



BLADECLEAN™

**BLADE AND BIT
CLEANING SYSTEM**



Instruction Manual (v1.0)

MODEL # BC-81012



Congratulations on your purchase of the **BLADECLEAN** Saw Blade and Router Bit Cleaning System!

This all-in-one kit makes quick work of cleaning router bits and circular blades up to 12" (350mm) in diameter quickly with no mess.



INSTRUCTIONAL VIDEO

Scan the QR code with your smartphone camera or visit:
microjig.com/blade-clean



Read the Important Safety Disclaimers in this manual prior to use. Keep manual for future reference.

TABLE OF CONTENTS

Components	5
Precautions & Safety.....	6
Operation	7-20
1 Filling Cleaning Wells	7-10
2 Cleaning Saw Blades	11-16
3 Cleaning Router Bits	17-20
Care & Maintenance	21

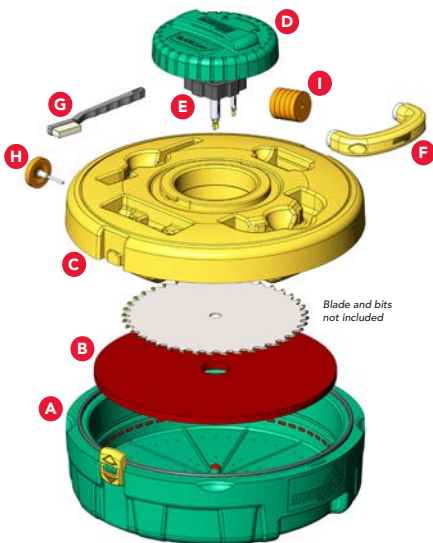


This page left intentionally blank.

COMPONENTS

INCLUDED IN THE BOX:

- A** Saw Blade Cleaning Well
- B** *BLADECLEAN Pad™ [13" (330mm), 180 grit]
- C** Large Lid with Router Bit Cleaning Well (Yellow)
- D** Router Bit Cleaning Well Lid (Green)
- E** EVA Foam Router Bit Holder
- F** Magnetic Handle
- G** *Wire Brush
- H** Rotary Tool Mandrel [Ø1/8" (Ø3.18mm)]
- I** *Aluminum Oxide Cleaning Discs [1-11/16" (42mm)]



* These items wear with use and are only warranted against manufacturing defects.

PREPARATION

PRECAUTIONS & SAFETY

SAFETY WARNING!

Your BLADECLEAN Saw Blade and Router Bit Cleaning System requires the handling of sharp cutting implements and potentially harmful chemicals.

Wear gloves and handle saw blades and router bits with care. Protective eyewear is to be worn at all times while handling any liquid cleaning solution. In the event of eye contact, consult the first aid recommendations given by the manufacturer.

MICROJIG Inc. assumes no liability for any medical injuries resulting from the mishandling of chemicals or misuse of any BLADECLEAN components.

The user must take all necessary precautions when handling cutting implements, chemicals, or operating any tool as recommended by their manufacturers, and as required by any prudent tool user.



Operation 1

FILLING CLEANING WELLS

MIXING CLEANING SOLUTION



Common, all-purpose cleaners are recommended.

NOTE: Cleaning solution is **not** included.

There are a variety of options when it comes to cleaning saw blades. Avoid any corrosive or caustic chemicals, such as oven cleaner, as they may damage blades and cause skin, eye, and respiratory irritation.



The ideal amount of solution needed is about 2-2.5 quarts (1890-2365 ml). In a separate container, mix the cleaning solution with water at a ratio recommended by your choice of cleaning solution or at full strength (depending on solution and strength desired).

FILLING CLEANING WELLS

1.1 ROUTER BIT CLEANING WELL (YELLOW)



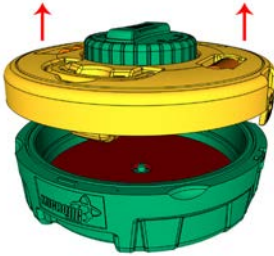
Remove the small green lid.

Fill the *Router Bit Cleaning Well* (yellow) up to the fill line (16-20 oz or 473-591 mL) with your mixed solution.

After filling, lock the small green lid back into position.



1.2 SAW BLADE CLEANING WELL (GREEN)



Unclasp and remove the large yellow lid from the *Saw Blade Cleaning Well* (green), and place it on a flat surface to prevent spilling the cleaning solution inside the *Router Bit Cleaning Well*.



Pour the remainder of the cleaning solution into the *Saw Blade Cleaning Well* (green).



Operation 2

CLEANING SAW BLADES

CLEANING SAW BLADES

2.1 SAW BLADES UP TO 12" (350MM)

NOTE: Most blades can be cleaned in 30 seconds or less. Blades that haven't been cleaned regularly may take more time to clean on first use.



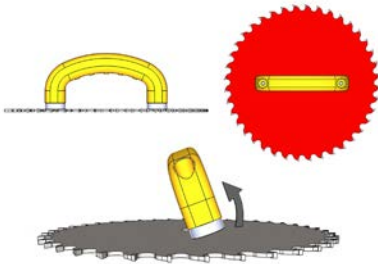
On an even surface, lay a towel flat next to the cleaning well. The towel should be at least twice as big as the saw blade, so you can fold it over the saw blade and dry both sides at once.

2.1 CLEANING SAW BLADES (CONT.)



For table saws, raise the blade to its maximum height. Remove the arbor flange and nut from the saw. Using the **Magnetic Handle** from the large yellow lid, attach it to the blade as close to center as possible. Avoid the magnets from contacting the carbide tips.

Carefully remove the saw blade from the arbor, and set it down on the towel. Reposition the handle to be centered on the blade if necessary.



TIP: When **detaching the magnetic handle**, hold the saw blade down with one hand and tilt the handle sideways to easily lift the handle up.

CLEANING SAW BLADES

2.1 CLEANING SAW BLADES (CONT.)

2.1.1 Soak the Saw Blade

Place the saw blade on top of the cleaning pad in the blade cleaning well. Ensure the saw blade is fully submerged and soak for 10-30 seconds.

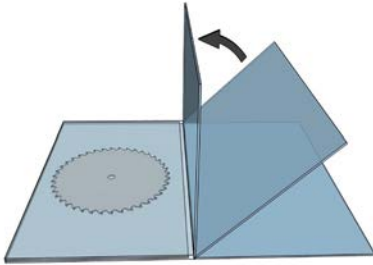
2.1.2 One Twist Cleaning



After soaking, apply slight downwards pressure and rotate the blade a quarter turn backwards (opposite to the cutting direction).

Pull the saw blade out by the handle and inspect the cleaned side. Ensure that all sides of the carbide teeth are clean. Repeat the previous step if there is any residue remaining on the teeth.

2.1 CLEANING SAW BLADES (CONT.)



After one side of the blade is clean, set it flat on the towel (clean side down) and remove the magnetic handle. Fold the towel over the blade, then flip it over, so now the dirty side of the saw blade is facing down.



Re-attach the handle to the cleaned side of the saw blade, and repeat step **2.1.2** to clean the dirty side of the blade. There's no need to soak the saw blade again.

CLEANING SAW BLADES

2.1 CLEANING SAW BLADES (CONT.)



2.1.3 Cleaning the outer edges of the carbide teeth (optional)

If you would like to clean the outer edges of the carbide teeth, hold the saw blade vertically so the teeth make contact with the **BLADECLEAN™ Pad**.

Rotate the saw blade one full revolution in the direction opposite to the cutting direction.

After all sides of the blade are free of residue, rinse the saw blade in a sink under running water, then pat dry in the folded towel.

TIP: Cutting quality will not be affected if there is any residue remaining in the gullets. Clean it with the brush before rinsing if desired.

Spray protective lubricant on both sides of the saw blade if desired. The blade is now ready to be reinstalled on the saw, or stored away for later use.

IMPORTANT: Wipe clean and dry all parts including the magnetic handle after cleaning bits or blades. This will help prevent staining, rust, or corrosion caused by excess moisture. Be sure to check the storage pockets on the large lid and wipe away any liquid that may have gathered there.



Operation 3

CLEANING ROUTER BITS

CLEANING ROUTER BITS

Attached to the underside of the small green lid, you'll find the *EVA Foam Router Bit Holder* with 3 inserts for 1/2" or 12mm shank router bits, and 2 inserts for 1/4", 6 or 8mm shank router bits.



Unscrew the small green lid and insert router bits into the EVA foam cavities. Put the lid back on with the router bits attached, and twist to lock the small green lid. Allow the router bits to soak for 30 seconds or longer.

3.1 CLEANING ROUTER BITS (CONT.)



While the router bits are soaking, attach the 1-11/16" (42mm) *Router Bit Cleaning Disc* and *Mandrel* to a rotary tool (a power drill will also work).

Maximum speed is 12,000 rpm. 8,000 to 10,000 rpm provides the best balance between cleaning and disc life.

NOTE: Spinning the cleaning disc at *high RPMs* with a *full strength cleaning solution* may remove the paint on router bits.

CLEANING ROUTER BITS

3.1 CLEANING ROUTER BITS (CONT.)



Again, remove the small green lid. The router bits can remain in the foam bit holder during cleaning. You may hold the small green lid with the router bit(s) and rest it vertically over the router bit well while cleaning. If there is not enough clearance to clean around the router bit, rotate the bit and repeat.

NOTE: Bearings and collars should always be removed prior to cleaning. Some cleaning chemicals have “grease-cutting” properties, which can affect the performance of moving parts, such as ball bearings.

CARE & MAINTENANCE

BLADECLEAN™ Pad

The included 13" (330 mm) *BLADECLEAN™ Pad* should last a long period of time under normal uses. However, because it is used to scrape against sharp carbide edges, it may wear out over time. Replacement *BLADECLEAN™ Pads* can be purchased individually at: microjig.com/bladeclean

Router Bit Cleaning Discs

The included 42mm *Router Bit Cleaning Discs* undergo much more rigorous use and will need to be replaced more often. BLADECLEAN comes with 6 *Router Bit Cleaning Discs*. When replacements are needed, they are also available in packs of 14 with a mandrel at: microjig.com/bladeclean

Rubber Gasket

The BLADECLEAN's large yellow and small green lids are equipped with a rubber gasket to prevent leakage, and it can be stored with the cleaning solution inside for multiple uses. However, to prevent unnecessary leakage, care should be taken not to tip the unit over or store it on its side.

Cleaning Solution

Over time, the cleaning solution may become saturated with the residue removed from saw blades and will need to be replaced. If you notice a decrease in effectiveness, drain the green *Saw Blade Cleaning Well*, rinse out the *BLADECLEAN™ Pad*, and refill with fresh cleaning solution.

This page left intentionally blank.



Welcome to the Club!

Get insider information and be the first to learn about new products, plans, and deals at:

microjig.com/newsletter



Warranty Registration

Protect your investment. Register your product for an extended 3-year warranty at:

microjig.com/warranty



Replacement Parts

Missing or damaged parts in the box? Get replacement parts ASAP. Fill out a request at:

microjig.com/contact

Got questions or need support?

Our dedicated support team is here for you.
Call or contact us to get support ASAP.



+1 (855) RIP-SAFE



support@microjig.com



microjig.com/contact



BLADECLEAN, Work Safer. Work Smarter., and MICROJIG,
are registered trademarks of Micro Jig, Inc. © 2021