THE GOLFWORKS®

Instructions For:
Golf Mechanix Dust Contained Shaft Cutting Machine
Code: **GM1032**

Dust Contained Shaft cutting machine

OPERATION MANUAL
#120300

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INTRODUCTION

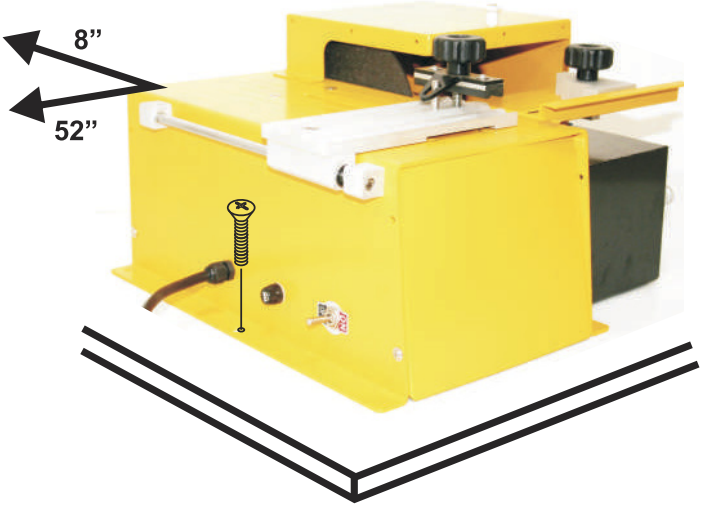
The DUST CONTAINED SHAFT CUTTER will allow you to cut up to four shafts at one time. Both tip trimming and butt cuts can be made in ½" or ¼" increments when using the stop block that comes stock with the unit. Precision incremental cuts from 0"up to 6" inches of either tip, butt or variations of each can be made using the stop block.

Another nice feature of this tool is the dust containment system. As the series of shafts are cut dust particles are pulled through a collection filter and trapped to maintain a cleaner work environment.

INSTALLATION

Step-1 Begin with a dedicated area to mount the unit and have sufficient clearance for the raw length shafts to travel through the cutter. Approximately 52" inches to the left side of where the cutter is to be mounted will be needed for proper travel clearance and about 8 inches at the back for servicing and ventilation.

Important! The shaft cutter must be bolted down on the top of workbench using bolts or lug screws, to prevent it from moving while cutting shafts.



Step 2: Familiarize yourself with the shaft clamp/slider assembly. Make sure that the slider is moving smoothly over the guide rods.

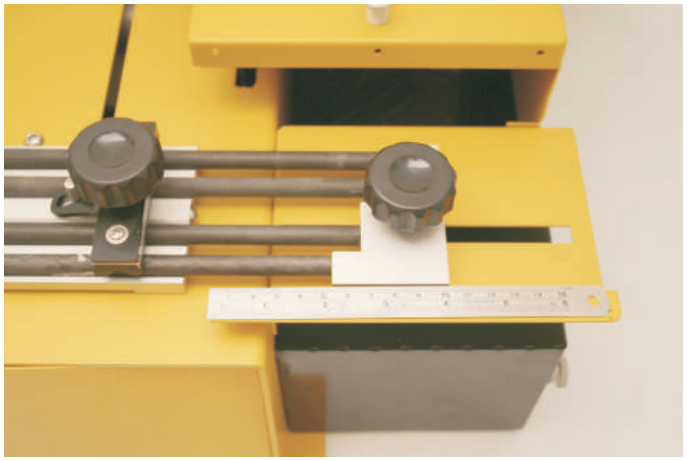
Step 3: Familiarize yourself with the trimming gauge, by clamping a shaft in the slider. Please note that it is dangerous to attempt to cut a shaft without clamping it properly as this may cause the shaft to spin, jamming the cutoff wheel. The cutoff wheel may shatter, and the shaft may splinter.

Step 4: Before powering the shaft cutter; It is always good practice to spin the cutoff wheel to make sure that it's spinning freely and that it is not broken, cracked or worn out

Step 5: Prior to plugging the power cord to an AC power outlet. Check that the ON/OFF toggle switch is in the **OFF** position to prevent accidental motor activation.

SHAFT TRIMMING

For individual shaft cutting it is recommended to set the first step of the stop block on the depth gauge to the desired amount to be cut. Lock the shaft in the sliding shaft cradle on the same channel as the step of the stop block. Turn unit on and allow blade to come up to full speed.



KEEP FINGERS, HANDS, and ARTICLES of CLOTHING AWAY FROM CUTTING BLADE AREA.

With a firm steady action push the shaft cradle slowly into the cutting blade. At the point of separation draw the cradle back from cutting area and turn unit off.

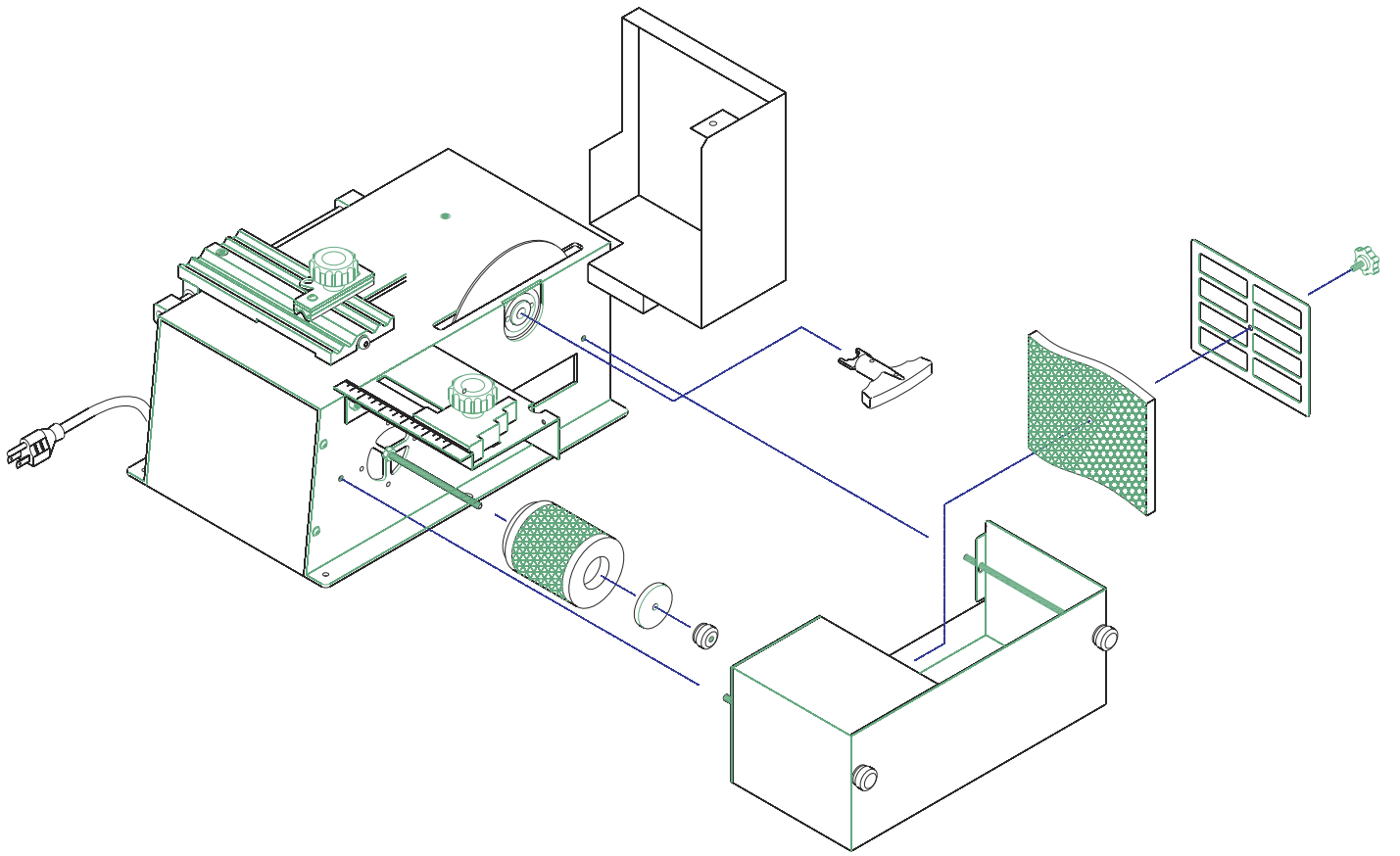
When cutting an entire set of iron shafts proceed as follows. Determine the amount to be trimmed from what will be the longest shaft and set the first step of the stop block to that location on the depth gauge. Next insert and lock down four shafts into the sliding shaft cradle with the tip of the shafts butted up against the steps of the stop block.

For example 1” of tip trim for a 3 iron will have the first step of the stop block at 1” on the depth gauge. This will put the second shaft (i.e.4 iron) at 1 ½” to be cut, the third shaft (i.e. 5 iron) at 2” to be cut and the fourth shaft (i.e. 6 iron) at 2 ½” to be cut.

Reset the first step of the stop block to 3” on the depth gauge and this will produce ½” incremental cuts for the remaining 7 iron through PW set of iron shafts. (Should the wedge shafts tip trim be only ¼” shorter than the 9 iron rather than ½” compensation needs to be made.)

Procedure for cutting shafts to playing length from the butt end of shaft. Dry fit the longest shaft of the set into the corresponding club head. Measure with a club rule and mark the cut line with a felt tip pen. Next determine how much of the butt end of the shaft should be removed and set the first step of the stop block to the determined amount.

Usually for a 3 iron the amount to be cut from a 41” shaft will be approximately 2” to yield a standard 39” playing length. This is predetermined by what the Hosel Bore Depth to Sole Measurement ACTUALLY is. That is why it is recommended to dry fit, measure and mark the shaft for final cutting. Insert and lock down shafts into the sliding shaft cradle with the ends butted up against the steps on the stop block. As before with tip trimming



Cleaning the dust collection tray & primary air filter

1- Disconnect power supply from unit.
2- Flip the lid open by unscrewing the cap screw securing the lid to the frame
3- Remove the two thumbscrews that secure the black collection bin to the main unit. Empty scrap cut off portions of shafts for disposal.
4- Remove the pre-filter from slot in the collection bin and rinse under a tap. Shake the filter to drain the water.
5- Wipe bin clean with a damp cloth. Or, you can rinse the tray under a tap. Dry the tray to prevent rusting.

Replace filter back in slot of the collection bin. Reinstall the collection bin and secure with thumbscrews.

Replacing the main air filter:
The main air filter is oil soaked to trap very small dust particle in the order of 100 micron or less. This is similar to filters used in air compressor. When the filter becomes clogged, it should be discarded and replaced with a new one. Do not use compressed air to blow the dust off as this will just clog it even further and restrict the amount or air flow that can cleaned.

To replace the Main air filter, simply follow step 1~3. Remove the thumb screw holding the filter in place and pull the filter out. Replace the filter as required.

Changing the cutting blade

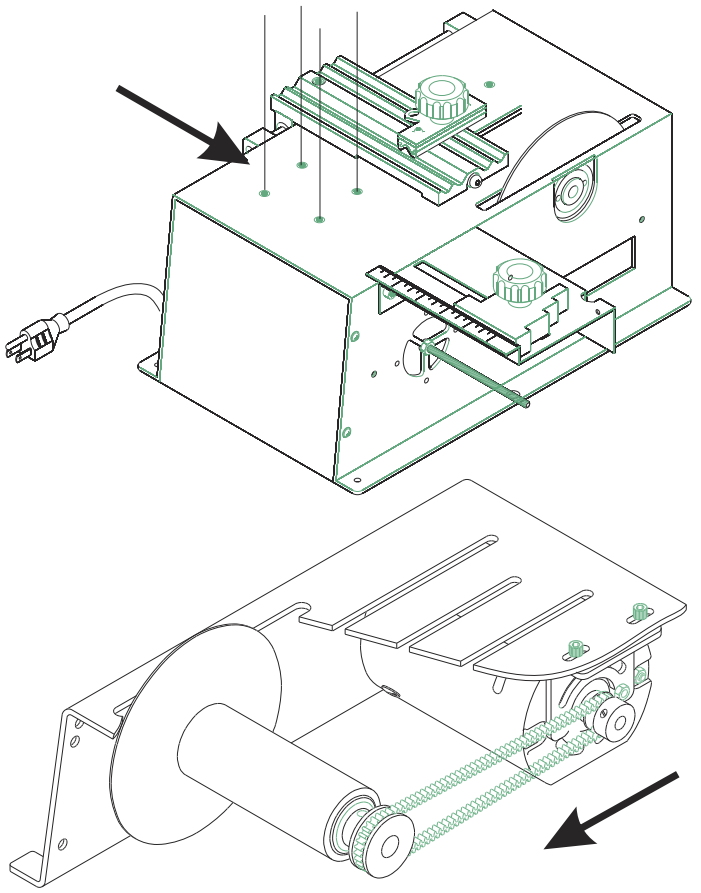
1- Disconnect power supply from unit.
2- Remove the two thumbscrews that secure the collection bin to the main unit. Set collection unit aside.
3- Pinch cutoff wheel with fingers, and release the flange nut securing the blade to the drive shaft, using the wrench provided. Discard used blade
4- Clean spindle and backing washer from dust that may have gathered and mount the new blade, making sure that it is properly seated on the shaft and against the backing washer.
5- Pinch cutoff wheel with fingers and tighten the lock nut Do not over torque.
6- Spin cutoff wheel to make sure that it is properly installed.
7- Reinstall collection bin and reconnect power supply and turn the machine to ON. The blade must spin smoothly.

Replacing the belt drive

1- Unplug the unit from its AC wall socket.
2- Unbolt the unit from the bench.
3- Slide the cradle forward to access the motor bracket holding screws.
4- Un-tighten the four screws lightly so that the motor bracket is free to slide forward.
5- Turn the machine on its back to access the drive belt.
6- remove old belt drive and mount the new belt over the spindle pulley and motor, then slide the motor back to pick the slack on the belt drive.
7- Tighten screw bracket, making sure that the motor bracket is square. If improperly installed, the belt will wear out prematurely. The motor air intake port must also line up with the air filter port.

Important: Do not over tighten the belt drive as this may damage the motor and drive.

Do not pry the belt drive with screw driver against the pulley to mount or dismount.



For your safety:

1- Read and understand the instruction manual prior to operating the shaft cutter.
2- Familiarize yourself with the workings of the shaft cutter before installation.
3- Do not install the shaft cutter and or carry out any maintenance work on it prior to disconnecting it from the AC power outlet.
4- Before operating the shaft cutter it is always good practice to examine the cutoff wheel for signs of cracks, broken edges etc.. Replace cutoff wheel as directed when worn out.
5- Always clamp shafts properly before feeding into the cutoff wheel.
6- Do not cut shafts when the cutoff wheel garde is removed. Always wear protective eye goggles to protect your self from flying debris, dust etc...
7- Keep loose clothing, jewelry etc... Away from cutoff wheel.
8- Do not use water to keep dust down and do not fill up the discard tray with water. Water may sip through to the motor causing it to short.
9- Always disconnect from AC outlet when finished so that no one can turn it on accidentally.
10- When cutting shafts do not overload motor by force feeding shafts into the cutoff wheel. Do not operate motor intermittently for more than 15 minutes at a time.
11- Keep the primary air filter clean, and do not allow the discard tray to overfill. Replace the main air filter when clogged.
12- Do not remove the rubber skirts around the guard. The skirt help contain dust and flying debris.

Always use cutoff wheels 150X2X22 mm rated at 8000 RPM or 3800 m/min. Equivalent to 6"x7/8"x1/16" 26,000 Ft/min

WARNING:
This shaft cutter has been designed for cutting off steel and graphite golf shafts only. It is not suitable for other cutting purposes. Doing so is at the operator's risk.This machine may not be modified in anyway. Doing so is at the owner's risk.