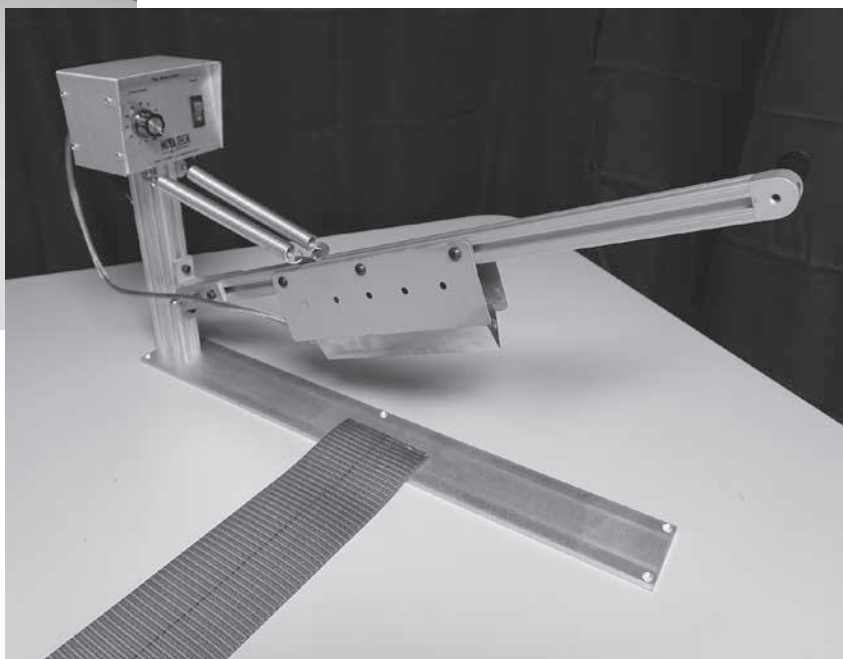
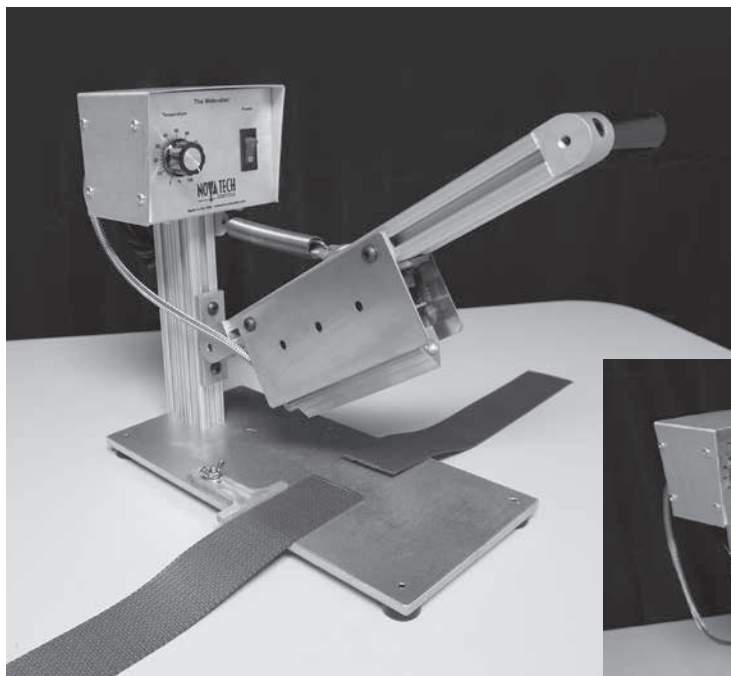


RX-80/RX-84 USER'S MANUAL



Abbeon Cal, Inc.

Industrial Plastic Working Equipment & Precision Instruments

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IMPORTANT SAFETY INFORMATION

READ THIS FIRST!

These safety precautions should always be followed when operating this device:

1. Read all instructions thoroughly and carefully before operating this device.
2. NEVER allow combustible materials to be placed near this device because of the potential for fire.
3. NEVER touch hot surfaces on or around the knife. This device may be capable of producing temperatures in excess of 1000° F (540°C).
4. NEVER use this device near water; do not immerse this device in water to clean it.
5. Cutting any type of material with this device will produce fumes which should be considered hazardous to the user if inhaled. IT IS THE USER'S RESPONSIBILITY TO ENSURE THAT THIS DEVICE IS USED IN A PROPERLY VENTILATED SPACE.
6. ALWAYS unplug this device when not in use. Allow all parts to cool before performing any maintenance, replacing parts, or shipping.
7. NEVER operate this device with a damaged or modified power cord, or if the unit has malfunctioned or appears damaged in any way. Call the manufacturer or dealer if you encounter any problems with this device.
8. NEVER use this device outdoors.
9. NEVER allow the power cord to come in contact with a hot surface, knife or heater.
10. ALWAYS turn the power switch to "OFF" before unplugging this device.
11. NEVER use this device for other than its intended use.

SAVE THESE INSTRUCTIONS!

Safe Use and Operation of many models, including (but not limited to) these models:

RX-80-BDL
RX-80-BHL
RX-80-SBL

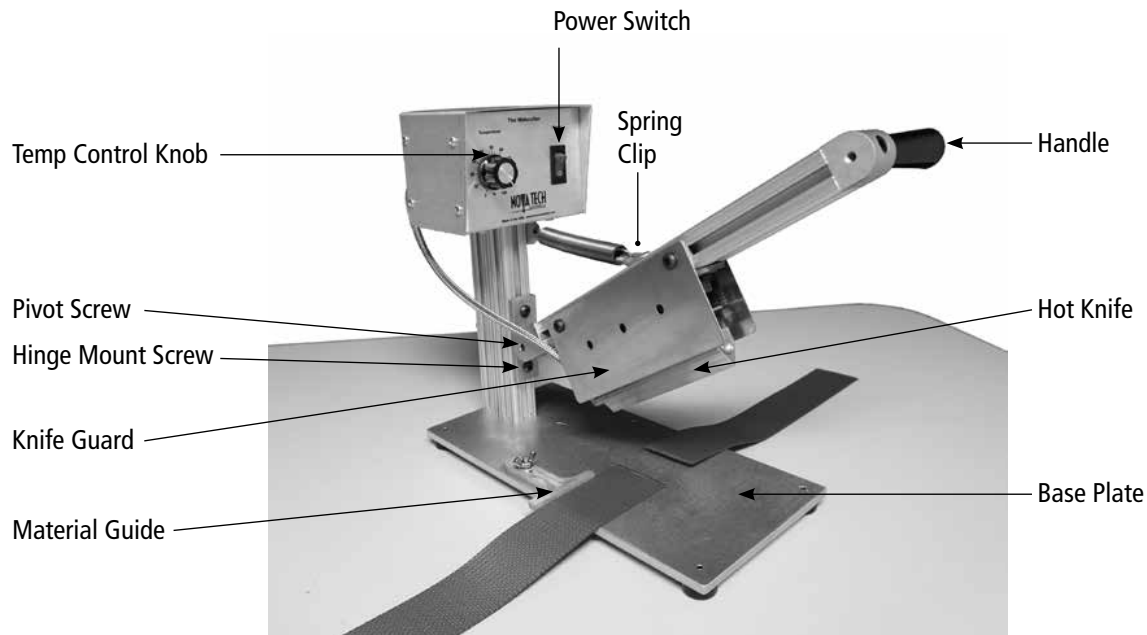
RX-80-BAL
RX-80-S33
RX-80-SHL

RX-80-B33
RX-80-S44
RX-80-SPL

RX-80-BEL
RX-80-SAL
RX-80-V2S

IMPORTANT: READ THIS ENTIRE MANUAL BEFORE USING THIS DEVICE!

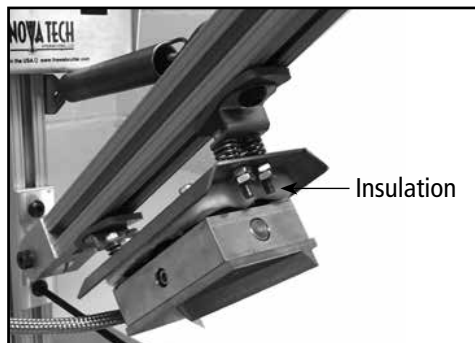
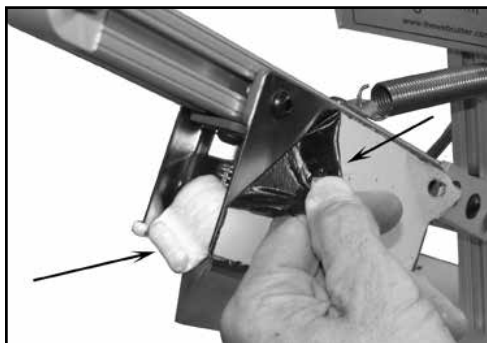
RX-80 COMPONENTS



RX-80 SET-UP

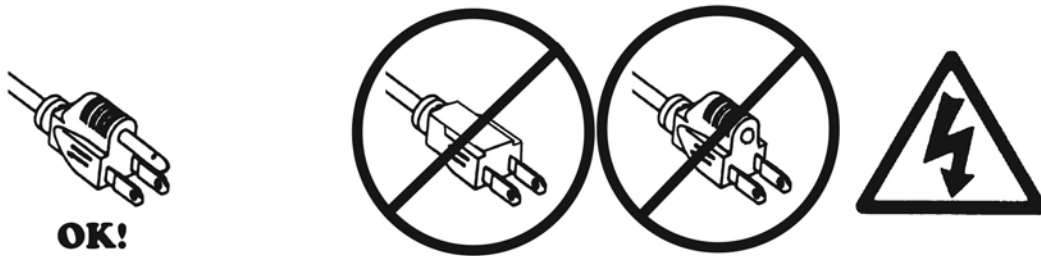
Carefully inspect the area around the knife for combustible or flammable material. Remove any packing material and / or protective film from the machine as shown. **DO NOT REMOVE INSULATION.**

The handle is shipped unattached to the machine to prevent breakage. Attach the handle to the end of the lever as shown. The handle may be attached to either side of the lever. Ensure there is an orange insulating washer between the handle and the machine.



USER INSTRUCTIONS

1. READ FIRST all the important Safety Information on the previous page.
2. Remove any packing material or debris from around the knife. Remove the protective film from the knife guard plates, if present. Do not remove fiberglass insulation if knife is insulated
3. Plug the device into a 120V (or 230V) GROUNDED outlet. Turn on the power. Ensure that the plug on this device is a 3-prong GROUNDED plug. Do not use this machine if any of the prongs on the plug are missing, or if the machine appears to have been modified or damaged in any way.



4. Adjust the Material Guide on the base plate by loosening the wing nut. Do not allow the knife to touch the Material Guide.
NOTE: Both the Material Guide and Handle on this machine may be used on either the left or right side, depending on the preference of the user.
5. Set the Heat Control Knob to a setting of about 7 or 8 and allow the device to heat up for about 5 to 10 minutes before using. Increase heat setting if needed.
6. Make a few test cuts to ensure that the device is operating at a suitable temperature. Adjust the Heat Control up or down as needed. Note that it takes this device much longer to cool down than to heat up.
7. To ensure the longest possible blade life, **allow this device to cut using heat**, not force. Excessive force on the handle is not needed to cut material with this device.
8. Occasionally shift the material to evenly distribute the wear on the hot knife edge. Cutting in the same place on the knife will cause it to wear unevenly.
9. Do not lubricate this machine. To maintain this device properly, keep it clean and free of paper, webbing, waste, and any debris which can ignite. Keep the Base Plate and the area around clean and free of any material not being cut. A piece of SOFT wood may be used occasionally to remove melted material from the edge of the knife while hot. Use of a razor window-scraper on the Base Plate will remove melted residue that accumulates there.
10. Periodically check this device for loose or missing fasteners when cool. Tighten or replace loose or missing fasteners.

If this device fails to heat or appears to malfunction in any way, call the manufacturer or dealer for service immediately. Do not use this device if it appears damaged in any way.

TROUBLESHOOTING

Use this Troubleshooting reference to determine if your device requires factory repair.

PROBLEM: Incomplete or uneven cutting (when knife is hot).

- Check that the knife is aligned with the base plate evenly. If the knife and base plate are not evenly aligned, see Page 5 for instructions on how to adjust the knife alignment.
- Check that the cutting edge of the knife is not damaged, chipped or excessively worn. Replace the knife if damaged or worn.

PROBLEM: Lever does not move freely or return to up position.

- Check for missing or loose pivot screws on each side of the hinge.
- Check that the spring clip is tightly fastened to the arm. Spring tension is controlled by moving the spring clip on the arm.

PROBLEM: No heat; not enough heat.

- Check the setting of the heat control knob.
- Check that the heater cartridge is fully inserted in the knife WHEN THE KNIFE IS COLD. The heater cartridge should not be loose.
- Check that the power lamp is lighted when the power switch is ON.

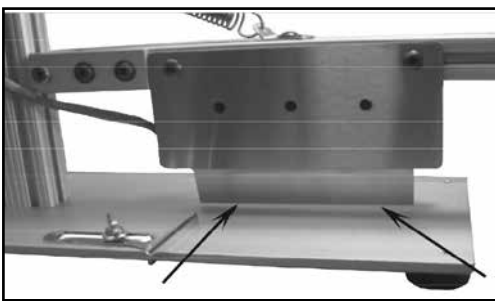
PROBLEM: No heat, power lamp does not light.

- Blown fuse, open heater control, or damaged heater. Call for service instructions.



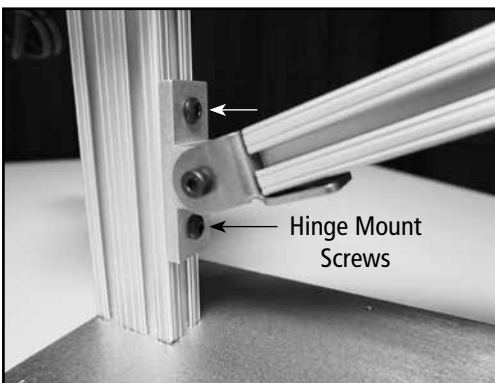
NOTE: NEVER perform any electrical repairs on this unit, but refer all electrical problems to the manufacturer for service.

ADJUSTING THE KNIFE ALIGNMENT



Adjust the knife alignment when the cutting edge is not parallel to the base plate.

Check the alignment with the knife lowered against the base plate. Both ends of the knife should be touching the base plate.



To adjust the knife alignment:

Remove the extension spring from the spring clip and raise the knife as far as it will go.

Slightly loosen the hinge mount screws with a 5/32" hex wrench as shown.

Slide the hinge up or down as needed to align the knife. (Rotate if needed to align shaped knives.)

Re-tighten the hinge mount screw and re-connect the spring.



NOTE: NEVER adjust the knife when it is hot or when the machine is plugged in!



REPLACEMENT AND SPARE PARTS

Spare parts may be obtained from the manufacturer or your dealer. Listed below are some of the parts that may occasionally need to be replaced. A more comprehensive parts list may also be obtained from the manufacturer.

Many replacement part numbers contain a suffix required for a particular model. To ensure you get the correct parts for your particular model, please have the MACHINE SERIAL NUMBER available when you contact the manufacturer. The machine serial number is usually found on the heat control box (or on the bottom of the machine for older models).

Suffix codes typically define the characteristics of the part for that model, as shown in the parentheses.

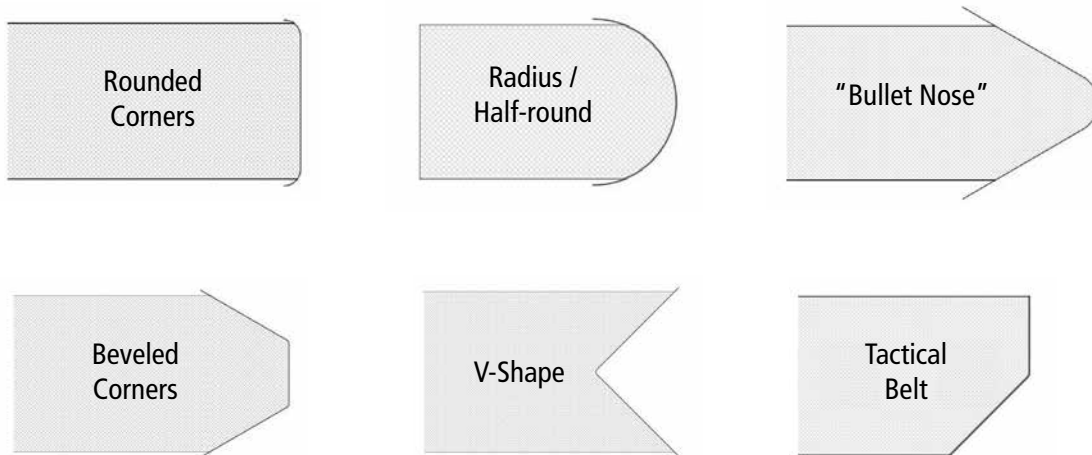
Commonly replaced parts:

R80-002__	Hot knife (brass, SS, heavy-duty, wide, etc)
R80-010__	Heater cartridge (120V or 230V, wattage & length)
R80-007__	Heater control (120V or 230V)
R80-008__	Power cord (120V or 230V, USA, European, etc)
R80-017__	Handle (short, long)
R80A-020__	Heat control box (120V or 230V)
R80-028	Material guide
R80-030__	Extension spring (length)

Additional parts such as fasteners, springs, fuses, and custom knives are also available. Please contact the manufacturer for more information.

OPTIONAL KNIVES & CUTTING TOOLS

Custom knives, cutting, punching, slotting, and branding tools may also be supplied for retrofit to your cutting machine. Examples of some of the cut shapes these tools can make are as follows:



Custom shapes may also be made to your specifications. Contact the manufacturer for more information, details and pricing.

MANUFACTURER'S WARRANTY

NOVA TECH International, LLC warrants ALL models and versions of the RX-80 against defects in material and workmanship for a period of at least ONE YEAR from the date of purchase by the original user. NOVA TECH also warrants FOR LIFE the RX-80-BAL, RX-80-SBL, RS-80-SAL, and RX-80-BOL that all parts of this equipment to be free from defects in material and workmanship. If any part is found to be defective during the warranty period, your sole and exclusive remedy will be repair or replacement, at NOVA TECH's discretion and expense, of the defective part.

The SPECIAL LIFETIME WARRANTY applies to the RX-80-BAL, RX-80-BDL, RS-80-SBL and RX-80-SAL. It does not apply to any auxiliary versions, such as the RX-80-V25, RX-80-S33, RX-80-B33, etc., nor does it cover any models modified in any way by the user.

This LIMITED WARRANTY does not apply in cases of misuse, abuse, mishandling, or unauthorized repair. ANY IMPLIED WARRANTY, INCLUDING THAT OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS HEREBY LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE. In no event shall NOVA TECH be liable for any consequential or incidental damages attributable to this product. This warranty gives you specific legal rights. You may have other rights which vary from state to state.

To obtain service under this warranty on equipment purchased within the USA, return the equipment, freight prepaid, to the Manufacturer. Please allow sufficient time for processing. Product repairs not covered by this warranty and product updates will be provided at prevailing rates.

With the return of any product, we ask that you include the following:

- Name of original purchaser and date of purchase, if known
- A brief description of the problem



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