



## 07. Full Build Compilation

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## Step 1 — Clean the Build Chamber

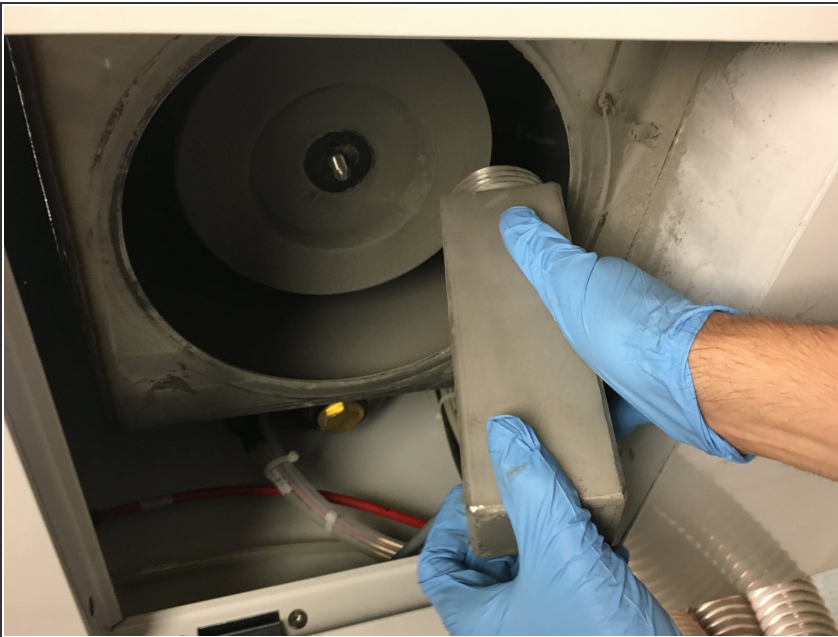
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- Use paint brushes, scrapers, and/or scoops to push all powder into the (2) canisters on the right

## Step 2 — Load PX Box Hopper

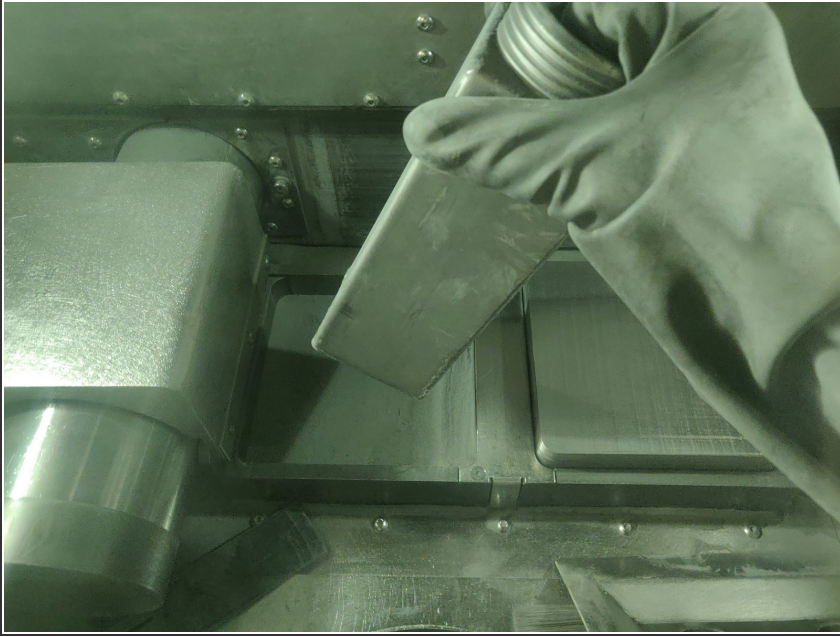
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- Load the PX Box with the dirty powder canisters
- Run the powder recycling process

### Step 3 — Load & Level New Powder

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- Load new powder into the supply
- Level the powder supply using the bottom of the powder canister
- Place the (2) now empty canisters in the right compartment

### Step 4 — Clean Build Chamber...Again

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- Clean any residual powder by pushing into the (2) empty canisters on the right



## Step 5 — Prepare & Load Build Plate

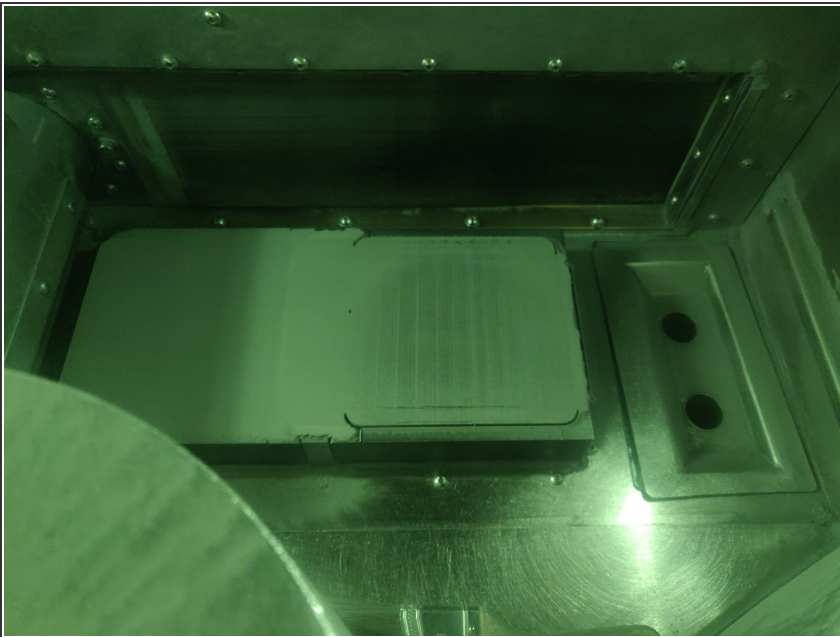
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- Clean and attach build plate to base
- Load build plate with the grain direction moving towards the engraved **FRONT**

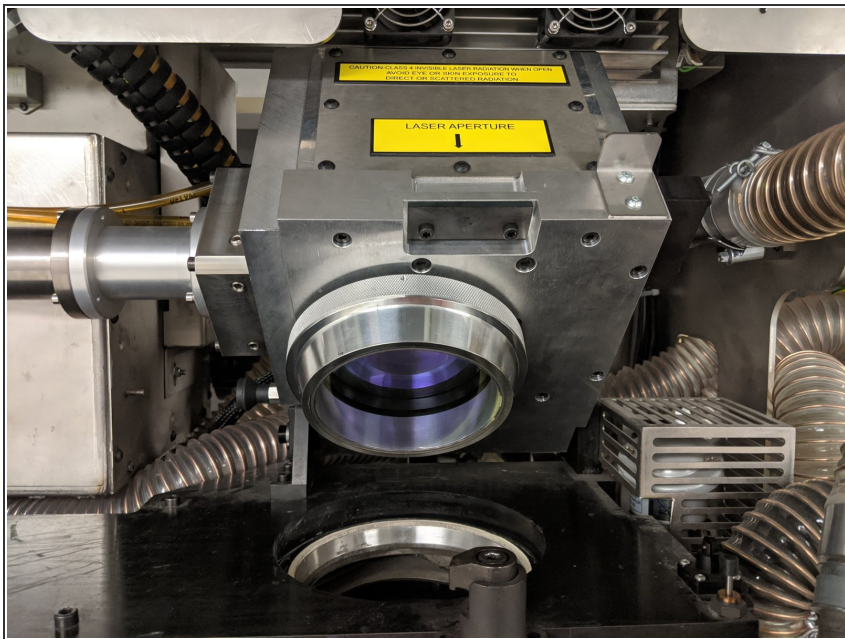
## Step 6 — Run Zero-Sinter & Preparation Layer

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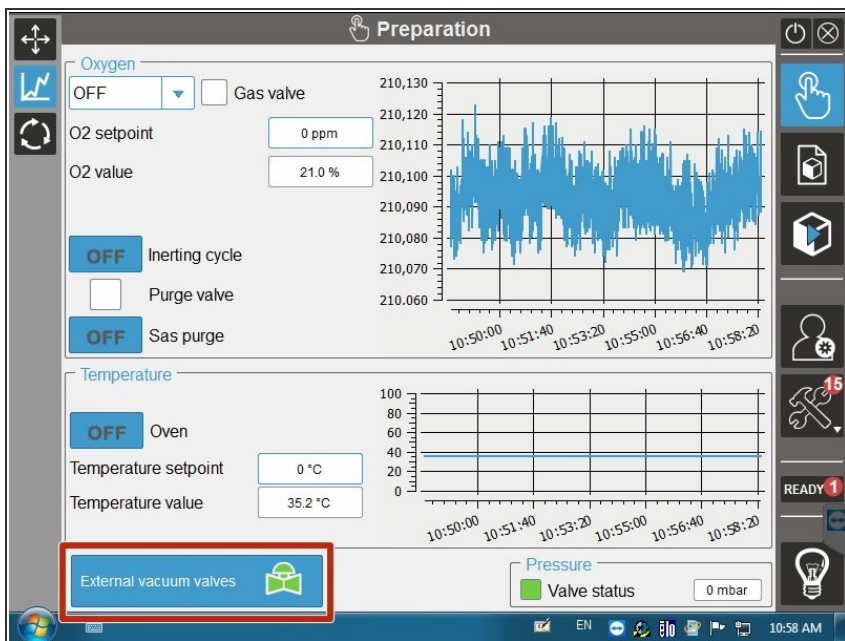
- Run both zero-sintering search and preparation layer
- Make sure the first layer has uniform coverage without any noticeable patterns or clumps

## Step 7 — Clean Lens & Check Water



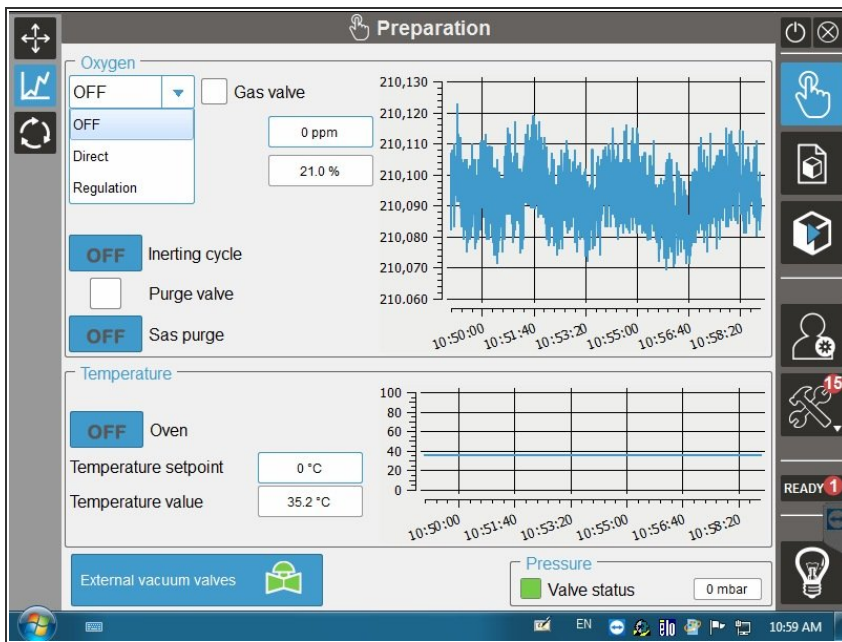
- Check the water level
- Clean the lens

## Step 8 — Close Valves, Lock Doors & Vacuum Up



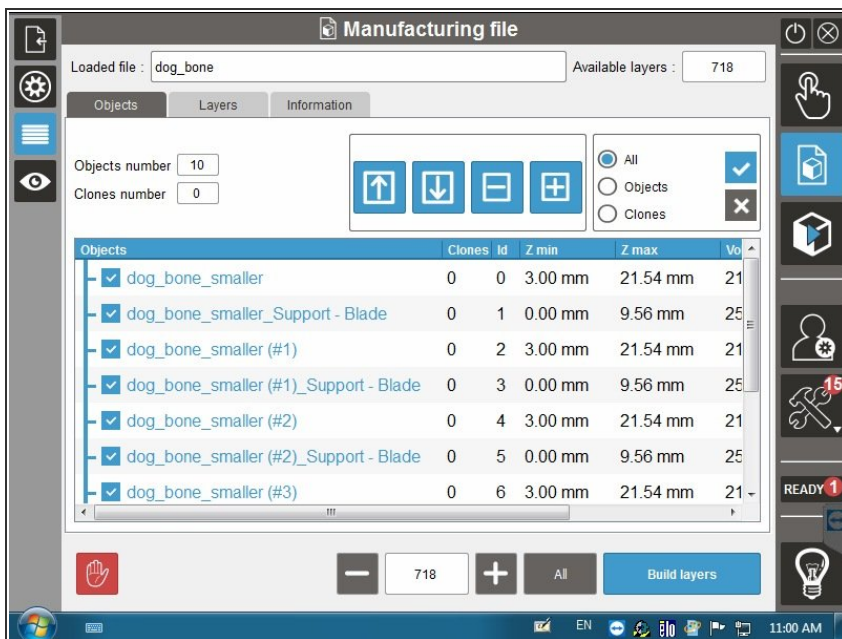
- Make sure to close the valves and lock the glove ports prior to argon purge
- Make sure the vacuum is locked in place inside the machine

## Step 9 — Inert Build Environment



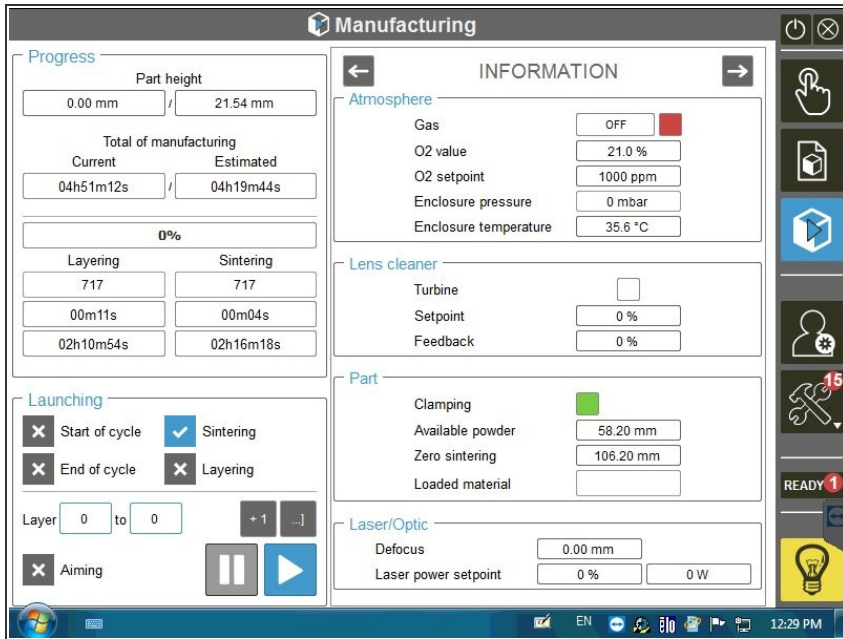
- Turn on the argon and run the purge cycle
- Make sure to burp the trap at ~2000 ppm

## Step 10 — Load File



- Load the sliced file and **BUILD LAYERS**

## Step 11 — Manual Layering & Start



- Layer and sinter 0-4 manually to make sure everything looks good

## Step 12 — Save Build Report & Argon Off



- Make sure to open internal valves



## Step 13 — Harvest & Clean Part

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- Slowly excavate part making sure to not overfill powder canisters
- Remove **ALL** powder from part and build plate

## Step 14 — Remove Part Support

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- Use bandsaw