



SWEED MACHINERY

*“Turning unmanageable scrap into
manageable assets.”*

300 AD BANDIT



SERIAL NO: _____

TOLL FREE PHONE
PHONE
FAX

1-800-888-1352
1-541-855-1512
1-541-855-1165

MA009671



FOREWORD

THE PURPOSE OF THIS MANUAL IS TO FAMILIARIZE QUALIFIED INDIVIDUALS WITH THE OPERATIONAL PROCEDURES OF THE SWEED 300 BANDIT SCRAP CHOPPER.

THE MANUFACTURER RECOMMENDS THAT USERS FAMILIARIZE THEMSELVES WITH THE APPLICATIONS AND USE OF THIS MACHINE PRIOR TO OPERATION.

THE SWEED SCRAP CHOPPER IS AN INDUSTRIAL GRADE MACHINE, HAVING A WIDE RANGE OF CAPABILITIES. HOWEVER, THE SWEED SCRAP CHOPPER SHOULD NOT BE USED FOR ANY PURPOSE OTHER THAN THE ONE FOR WHICH IT IS DESIGNED. IN ORDER TO PROVIDE DEPENDABLE AND SAFE SERVICE, THIS CHOPPER MUST BE OPERATED BY TRAINED PERSONNEL WEARING EYE PROTECTION AND GLOVES.

PERSONNEL OPERATING THE MACHINE MUST UNDERSTAND THE TYPE OF MATERIAL THE CHOPPER IS CAPABLE OF PROCESSING.

ANY MISUSE OF THE SWEED SCRAP CHOPPER CAN BE DANGEROUS. ALL OPERATORS SHOULD BE FAMILIAR WITH THE GENERAL OPERATING INSTRUCTIONS AND WARNINGS.

NOTE: IT IS THE OWNERS RESPONSIBILITY TO INSTALL THE SWEED SCRAP CHOPPER IN CONFORMANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND TO INSTRUCT PERSONNEL IN SAFE OPERATING PROCEDURES.



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300 AD BANDIT BANDING CHOPPER

INTRODUCTION

The Sweed 300 AD Bandit banding chopper not only looks good, but also performs well. It consumes banding at a rate over 100 feet per minute cutting it into 2 1/4" pieces. Chopping multiple straps of plastic banding is not a problem and can easily handle 3/4" steel banding with clips. In addition to the Bandit's great cutting capacity, it is also very portable. Two people can easily transport the machine to different locations using the handles located at each end. The Bandit sits securely and conveniently atop a 55 gallon drum and can be mounted to the top of a Sweed Modular stand for the ultimate in convenience and mobility. Configured with a Modular stand, the machine can be placed above various sized material containers from barrels to Gaylord hoppers and self dumping hoppers, making the Bandit one of the most versatile chopping machines.

PERFORMANCE DATA

• Electric Motor Power.....	1/2hp
• Infeed Speed.....	109fpm
• Cut Length.....	2 1/4"
• Number of Rotating Knives.....	1
• Number of Stationary Knives.....	1

ELECTRICAL DATA

- 1-Phase –120 Volt—60 Hz –8 amps.

CUTTING CAPACITY

The 300 Bandit can chop multiple stands of plastic banding and 3/4" steel banding with clips. Typical processed material is as follows:

- 3/4" x .031" steel banding with clips
- 5/8" x .030" plastic/poly straps
- 3/4" x .050" poly straps



MACHINE LOCATION

The 300 AD Bandit needs to be placed on a sturdy, undamaged 55 gallon drum on a level surface or mounted on a Sweed Modular stand. Locate the electrical cord so as to prevent a tripping hazard.

MACHINE OPERATION

DO NOT LOOK INTO OR PLACE YOUR HAND INTO THE FEEDWORKS WHILE MACHINE IS POWERED.

Before you operate the machine, make sure you are wearing safety glasses and gloves.

The 300 AD Bandit is easy to operate. After the machine is placed on a 55 gallon drum or Modular stand, plug the power cord into a 120 volt outlet and start the machine. The start button is located under a clear sealed covering adjacent to and below the large red stop button. With the machine running, introduce the material to be chopped into the in-feed opening. The feed works should grab the material and pull it into the cutting knives. Sometimes the material is of awkward size or shape and the feed works may need some help getting started. This is done by pulling back a little, on the spring loaded feed works handle, placing the material further into the feed works and return-

ing the handle to its normal position. The chopped material is discharged out the underside of the machine.

To shut off the Bandit, compress the large red button located on the right side of the machine. This will kill the power to the cutting knife and the feed works. To restart, lift up and twist the red stop button to reset, before pressing the start button to power up the machine.

The machine is easily portable and should be moved by two people if not mounted on a stand with casters. Do not lift the machine except by the tubing handles located on the front and rear of the machine. At no time should the machine be moved if it is powered up or in motion.

DANGER: DO NOT MOVE THE MACHINE WHILE POWERED OR IN MOTION.



MACHINE MAINTENANCE

GENERAL MAINTENANCE

- The main bearing should be greased with no. 2 NLGL or a multipurpose ball bearing grease. Grease should be applied to the machine once a week and should be checked every 24 hours of operation.
- The grease needs to be added slowly to avoid damaging the bearing seals.
- All chains should be periodically inspected, cleaned and re-lubed.

ALWAYS DISCONNECT THE POWER TO THE MACHINES BEFORE DOING ANY MAINTENANCE

KNIFE ROTATION AND REPLACEMENT

The Bandit knives have four knife edges and are rotated when one edge becomes dull.

To rotate the flywheel knife:

- Disconnect power.
- Remove the four button head cap screws holding the guard in place.
- Unscrew the thumb screw holding the housing lid in place, slide lid forward and lift off to expose the cutting chamber.
- Loosen and remove the two bolts holding the knife in the flywheel assembly.
- Be sure to blow off knife pockets and wipe clean. Wipe down the knives with a suitable solvent. With the new knife edges in place, snug down the bolts.
- Tap the knife with a brass hammer to make sure the knife is seated properly. Draw the knife bolts down evenly and torque each to **62 ft-lbs**. Check the gap between the rotary and stationary knives. The gap should be a minimum of .002" and a maximum of .003". See "SETTING THE KNIFE GAP" section.

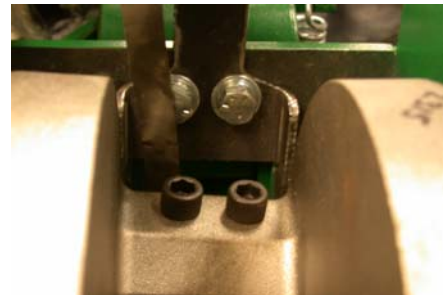


To rotate the stationary knife:

- Disconnect power.
- Remove the four button head cap screws holding the guard in place.



- Unscrew the thumb screw holding the housing lid in place, slide lid forward and lift off to expose the cutting chamber.
- Remove material guide which straddles the stationary knife.
- Lift chain off sprockets by first depressing the chain tensioning arm.
- Unbolt the three bolts holding feed works to the housing.
- Loosen and remove the two bolts holding the knife in the housing.
- Wipe down the knife and housing face with a suitable solvent. With the new knife edges in place, snug down the bolts.
- Tap the knife with a brass hammer to make sure the knife is seated properly. Draw the knife bolts down evenly and torque each to **62 ft-lbs**. Check the gap between the rotary and stationary knives. The gap should be a minimum of .002" and a maximum of .003". See "SETTING THE KNIFE GAP" section.



SETTING THE KNIFE GAP

- Disconnect power.
- Remove the four button head cap screws holding the guard in place.
- Unscrew the thumb screw holding the housing lid in place, slide lid forward and lift off to expose the cutting chamber.
- Check the knife gap using feeler gage. The gap should be a minimum of .002" and a maximum of .003".
- To change the knife gap, loosen the nuts holding the main bearings to the housing. Don't totally remove tension on the bearing bolt but leave snug. Using a brass rod and hammer or brass hammer, strike the bearing mounting flanges to adjust the gap. After each strike check the knife gap with a .002" or .0025" feeler gage. After desired gap is obtained evenly torque down nuts to **54 ft-lbs**.
- Check the knife gap again to verify no movement occurred. If movement occurred repeat until desired gap is obtained.





TROUBLE SHOOTING

PROBLEM	CAUSE	SOLUTION
MATERIAL FEED STOPS	Too large of a gap exist between the feed rolls	Adjust the set screw on the side of the feed works to close the gap further
	Banding is twisted or bent	Straighten out bent portion or remove it.
	Worn feed rolls	Replace feed roll
MACHINE FAILS TO CUT	Material is too large for machine	Run appropriate size material into the machine
	Knife edges are dull	Rotate or replace knives
MACHINE WILL NOT START OR STOP RUNNING	Motor protection tripped	Reset motor
	Broken drive belt	Replace belt
	Failed electrical service	Check circuit power
	Switch failure	Replace switch



RECOMMENDED SPARE PARTS

QTY	PART NO.	DESCRIPTION
1	BX021695	BELT, 'V' A 35
2	CB000305	300 BANDIT KNIFE D-2



WARRANTY

SWEED MACHINERY'S 300 AD BANDIT CHOPPER IS WARRANTED AGAINST DEFECTS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF SHIPMENT. PARTS CLAIMED TO BE DEFECTIVE MUST BE RETURNED, FREIGHT PREPAID, TO OUR PLANT IN GOLD HILL, OREGON. ANY PARTS DETERMINED DEFECTIVE DUE TO FAULTY WORKMANSHIP OR MATERIALS WILL BE REPLACED OR REPAIRED(AT OUR OPTION) FREE OF CHARGE, F.O.B. OUR PLANT. EXCEPT AS EXPRESSLY PROVIDED HEREIN, THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF MERCHANT ABILITY OF FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY IS VOID IF THE UNIT HAS BEEN TAMPERED WITH, MODIFIED, ALTERED, OR OPERATED WITH PARTS OTHER THAN SUPPLIED OR RECOMMENDED BY SWEED MACHINERY, INC. IN NO EVENT SHALL SWEED MACHINERY, INC. BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, HOWEVER ARISING.

SWEED MACHINERY, INC DOES NOT WARRANTY THIS MACHINE TO MEET THE REQUIREMENTS OF ANY SAFETY CODES OF ANY STATE, MUNICIPALITY, OR OTHER JURISDICTION, AND THE PURCHASER ASSUMES ALL RISK AND LIABILITY WHATSOEVER RESULTING FROM THE USE THEREOF WHETHER USED SINGULARLY OR IN COMBINATION WITH OTHER MACHINERY OR APPARATUS.

ANY CHANGE IN MATERIALS, DESIGN, OR PERFORMANCE INTENDED TO IMPROVE ANY PRODUCT OF SWEED MACHINERY, INC. SHALL NOT OBLIGATE SWEED MACHINERY, INC. TO MODIFY ANY PREVIOUSLY MANUFACTURED EQUIPMENT.

SWEED MACHINERY INC.

NOTE: ALL RETURNED MATERIAL MUST BE ACCOMPANIED BY A SWEED RETURN AUTHORIZATION NUMBER. PLEASE CALL OUR SERVICE DEPARTMENT AT 1-800-888-1352 IF YOU NEED HELP WITH THIS ORDER.