

SET UP SHEET FOR THE CrystalBlast Elite

The standard nozzles size for the CrystalBlast Sandcarving line of equipment is 3/32" using 6 cfm @ 35 psi blasting pressure. This will produce the finest film detail using 180 mesh abrasive with the proper film thickness.

If the machine can be used with the larger 1/8" nozzle less blasting pressure will be required to maintain the same film detail.

The Elite can operate using finer 220 mesh abrasive with its Patented Separator Reclaimer.

The larger the nozzle, worn out 3/32" is larger, the more abrasive is delivered and the more often you cycle the dust collector cleaning cycle.



Please read this sheet before operation of the machine. This single sheet will help you to understand proper setup for the machine and any special items making sure the machine operates properly. Use the machine manual for proper adjustment, operation and service of the machine.

After the machine packaging has been removed and the machine has been placed in its user location, you can use the leg levers to level the machine on uneven surfaces.

Make sure you have enough compressed air volume for the blasting pressure you will be using. The 3/32" nozzle inside the Pro X2 consumes 6 cfm @ 35 psi blasting pressure. Media Blast advises doubling this volume of compressed air to allow for nozzle wear that demands more compressed air volume. Look for a compressor indicating at least 12 cfm delivery at 90-100 psi. Never use the displacement cfm listed on the compressor, this number has no pressure inside the tank and you will quickly see the number at 90 to 100 psi is less. Unless you maintain 90-100 psi it is possible the machine air controls will not function properly including the reverse pulse cleaning cycle.

1. Install an ambient dryer on the machine air inlet or wall if the machine will be use more than one hour per day. The Elite is designed to be a 40% machine duty cycle using the standard 3/32" sandcarving nozzle. Using a larger nozzle will require cleaning the dust collector more often and produce less detail. The 40% duty cycle relates to about 3-1/2 hours of sandcarving.
2. Make sure to check any hard line air compressor supply lines for restrictions in the form of undersized plumbing fitting, Tee fittings or small undersized air controls that might be located on the compressor.
3. Insure the air is dry and moisture free. If the compressor is marginal in cfm volume, less than 12 cfm, the air will transfer to the cabinet hot and moisture will be created inside the cabinet, abrasive will then stop flowing. A larger compress volume equals cooler compressed air and a longer lasting air compressor. 16 to 18 cfm is a good match for the Elite machine.
4. The machine includes the padded armrest. Remove the steel armrest and padded insert from the machine. Install the steel armrest using the supplied button head allen bolts, washers and nuts and push the padded rest into the frame.
5. The Elite includes the main air shut-off valve before the air inlet into the machine; this permits machine maintenance in the future and allows for pressure pot loading.
6. All blasting cabinets require a negative pressure inside the cabinet. The Pro X2 uses a 90 sq.ft. filter cartridge, (2 filters) and Radial Pressure Blower oversized for International operation using 50 cycle power source. Open the dust collector service access door and check the filter cartridges making sure they are still tight. Often long delivers can loosen the filters. With hands open and 180 degrees apart lightly hold the cartridge at the top and see if any movement side to side is possible with a light push. If loose tighten the center holding nut until no movement is noticeable....do not crush the filter pleats.
7. Attach the foot pedal valve to the pinch valve and Tee fitting before the air regulator. Push in on the fitting ring and push the tube into the fitting, release ring and pull back on the tube to make sure the tube is held in place.
8. The compressed air supply line for the Pro X2 should be 3/8" ID hose using hose barb fittings. Never use 1/4" yellow spiral hose or quick disconnect fittings on a machine with vibrator cleaning cycle.
9. Plug the machine service cord into any 20 amp. 120 volt single phase 60 cycle service outlet. It is important that no other electrical items are running off this service outlet. Radial Class III Blowers require a second to reach proper rpm, if the service line is not isolated and the circuit breaker is old it is possible to have the circuit breaker trip...NEVER USE EXTENSION CORDS.
10. The lights are 85 to 265 volt LED light that operates on any voltage between the 85 and 265 volts.