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ROCK TUMBLER

MODEL:KD-H1013、KD-H1011、KD-C1013、KD-C1011

We continue to be committed to provide you tools with competitive price.
"Save Half", "Half Price" or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and does not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when you are placing an order with us if you are actually saving half in comparison with the top major brands.

VEVOR[®]
TOUGH TOOLS, HALF PRICE

ROCK TUMBLER

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NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:

 CustomerService@vevor.com

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

	Warning-To reduce the risk of injury, user must read instructions manual carefully.
	Warning- Be sure to wear eye protectors when using this product.
	This symbol, placed before a safety comment, indicates a kind of precaution, warning, or danger. Ignoring this warning may lead to an accident. To reduce the risk of injury, fire, or electrocution, please always follow the recommendation shown below.
	FCC STATMENT This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:(1)This device may not cause harmful interference, and (2)this device must accept any interference received, including interference that may cause undesired operation.
	DISPOSAL INFORMATION This product is subject to the provision of European Directive 2012/19/EC. The symbol showing a wheeled bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices

GENERAL SAFETY RULES



WARNING:

Do not attempt to operate the machine until you have read thoroughly and understood completely all instructions, rules, etc. contained in this manual. Failure to comply may result in accidents involving fire, electric shock, or serious personal injury. Keep this owner's manual and review frequently for continuous safe operation.

1. Know your machine. For your own safety, read the owner's manual carefully. Learn its application and limitations, as well as specific potential hazards pertinent to this machine.
2. Keep guards in place and in working order. If a guard must be removed for maintenance or cleaning, make sure it is properly replaced before using the machine again.
3. Keep your work area clean. Cluttered areas and workbenches increase the chance of an accident.
4. Do not use in dangerous environments. Do not use power tools in damp or wet locations, or expose them to rain. Keep work areas well illuminated.
5. Do not force the machine. It will do the job better and be safer at the rate for which it is designed.
6. Use the right tools. Do not force the machine or attachments to do a job for which they are not designed. Contact the manufacturer or distributor if there is any question about the machine's suitability for a particular task.
7. Always use safety glasses. Normal spectacles only have impact resistant lenses. They are not safety glasses.
8. Do not over-reach. Keep proper footing and balance at all times.
9. Always wear a face or dust mask if operation creates a lot of dust and/or chips. Always operate the tool in a well ventilated area and provide for proper dust removal. Use a suitable dust extractor.

Before the First Use

Before you begin using your Advanced Rock Tumbler, please make sure that all of the necessary parts are included. If you are missing anything, please email US

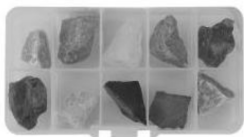
The Kit Includes:



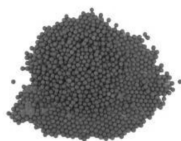
1.Rock polishing motor 1pcs



2.Polishing barrel 1pcs



3.One box of ten gems



4.Ceramic abrasive 350g
(can be cycle used)



5.Emery grit 3 packs



6.Brightening powder 1 pack



7.Jewelry fasteners 1pcs



8.Mesh strainer 1pcs



9.Power plug 1pcs



10.English manual 1pcs

Tumbling Cycles Guide

Please add proper amount of water for every stage and follow the table below for the best polish effect.

Generally speaking, a rough polish need a faster speed and fine polish need a slower speed.

One complete cycle	Stage	Emery grit/weight	Ceramic abrasive/weight	Speed	Time(day)
	1	320#/30g	5mm/350g	4	2
	2	600#/30g	5mm/350g	3	2
	3	800#/30g	5mm/350g	2	1
	4	Brightening powder/30g	5mm/350g	1	2

In the first stage: Adding 320# emery grit and ceramic abrasive with 4th speed will round the edges of the rock more quickly.

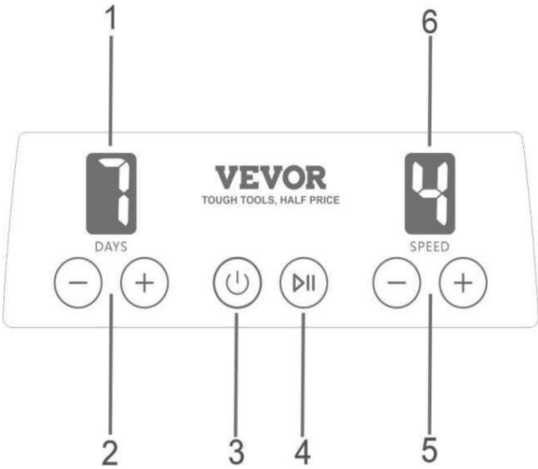
In the second stage: Adding 600# emery grit and ceramic abrasive with 3th speed can fine the rock surface.

In the third stage: Adding 1200# emery grit and ceramic abrasive with 2th slower speed will make the rock smoother.

In the fourth stage: Adding brightening powder and ceramic abrasive with the lowest 1th speed can increase the brightness of rocks.

Harder stones take longer to polish.

Control Panel Function






- 1. The time display ranges from 1 to 9 days
- 2. Add or Subtract time button
- 3. Switch buttons
- 4. Start /Pause button
- 5. Speed plus or minus button
- 6. Speed display 1th-4th gear selected




Work-time function




- 1. Machine without working function: 10 minutes without working, automatically shutdown
- 2. Automatic power off function: Set the machine starting working time with 3 days, and power off occurs after 1.8 days of operation. When the machine is powered on again, the machine will start directly (that is, there is no need to press the start button), and continue to run for the remaining 1.2 days to the end. (After setting the time again, clear the previous working time and work according to the new setting time)
- 3. Manually pause the memory function: For example, manual set the pause time for 3 days, then manual pause the machine after running for 1.8 days; When restart the machine, it will automatically operate the remaining 1.2 days to the end. (After setting the time again, clear the previous working time and work according to the new setting time)
- 4. Time countdown function: The digital days number is displayed in the countdown form. When the machine is finished running according to the set number of days, the days number will display "0".




- 5. Overload function: overload or stuck the machine will stop working and show E 1. It needs to power off and clear the overload and stuck place, then power on again. The machine will work normally at the previous working time and speed.



	1. Unscrew the black knob at the top of the barrel and remove it.
	2. Detach the outer stainless steel cover. You may need to use something flat -like a regular screwdriver or cutlery handle - to pry it loose.
	3. Remove the inner lid from the barrel: You can try by squeezing the barrel to push out the lid or screw the knob onto the lid and use that as a handle to pull out the lid easily.

Polishing Your Gemstones


	<p>4. Start by putting your rocks inside the tumbler barrel. (One box of ten gems; Round abrasive 350g; and water 3/5 full)</p> <p>Don't overload it! If the tumbler barrel is too full, the rocks won't move around enough to become polished. We recommend that you fill the barrel 1/2 to 2/3 full.</p> <p>Please note: If you overfill the barrel, the machine will automatically turn off, and the screen will display 'E' and '1'. If this happens, turn off the machine by pressing the on/Off button, remove some of the contents of the barrel, and then turn it on again.</p>
	<p>5. Empty the contents of the grit #1 packet into the barrel.</p>
	<p>6. Add water to the barrel until the water just covers the top of the rocks.</p>

	<p>7. Insert the lid back into the barrel in the sealed position (with the screw pointed (Remove the knob from the inner lid, if you attached it by step 3).</p>
	<p>8. Press half of the sealing ring on the inclined side first.</p>
	<p>9. Push the seal ring on the other edge.</p>

	<p>10. After confirming the push seal ring, the seal ring is inside the polishing barrel.</p>
	<p>11. Put back the stainless steel cover on top of the inner lid and reattach the knob and tighten it. Make sure to tighten the best as you can to ensure the barrel does not leak any water.</p>
	<p>12. Place the tumbler barrel onto the tumbler base, with the lid facing to the right.</p>

	<p>13. Plug in the machine, press the On/Off button and select the appropriate number of days and speed (refer to the Tumbling Cycles Guide on page 4), and let the machine do its job!</p>
	<p>You can always pause the machine without losing the speed and timer settings by pressing the Pause/Resume button. Press it again to resume.</p>

Cycle Change

	<p>14. When the tumble cycle is done, pour out the tumbler barrel into the mesh strainer and rinse the rocks and barrel with water to remove all the grit.</p>
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Caution! Never pour used grit down a drain inside your house - it can destroy the plumbing! Make sure to wash your stones and barrel outside instead of in your bathroom or kitchen.



Check before you discard! The purpose of each grit cycle is to gradually smooth the rocks and round out the edges. Whenever you finish a cycle, it's a good idea to wash off just a few of the rocks first to see if they are tumbled to your satisfaction before you dump the contents of the barrel. If they aren't polished enough, return them into the barrel and let the cycle run longer. In general, the longer the cycle, the better the results.

Trust yourself. Use your own judgment to determine if the rocks are polished to your satisfaction. Some rocks are harder than others, so they may need more time in any grit cycle than is recommended here.

15. Repeat the above steps with grits #2-4, in order. By doing so, you will bit-by-bit polish the rough rocks into smooth gemstones.

Feel free to experiment with the duration of your tumbling. Each rock you use is made of different material and so will respond differently. This is a great hobby to inspire experimentation!

Next Steps



Use mineral oil for extra shine! If you want your finished stones to be really shiny, coat and polish the stones with mineral oil.

You can use the included jewelry hardware to make a necklace, ring, keychain, and a pair of clip-on earrings or pins with your polished stones.

To make a keychain or necklace, simply insert the stone into the keychain/necklace cages, without using glue, by forcing it into the cage.

To make a ring or earrings, you'll need to glue the stone by using a hot glue gun or an all-purpose adhesive sealant. Please have an adult help you if you are using glue!

Imitating Nature

The original rock tumbler is all natural - it's water! If you've ever picked up stones on the beach or near a river, you know what this means. Those rocks have been smoothed and rounded by water over long periods of time to make them look and feel the way they do.



Here's how it works: Over tens, hundreds, and even thousands of years, rocks get tossed around in the waves and currents of rivers and seas, banging against each other. The sand and sediment act as abrasives and further smooth the rocks. When the rocks are wet, the sheen gives stones a highly polished look.



Since the beginning of civilization, humanity has tried to find ways to polish stones faster than nature. In ancient Egypt, slaves would take roughly-cut rocks and move

them back and forth in troughs filled with sand and water - a process that took months - to achieve polished stones.

In India, stones cut into preliminary shapes were put in goatskin bags with water and roughly-ground rocks. Then, workers would roll the bag on the ground for weeks at a time.

Perhaps the first rock tumbler "machine" was invented in ancient India, where a teeter-totter board rolled jars filled with pre-cut beads, water, and abrasives to create polished beads.

The problem with all of these methods is that they took extremely long amounts of time to achieve results and only a few rocks could be polished at once.

More Successful Methods

Modern rock tumbling began in the 1950s in Los Angeles. A rock dealer named Edward Swoboda started selling hand polished irregular shaped rocks - called baroque stones - in simple settings. Which became very popular. To keep up with demand, he partnered with a friend, Warren Jones, to build a tumbling machine that was able to polish a larger quantity of stones in a short amount of time and with little labor.

Spurred by Swoboda's success, other inventors started producing their own versions of tumbler machines that, over time, became quieter, more durable, and able to polish larger numbers of rocks, even large enough to support wholesale efforts. By the early 1960s, a rock polishing craze had taken over the U.S. and rock tumbler machines could be found in homes across the country.

What Can You DO With Polished Stones?

You've spent the past month polishing stones. Now what? Besides simply enjoying looking at them, there is a lot you can do:

Jewelry: The most common use of polished rocks is to make jewelry. You can use the jewelry fasteners included in this kit, or you can do it yourself! Wrap a flexible wire around a single stone to create a pendant that can go on a chain, string or ribbon to create a necklace. Or, you can go to a craft store and buy materials to create keychains, earrings, pins, rings and more.

Home decor: You also can use the polished rocks to create beautiful decorations for your home. For instance, you can glue the rocks to picture frames, magnets or tree ornaments. You can use larger stones to accent flower pots or vases. You can fill a jar with rocks and create a candle holder. Use your imagination!

	items	Description
1	Name	Rock Tumbler
2	Model	KD-H1013
3	Parameter	Rating: 12VDC, 10W, Max Speed: 145RPM, Max load: 1LBS
4	Colour	Grayish white
5	The power adapter	Input: 100-240VAC 50/60Hz Output: 12VDC/1A 12W
6	Package Size	255x218x246mm
7	G.W.	2.3KG

	items	Description
1	Name	Rock Tumbler
2	Model	KD-H1011
3	Parameter	Rating: 12VDC, 10W, Max Speed: 145RPM, Max load: 1LBS
4	Colour	Grayish white
5	The power adapter	Input: 100-240VAC 50/60Hz Output: 12VDC/1A 12W
6	Package Size	255x218x246mm
7	G.W.	2.3KG

	items	Description
1	Name	Rock Tumbler
2	Model	KD-C1013
3	Parameter	Rating: 12VDC, 10W, Max Speed: 145RPM, Max load: 1LBS
4	Colour	Black orange
5	The power adapter	Input: 100-240VAC 50/60Hz Output: 12VDC/1A 12W
6	Package Size	255x218x246mm
7	G.W.	2.3KG

	items	Description
1	Name	Rock Tumbler
2	Model	KD-C1011
3	Parameter	Rating: 12VDC, 10W, Max Speed: 145RPM, Max load: 1LBS
4	Colour	Black orange
5	The power adapter	Input: 100-240VAC 50/60Hz Output: 12VDC/1A 12W
6	Package Size	255x218x246mm
7	G.W.	2.3KG