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OPERATOR'S MANUAL



Model 56A Prefeed / Dereeler

PRODUCTION WIRE PROCESSING EQUIPMENT

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

INTRODUCTION

Thank you for choosing Carpenter Mfg. Co. Inc. Wire Processing Equipment. For over 50 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 56A can process a wide range of wires as referenced on the following page.

These processing specifications are based upon the most commonly manufactured wires. Special applications may arise with wires that are within the specification limits of the machine but are very difficult or unsuccessful to process. Likewise, wires 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 56A. 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 56A.
We recommend that you keep the original box and packaging as it will protect the machine for future transportation if necessary.

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 within 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

****IMPORTANT****

**This equipment comes equipped with a
LEXAN Safety Guard.**

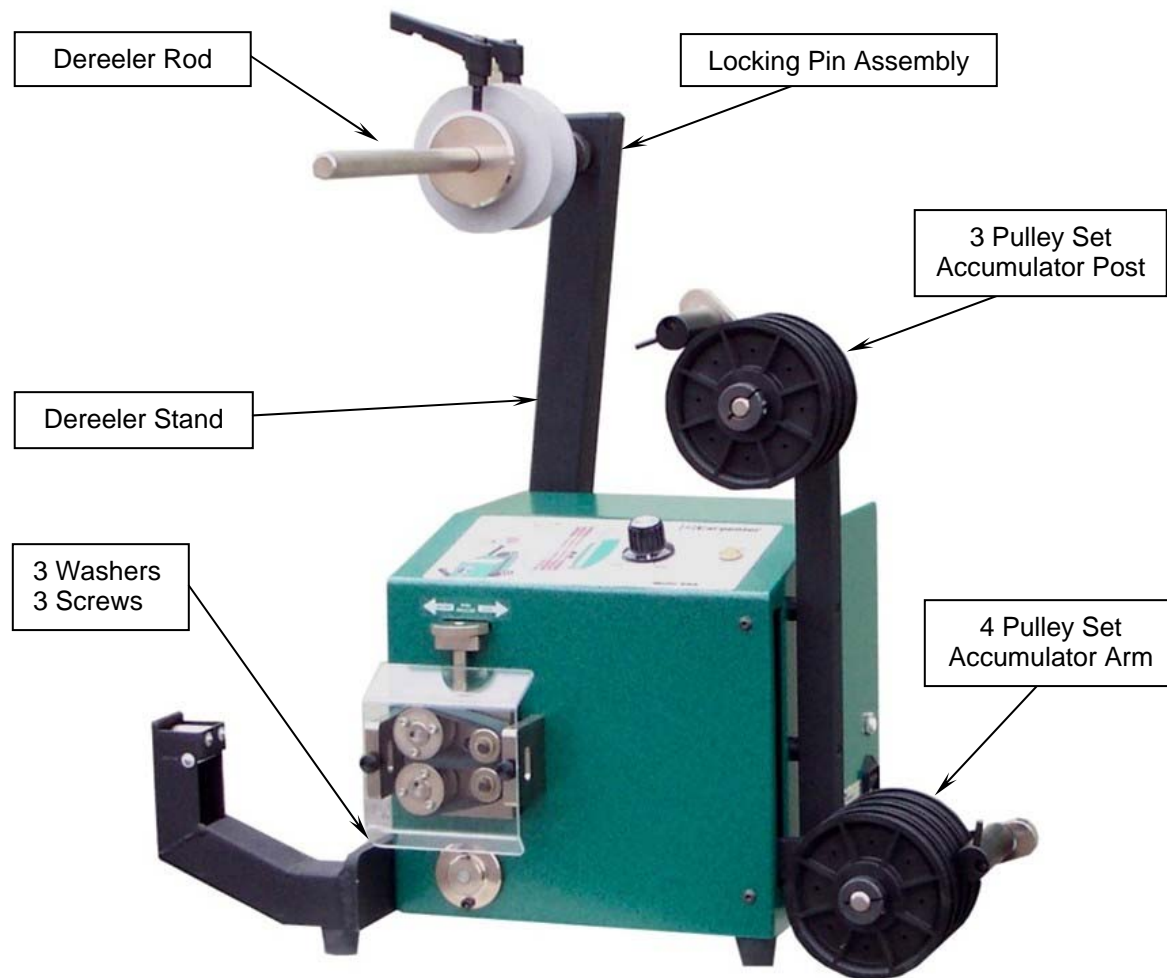
**Do not attempt to defeat the function
or purpose of the Safety Guard.**

**Serious injury to the operators' eyes, fingers or other body
parts may result from attempts to operate this equipment
without the Safety Guard installed.**

INSTALLATION INSTRUCTIONS

The Model 56A has been disassembled for shipping purposes and will require some assembly. Please remove all parts from their shipping containers. You will need a 3/16" Allen Hex Wrench to install the components to your machine.

1. Located on the left side of the Model 56A are 3 washers and screws, remove them from the machine. Attach the Dereeler Stand to machine using these washers and screws.
2. Attach the 3 pulley set to the top of the Accumulator Post. The screw is located on the back of the shaft attached to the pulley set.
3. Attach the 4 pulley set to the top of the Accumulator Arm. The screw is located on the back of the shaft attached to the pulley set.
4. Be sure to firmly tighten all screws after installation of each component.
5. Insert Dereeler Rod into the stand and secure with Locking Pin Assembly.



CARPENTER MODEL 56A PREFEED / DEREELER

****IMPORTANT****

PLEASE READ ENTIRE INSTRUCTIONS BEFORE OPERATING MACHINE

APPLICATION

The Model 56A Prefeed/Dereeler is designed to assist in unwinding spools of material before entering a cutting machine or a measure, cut and stripping machine. The Model 56A Prefeed/Dereeler allows the cut and/or stripping machine to operate without the strain of pulling material from the dead weight spools.

CAPABILITIES

PREFEED: Round cable or tubing up to .200"(5.08mm)
Feed speed up to 440 ft./min. (7.3 ft./sec.)

DEREELER: Spool diameter 18"; Spool length 14"; Spool weight 60 lbs. (All maximums)

SAFETY GUARDING

THIS EQUIPMENT COMES EQUIPPED WITH A LEXAN SAFETY GUARD. DO NOT ATTEMPT TO DEFEAT THE FUNCTION OR PURPOSE OF THE SAFETY GUARD. SERIOUS INJURY TO THE OPERATORS' EYES, FINGERS OR OTHER BODY PARTS MAY RESULT FROM ATTEMPTS TO OPERATE THIS EQUIPMENT WITHOUT THE SAFETY GUARD INSTALLED.

MACHINE SET-UP

See installation instructions on Page 4.

OPERATION

1. Install your spool of material on the Dereeler spool holder between cones. Make sure Axel is secured in the frame by using the locking pin.
2. Plug cord into proper electrical outlet. Turn machine On/Off at the switch located on the right side of the cabinet. When the machine is on, the yellow light on top of the cabinet will be lit.
3. To load the machine begin by feeding material through the fixed roller guides on the Dereeler frame and then between the feed belts. With machine turned on, lift up on the bottom accumulator pulleys, this will drive the belts forward feeding the material through. Once ample material is fed through the belts, open up the upper and lower cams that cover the accumulator pulleys, this will allow you to wrap the material around the pulleys.

CARPENTER MODEL 56A PREFEED / DEREELER

OPERATION

cont.

To feed material around and through the accumulator pulleys reference the diagram on the top of the machine. When the pulleys have been completely threaded, and the upper and lower cams have been closed, continue with the end of your material and load your cut and/or stripping machine.

4. Adjust belt pressure with the Feed Belt Adjustment Knob. The adjustments read **MORE** and **LESS**. The goal, for this adjustment, is to achieve enough pressure so the material doesn't slip. Too much pressure will result in premature belt wear.
5. The Speed Control Knob is located on the top of the machine. The goal, for this adjustment, is to achieve an even flow or movement of the lower Accumulator Pulleys in an up and down motion which is consistent with the speed of your cut and/or stripping machine.

CIRCUIT BREAKER

In the event that the Circuit Breaker **#5508**(located on the side of the cabinet) "pops" out, you must wait 10-15 minutes before re-setting. To reset, simply push the white button back into the housing.

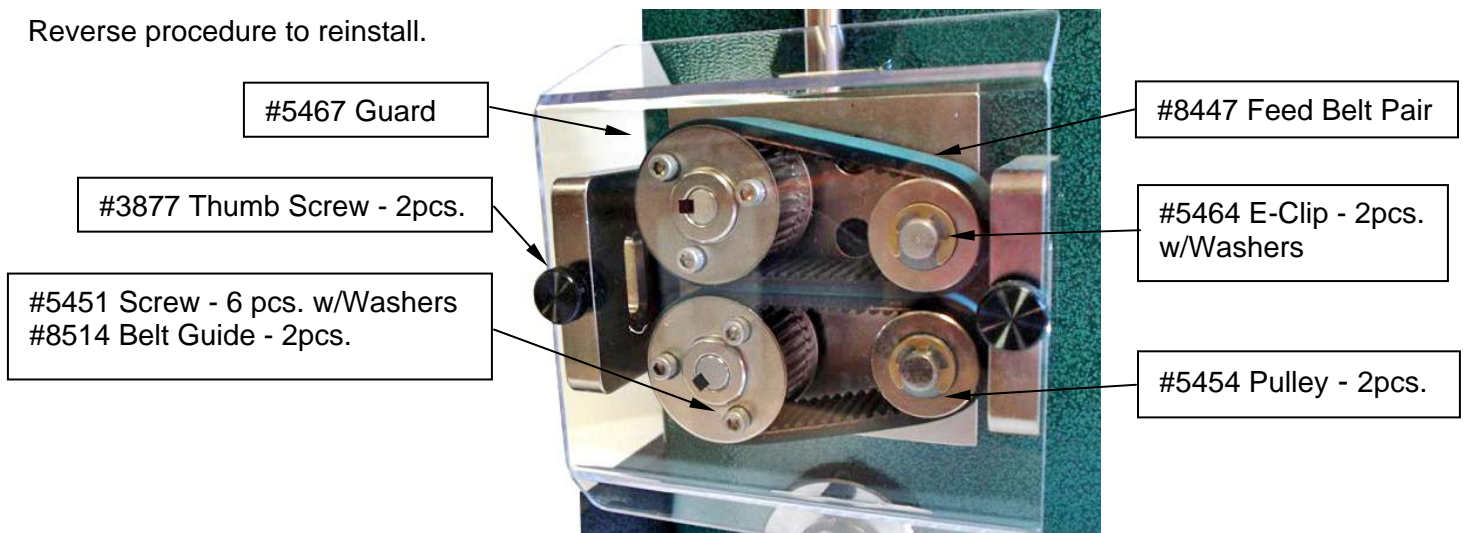
ACCUMULATOR ARM WEIGHT KIT (OPTIONAL)

The Model 56A can be equipped with an optional Weight Kit **#56A-WK** for the Accumulator Arm (lower pulley set). The weight kit may be necessary when prefeeding material that has excessive memory or rigid construction. Contact the factory for purchase information.

BELT CHANGE

1. Turn machine off and unplug.
2. Unscrew 2pcs. **#3877** Thumb Screws and remove **#5467** Guard
3. Separate belts via the Feed Belt Adjustment Knob.
4. Remove 6 pcs. **#5451** Screws with Washers and 2 pcs. **#8514** Belt Guides. Then remove 2 pcs. **#5464** E-Clips with Washers. Gently slide the **#8447** Feed Belts and **#5454** Pulleys off the machine.

Reverse procedure to reinstall.



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.