

Sandblaster

- Empty Sandblast media seperator
- Inspect and rotate sandblaster nozzle
- Sandblaster - Deep clean

Empty Sandblast media seperator

"Empty the Media Seperator Drawer

Behind the Plasma table is a square gray machine that is the media separator for the sand blaster.

There is a drawer on the bottom with two retaining latches.

1. Put on a dust mask and safety glasses
2. Ensure the sandblaster is off
3. Pull and release the red lever on the right side of the filter a few times to knock loose fine particles from the filter.
4. Check the vent ducting from the booth to the separator, ensure it's not filled with media.
5. Empty the bottom drawer into the dumpster
6. Use the Powder coating shopvac vacuum out the inside around the filter tubes and drawer box.

If we are out of sandblasting media, make a purchase request:

- Purchase request: <https://protohaven.org/purchasing>"

Inspect and rotate sandblaster nozzle

Service manual - <https://drive.google.com/file/d/10XyBZ8bd7pk9Vfl4iO3T76M2VwWSfi9C/view>

Safety

- Wear a dust mask.
- Wear safety glasses.

Rotate Nozzle

1. Unplug the sandblaster
1. Find a 1/8" Allen key in the maintenance cart.
1. Unlock the carbide nozzle at the front end of the spray gun using the allen key, so that it can rotate freely.
1. Rotate the carbide nozzle 1/4 turn clockwise (as looking down the barrel - but don't actually look down the barrel).
1. Lock the carbide nozzle in place using the Allen key.

Inspect the Spray Gun and Tube

Inspect all around the body of the spray gun and the tube below it for holes.

If any holes are found, red tag the sandblaster and file a maintenance report.

Notes

Rotating the nozzle extends the life of the nozzle.

Sandblaster - Deep clean

Safety

- Wear a dust mask. (If you do not have your own, disposable masks are available in the custodial room.)
- Wear safety glasses.

Tools/Materials Required

- Two 2-gal buckets (should be located near the machine)
- Soft mallet.

Clean Siphon Tube

1. Remove the siphon tube via the two screws at the top. (Be careful and avoid dropping the screws.)
2. Inspect the siphon tube for holes and file a tool report if any are visible.
3. Blow compressed air through the siphon tube to dislodge any caked on abrasive and dirt.
4. Reinstall siphon tube.

Clean Media

1. Place a bucket under the bottom gate of the cabinet.
2. Open the gate to drain out the media.
3. Tap the sides of the hopper with a soft mallet to get any remnants out. (We don't need the hopper completely clean.)
4. Take the buckets and a sifter outside.
5. Pass the material through the sifter to remove and debris.
6. Discard debris in the dumpster.
7. Dump the sifted media back in the cabinet.

Test Hopper Motor

1. Turn on the machine.
2. Verify hopper motor under the cabinet is active and vibrating. If it isn't running, file a tool report.