DO NOT ATTEMPT TO DEFEAT THE FUNCTION OR PURPOSE OF THE SAFETY GUARD. SERIOUS INJURY TO THE OPERATOR'S EYES, FINGERS OR OTHER BODY PARTS MAY RESULT FROM ATTEMPTS TO OPERATE THE MODEL 31 WITH THE SAFETY GUARD IN THE RAISED POSITION.**

MACHINE SET UP

- Secure Model 31 to a work bench. There are two holes in the base of the unit intended for that purpose. Make sure the unit is securely fastened before you begin operation.
- Install the Handle by threading it into the Upper Blade Holder. There are 3 handle positions available depending upon the type of material being cut and the mechanical advantage necessary for that material. Choose an appropriate setting and secure. ****IMPORTANT**** It is very important that the handle is properly installed. Tighten the handle into the selected opening. To completely secure it, place a screwdriver (or similar object) into the cross hole located about midway up the handle. Use the screwdriver as leverage to properly tighten the handle.
- Thread the Wire Stop Rod Assembly into the treaded hole on the right side of the base. Tighten the rod until the etched scale can be easily read by the operator, secure in place with Hex Nut. Next, loosen the Thumb Screw and slide the Wire Stop Holder over to the "0" measurement on the Wire Stop Rod. Secure in place with Thumb Screw. Lastly, loosen Set Screw and slide Wire Stop to the Bottom Blade. Tighten Set Screw to secure Wire Stop and calibration is complete.

CUT LENGTH ADJUSTMENT

Cut length adjustments are done by loosening the Thumb Screw and sliding the Wire Stop to your specified length. The Wire Stop Rod is labeled in inches to facilitate your cut length set up.

MATERIAL FENCE

The Model 31 comes equipped with a Material Fence. This is intended to assist in the guidance of the material along the Feed Platform. To adjust the Material Fence simply loosen the Thumb Screws, adjust, then securely retighten the Thumb Screws.

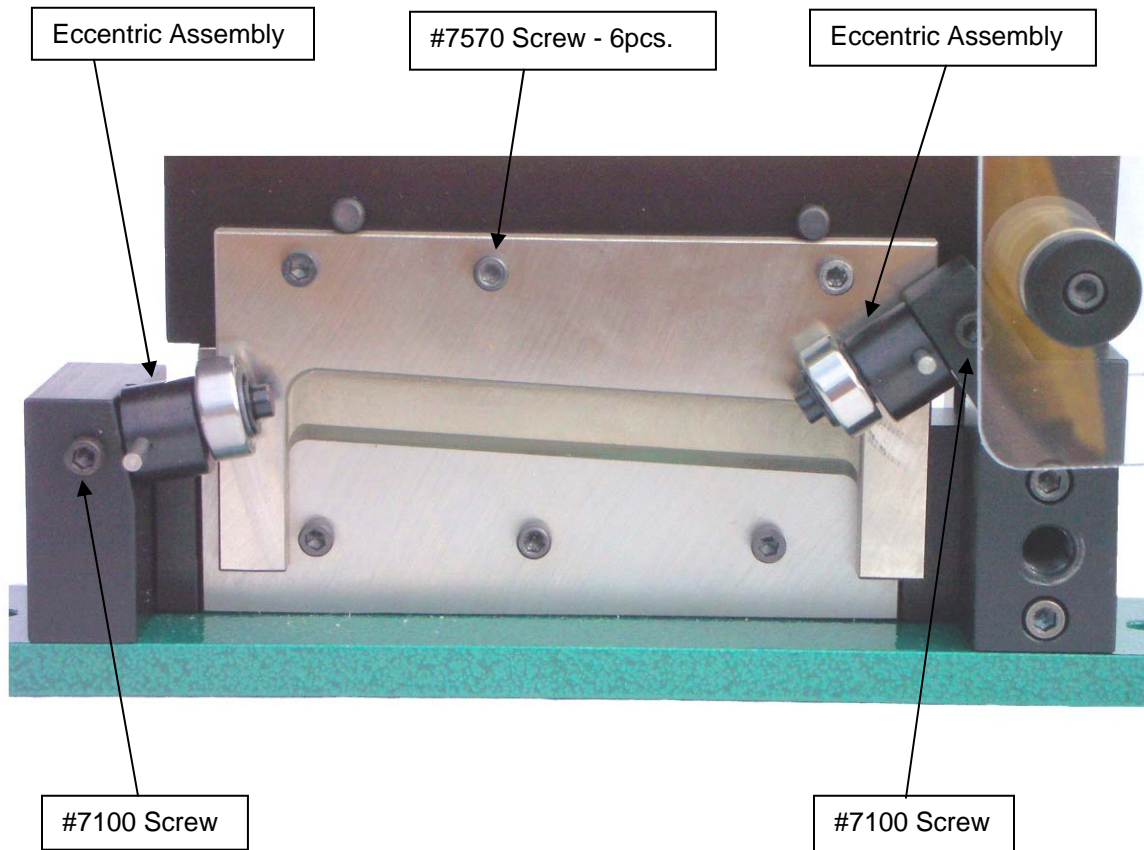
MACHINE OPERATION

The material being cut is fed from left to right across the Feed Platform. Position material up to the Wire Stop and press the lever down. Make sure the Safety Guard is in the proper closed position before engaging the lever. NOTE: When processing some cables 1" and over it may be necessary to unbolt and remove the Material Platform to allow sufficient clearance. You may want to make a test cut to determine which setup is appropriate.

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BLADE CHANGE

1. Depress Lever to close the blades.
2. Loosen 2pcs. **#7100** Screw and remove both Eccentric Assemblies from unit.
3. Remove 6pcs. **#7570** Screw from Upper and Lower Blades. Remove blades.
4. Clean all surfaces areas with a soft bristle brush.
5. Install **#6019** Bottom Blade. Reinstall screws and tighten.
6. Install **#6018** Top Blade. Reinstall screws and tighten.
7. Reinstall Eccentric Assemblies with blades remaining in the closed position. Apply light pressure to the Top Blade by rotating the Eccentrics upwards. Tighten in place with **#7100** Screws. This pressure will keep the Top Blade from dropping down when the blades are in the open position.



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WARRANTY

Carpenter Mfg. Co., Inc. manufactures its products to be free from defects in materials and workmanship. Should any defect occur within 1 year after shipment, Carpenter Mfg. Co., Inc. will at its option, exchange or repair the defective device.

Repairs or adjustments to equipment under warranty can be performed at our factory or at the customer location, at the option of Carpenter Mfg. Co., Inc. In most cases a 1-2 day turn around time will be necessary to repair equipment at our facility. When equipment is returned to our factory for repair or replacement, freight charges will be borne by the customer. Repaired or replaced equipment will be returned at Carpenter's expense via U.P.S. ground service. If alternate shipping is requested by the customer, the difference in shipping charges will be billed to the customer.

This is a limited warranty and is in lieu of all other representations and expressed and implied warranties (including the implied warranties of merchantability and fitness for use.) Under no circumstances shall Carpenter Mfg. Co., Inc. be liable for any incidental or consequential property damages or losses subsequent to misuse or improper maintenance of this equipment.

Not covered by this warranty are:

- Consumable parts (blades, belts, guides, springs, inserts, stripping wheels, etc.)
- Cosmetic problems (nicks, scratches, etc.)
- Damages caused by any repairs or modifications by unauthorized personnel
- Abuse
- Damage caused by shipping
- Damage caused by environmental and/or atmospheric conditions.
- Damage caused by the use of contaminated compressed air.