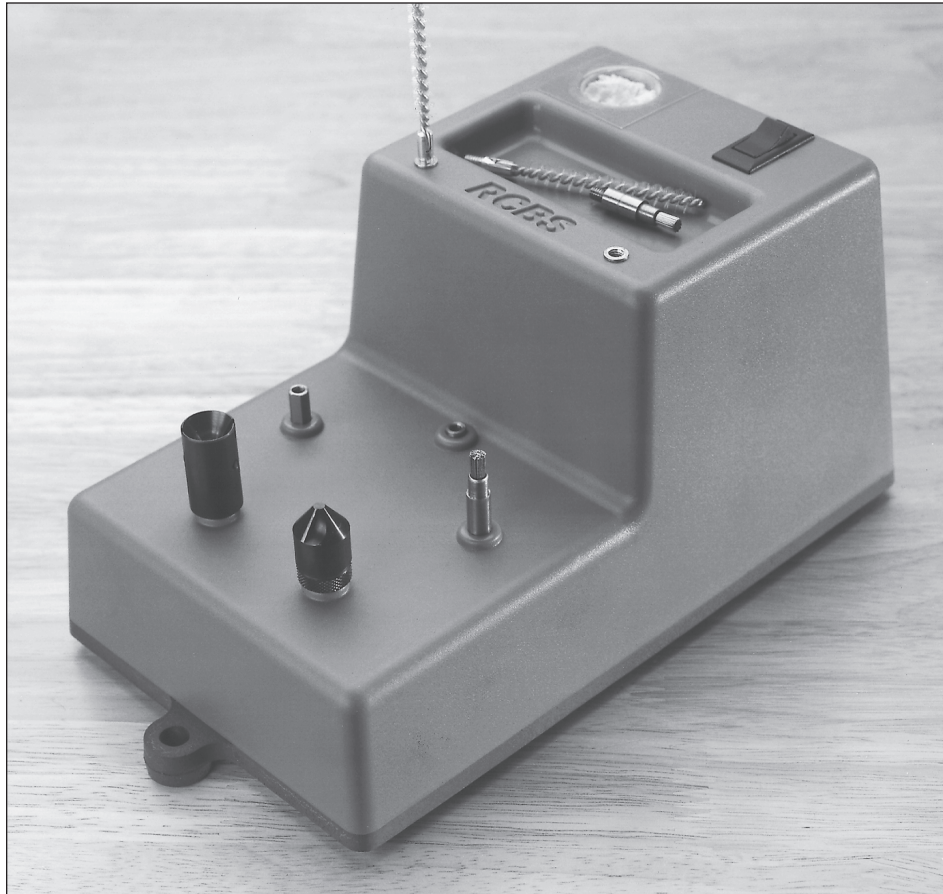


RCBS®

TRIM MATE™ CASE PREP CENTER



PRODUCT INSTRUCTIONS

IMPORTANT

BEFORE USING THE RCBS TRIM MATE CASE PREP CENTER, READ THIS INSTRUCTION MANUAL CAREFULLY TO LEARN HOW TO SAFELY OPERATE THE PRODUCT. LEAVE THE CASE PREP CENTER UNPLUGGED UNTIL YOU ARE READY TO PROCESS CASES AND HAVE READ THESE INSTRUCTIONS. Failure to properly operate the case prep center may result in personal injury and/or equipment damage. If you have read these instructions and still do not understand some operation, call us at 530-538-2699 and a technician will assist you.

This instruction manual contains specific safety and operating information. It should be considered a permanent part of your reloading equipment, and remain with the equipment at all times for easy reference. If you transfer this unit to another person, make sure that these instructions accompany it.

SAFETY

Reloading is an enjoyable and rewarding hobby that can be conducted safely. But, as with any hobby, carelessness or negligence can make reloading hazardous. This product has been designed from the beginning with the user's safety in mind.

When reloading, safety rules must be followed. By observing these rules, the chance of a hazardous occurrence causing personal injury or property damage is minimized.

GENERAL

- Use all equipment as the manufacturer recommends. Study the instructions carefully and become thoroughly familiar with the operation of the product. If you do not have written instructions, request a copy from the equipment manufacturer.
- Don't take short cuts. Attempting to bypass established procedures is an invitation to an accident.
- Observe "good housekeeping" in the reloading area. Keep tools and components neat, clean and orderly. Promptly and completely clean up primer and powder spills.
- Reload only when you can give your undivided attention. Do not reload when fatigued or ill, or under the influence of medication or alcohol. Never smoke while reloading. Develop a reloading routine to avoid mistakes. Don't rush—load at a leisurely pace.
- Always wear adequate eye protection to protect your eyes from flying particles. You assume unnecessary risk when reloading without wearing safety glasses.

ELECTRICAL

- This product is equipped with a three-wire, "U" ground cord; plug only into a properly grounded outlet.
- Do not work on wet floors.

- Do not plug into electrical outlet until the proper voltage is supplied.
- Locate all electric cords away from moisture, rain and moving parts. Arrange cords so that they do not cause a tripping hazard.
- Periodically check all cords for worn/frayed spots and replace or repair to code if needed.

LOADING DATA

- Use only laboratory tested reloading data. We highly recommend the use to the Hodgdon Reloading Manual.
- OBSERVE ALL WARNINGS ABOUT THE USE OF MAXIMUM LISTED LOADS.

RECORD KEEPING

- Keep complete records of reloads. Apply a descriptive label to each box showing the date produced, and the primer, powder and bullet used. Labels for this purpose are packed with SPEER bullets. Never attempt to guess at the identity of your ammunition.
- This product is intended for use by persons familiar with proper handloading practices and their own loading equipment. If you are uncertain as to the operation of any of your equipment, contact the equipment manufacturer for additional assistance.

Because RCBS has no control over the choice of components, the manner in which they are assembled, the use of this product, or the manufacture or condition of guns in which the resulting ammunition may be used, no responsibility—either expressed or implied—is assumed for the use of ammunition reloaded with this product.

SPECIAL NOTICE FOR DRY CASE NECK LUBE (MICA)

A small plastic cup with dry case neck lube (mica) has been included with the accessories for the Trim Mate. The plastic cup fits into the round hole on top of the Trim Mate and provides a convenient way to apply a dry lubricant to case necks. To apply, simply dip the case neck into the dry lubricant. Tap the case to remove any excess lubricant.

CAUTION: Do not breathe dust and avoid getting in eyes. Prolonged inhalation may be harmful. Use with adequate ventilation. Wear a dust mask when adequate ventilation is not available. Wear safety glasses or goggles.

FIRST AID PROCEDURES: In case of eye contact, immediately flush the eyes with plenty of water. If irritation occurs, obtain medical attention. In case of inhalation, remove to fresh air. If irritation occurs, obtain medical attention.

OSHA/HMIS Label

Health:	0
Flammability:	0
Reactivity:	0
Max. Personal Protection:	E

California law requires the following warning under California Health & Safety Code Sec. 25249:6:
Warning: Quartz is known to the State of California to cause cancer.

GENERAL INFORMATION

Congratulations on your purchase of the RCBS Trim Mate™ Case Prep Center. It is the perfect addition to any reloading bench and the ideal mate for the Trim Pro™ Power Case Trimmer. With five rotating gear-driven stations, Trim Mate speeds up several important but time-consuming case preparation tasks such as case chamfering and deburring, primer pocket cleaning and uniforming, military crimp removal and flash hole deburring. There are also two stationary positions for case neck brushes or other accessories and a cupped area for securing dry case neck lube. A handy on-off switch is located on top of the unit and a six-foot three-prong power cord allows you to position Trim Mate in a convenient spot on your reloading bench. Please read these instructions completely before using the Trim Mate.

UNPACKING AND INSTALLATION

Shown below in photo #1 is a Trim Mate and all the accessories that are shipped with the unit. Carefully unpack the Trim Mate and look for and identify the items listed below.

- Trim Mate case preparation center
- Inside Chamfering Tool
- Outside Deburring Tool
- Primer Pocket Brushes, small and large
- Case Neck Brushes, small and medium
- Dry Case Neck Lubricant



Photo #1

A variety of *optional* accessories are also available for the Trim Mate. See your dealer or call us at RCBS for more information about the following *optional* accessories:

- Primer Pocket Uniformer, small rifle, part #90379
- Primer Pocket Uniformer, large rifle, part #90378
- Military Crimp Remover, small part #90381
- Military Crimp Remover, large part #90380
- Trim Mate Dust Cover, part #90382
- Flash Hole Deburring Tool (see catalog for part numbers)

Place the Trim Mate in a convenient spot on your reloading bench. Use a c-clamp, wood screws or bolts to securely fasten the Trim Mate to the work area. Two mounting holes are provided in the base of the Trim Mate; one in the front and one in the back.

USING THE TRIM MATE

Most of the accessories for the Trim Mate can be installed in any one of the five rotating stations located on the lower portion of the unit. However, as we have shown in photo #2, some accessories will be more convenient and easier to use if they are installed in certain positions. Use this photo as a guide for installing the various cutters and brushes. Also, to make it easier for identification, we have numbered the stations in the photograph.

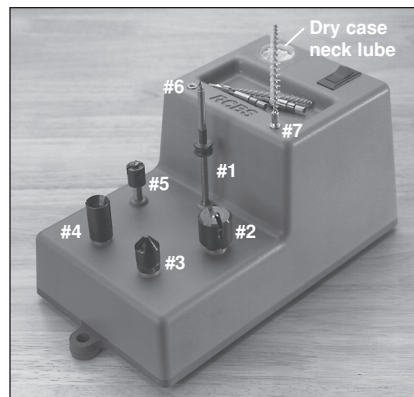


Photo #2

Station #1 is for installing an *optional* RCBS Flash Hole Deburring Tool. See photo #3. These are caliber-specific cutters designed to remove the burr that is sometimes left around the primer flash hole during manufacture. The tools are available from your dealer and come in a wide range of calibers.

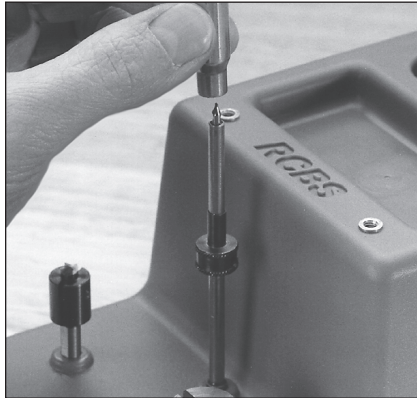


Photo #3

Station #2 can be used for the primer pocket brush. A primer pocket brush will clean out the residue left in the primer pocket and make for easier primer seating. See photo #4. Also, station #2 can be used for the *optional* Military Crimp Remover. Military surplus cases usually have a crimped-in primer. Before these cases can be reprimed, this crimp must be completely removed. The Military Crimp Remover reforms the primer pocket to one with a smooth commercial type profile. Two sizes are

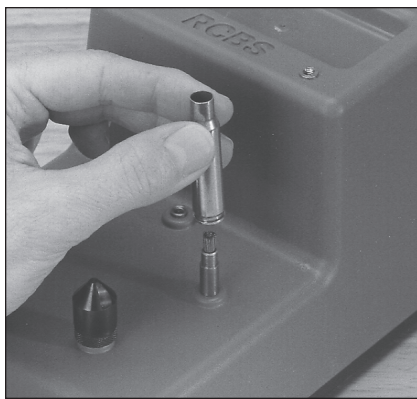


Photo #4

available—one for small primer pockets and one for large primer pockets.

Station #3 is for the Inside Chamfering Tool. This is used to put a bevel on the inside of a case mouth that has been trimmed and will make bullet seating easier. See photo #5.

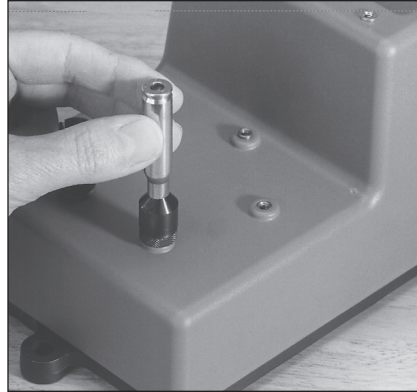


Photo #5

Station #4 is a good place to install the Outside Deburring Tool. This cutter will remove any burrs left on the outside of the case mouth during trimming. See photo #6.

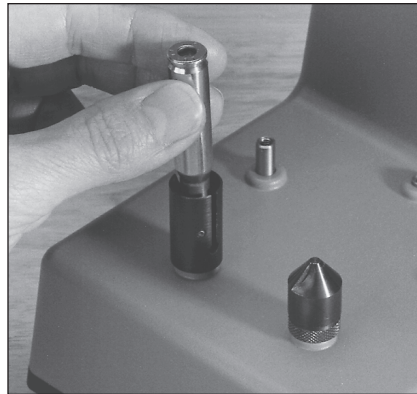


Photo #6

Station #5 can be used for a Primer Pocket Brush or the *optional* Primer Pocket Uniformer. The Primer Pocket Uniformer is available in two sizes; small rifle and large rifle. Each one has a carbide cutter and is used to cut primer pockets to a uniform and consistent depth. See photo #7.

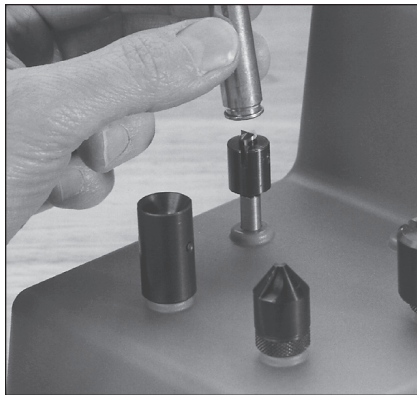


Photo #7

You probably noticed that station #5 has a short threaded post. This post has wrench flats machined on its sides and allows you to use a wrench to “lock up” the gears to remove any of the cutters and accessories. See photo #8.



Photo #8

Remember, you can configure the tools and accessories in any sequence that is convenient for your needs. It is not necessary to have tools in all five rotating stations. However, we recommend that tall tools like the Flash Hole Deburring Tool be mounted in station #1 to provide additional protection for the user and the tool.

Stations #6 and #7 located on top of the Trim Mate are stationary positions and will not rotate like stations 1 through 5. They can be used for the case neck brushes, wool mops or any accessory with an 8-32 thread size. The round hole

on top of the Trim Mate is for installing the packet of dry case neck lube. The plastic cup fits into the hole and provides a convenient way to apply a dry lubricant to case necks. See photo #9. Also located on top of the unit is the on-off switch and a storage well for tools when they are not being used.

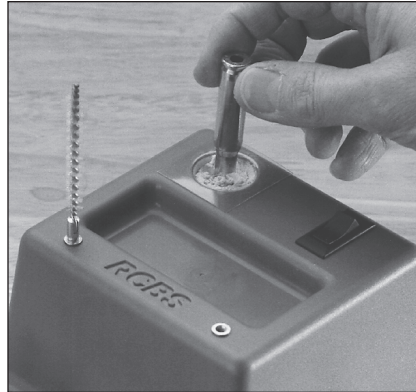


Photo #9

PRIMER POCKET UNIFORMING

For years, shooters such as bench rest competitors have found that some cartridge cases require primer pocket uniforming. Although modern case manufacturing yields remarkably uniform products, occasionally primer pocket depths will vary slightly. Primer pocket uniforming insures that all pockets are the same depth for improved accuracy and ignition.

Another benefit of primer pocket uniforming is that this operation assures a square pocket bottom. Some cases have a pronounced radius between the side wall and bottom of the pocket. This radius can catch the primer’s anvil legs and make proper seating depth hard to obtain with certain makes of primers. Uniforming assures that the transition from side wall to pocket bottom is square and usually improves primer seating.

The RCBS small primer pocket uniformer can be used for either rifle or pistol cases. All small primer pockets

share the same specifications. However, the specifications for large rifle and large pistol primer pockets are different. Large rifle primer pockets can be as much as 0.009 inch deeper than large pistol pockets. Therefore it is important not to use the large rifle uniformer on handgun cases. Using the large rifle uniformer on a handgun case will result in a pocket that is too deep and misfires may result.

The sharp edges of the carbide cutter can grab the case if you attempt to insert the case rapidly. Insert the case and apply pressure slowly, allowing the Trim Mate to do the work. The cutter is factory set to remove the proper amount of metal. DO NOT ATTEMPT TO ALTER THE SETTING OF THE CUTTER.

MILITARY CRIMP REMOVAL

Military primers are commonly crimped in place. Before repriming a military case the first time, it is mandatory that this crimp be completely removed. The RCBS Trim Mate allows this step to be performed quickly and uniformly with optional accessories.

The RCBS Military Crimp Remover cuts a small bevel at the edge of the primer pocket, removing the crimp. This operation allows new primers to be seated easily and safely. It is required only once for each case. See photo #10.

Two sizes of crimp removers are



Photo #10

available for large and small pockets. Make certain that the proper crimp remover is installed for the caliber you plan to reload. The crimp remover is factory set to remove the proper amount of metal. DO NOT ATTEMPT TO ALTER THE SETTING OF THE CUTTER. If too much metal is removed, the primer is not properly supported by the case and damage to the firearm or injury to the shooter could occur if the case is loaded and fired. Also, it is important to first remove the military crimp before uniforming the primer pocket.

The cutter assembly of the crimp remover should be cleaned regularly to remove any buildup of chips. Use a soft bristle brush to clean the crimp remover tool.

CARE AND MAINTENANCE

The RCBS Trim Mate is designed to provide years of service with minimum maintenance. The high-impact plastic case should be wiped occasionally with a soft cloth dampened with water. Do not attempt to clean the case with solvents or harsh detergent products. Spray solvents may permanently damage the plastic case and are not recommended.

With continued use, brass chips will accumulate around the tool stations. After each session with the Trim Mate, disconnect the power cord from the wall outlet and remove chips and other debris with a soft brush to preserve its appearance.

Should the unit malfunction, do not attempt to disassemble it. It is not user-serviceable. Call us for instructions.

CUSTOMER SERVICE

After reading this manual, if you have any questions or need additional help in using the Trim Mate, call us at the factory. We'll be glad to help.

RCBS

PRECISIONEERED® RELOADING EQUIPMENT

*We think that we make the very best
reloading equipment in the world.
If you agree, please tell your friends.
If you disagree, tell us - we want to do something about it!*

Customer Service

530-538-2699

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