



BY GRATCH INTERNATIONAL

RevoGlas Pro glass renovation system

The glassrenovation system includes: High-end Makita grinder, 3", 5", 6" and 8" backing disks, 3", 5", 6" and 8" RevoDisks in 5 different grinding ranges (100 pieces), 3", 5" and 6" polishing felt pads, infrared temperature gun, spray bottle of RevoGlas polish spray, spray bottle of RevoGlas Finishing Spray, rasp, wire brush, dustmask and instruction manual.

Instruction manual

Preparation of the system

1. Put the pouch of polishing compound into the bottle with 'polishing compound' on it, and fill it up with water.
2. Put the bottle of finishing spray into the bottle with 'finishing spray' on it, and fill it up with water.
3. Fasten the handle to the grinder, as wished.

Glass grinding, removal of acid graffiti and scratches

1. Determine how severe the scratch or acid damage is, this determines which type/color RevoDisk to begin with. Start with a RevoDisk as small as possible for the size of the damage. This will make it easier to avoid distortion.
2. In case of acid graffiti, you will be removing large areas of damaged glass. Therefore we recommend starting with the 6" RevoDisk. Assume the damage is deep enough to at least catch a fingernail.
3. Grind entire area of damage evenly, always moving methodically over damaged area, until scratches, damage or 'melted' look is gone. Always make sure your disk is completely flat while grinding the surface. This is imperative to achieving the highest quality, no distortion repair. This does take practice, most people will become proficient within one week of practicing.
4. Monitor temperature with the temperature gun by pointing at it. Always try to keep your working area under 65° C (150° F). Getting the glass too hot, especially near the edge will break it. If the area gets too warm, move to another area of the glass or another window and let the area cool down. It's important to get the glass warm enough to grind it.

5. Select the right color and size RevoDisk, it's often recommended to start with the 6" black RevoDisk.

Overview of the RevoDisks:

RED (D#)	Used for severe scratches and damages
GREEN (C#)	Used for deep scratches and damages
BLACK (B#)	Used for medium scratches and damages
BLUE (A#)	Used for slight damages
GREY (PP#)	Used as a pre-polish disk (for fast polishing process afterwards)

The grinder is best to be used in setting #2 or #3. Make sure your work looks uniform in appearance while grinding. When removing large amounts of glass the RevoDisk will glaze over with glassdust. To remedy this, smack the disk with the wire brush, WHEN THE DISK IS NOT MOVING.

6. Always finish with the GREY PP# RevoDisk, we recommend using the 6" or 8" whenever possible. 5" can also be used, however the bigger ones reduce possibility of distortion even more. Start in the center of the area and begin grinding/pre-polishing. With the white RevoDisk we actually want to fill up with glass stock, the glass dust polishes the glass. You should be able to see a magnificent change while using the white RevoDisk. When the RevoDisk is covered with glass go over the edges, so there is no distinctive line. The edge of the area should look blended into the undamaged glass. There may be no hard edges.
7. During the polishing, the grinder setting should be between #1 to #4, depending on the type and thickness of the glass. On thin glass a lower speed setting is recommended to avoid breaking of the glass. It's also recommended to use more polishing spray on the disk than normal. The process will take longer, without the risk of breaking the glass. The 3" polishing Disk is to be used at edges, in all other cases the 5" or 6" can be used. Keep the polishing pad damp but not soak. A couple of light mists give you the moisture and polishing compound you need. Shake spray bottle before each misting. N.B.: A new polish pad will absorb less compound! Never polish with a dry pad, this will cause heat to build up fast, which can lead to broken glass.
8. It's often easier to outline the glass on the opposite side, during polishing you can see where the working area is. Always work in small areas and keep checking for swirls, scratches and distortion. If you see any swirls or scratches, it's faster to re-work this area with the RevoDisk than try to polish these out.
9. The process is finished by cleaning the area with an almost dry polishing pad on low speed, to remove the majority of residue that may still be present. Any remaining polishing compound can be easily cleaned up with the specially formulated GlassRenu Finishing Spray.
10. Any questions or comments, check these instructions. If you still need assistance, call us and we will be happy to assist you with your issue.



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