

# IBIX Maintenance Checklist:

- Visual inspection.
- Empty material from system.
- Check for Clogging.
- Check red and black air lines (Twin Hoses).
- Check pressure regulator.
- Check H2O valve.
- Test pressure.

## SYSTEM CHECKLIST:

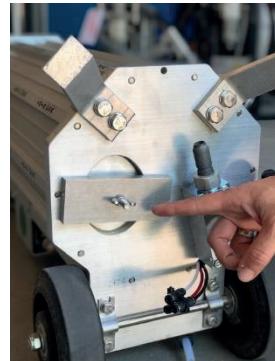
Safety glasses, gloves, ear plugs and dust mask required.

**Visual Inspection** – Before connecting the system to air compressor, visually inspect system and blast hose for any holes or tears.



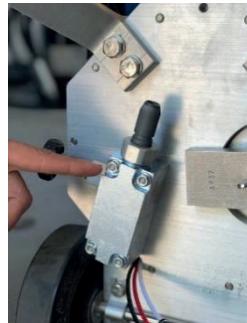
**Empty material from system** – If there is any remaining abrasive left within the system, empty the material into a bucket/container and store accordingly. With the IBIX Nano 3, Pro 9 and Trilogy 9, simply press open the flapper door, located on top of the system, with one hand. Once the flapper door is

open, lift the system up and turn upside down so the material falls freely into a bucket. For the IBIX-Pro/Trilogy 25, 28, 40 and 60; use the trap door located at the bottom of the system to empty remaining material.



**Check for clogging** – After the system is empty of abrasive material, check the gun and abrasive hose for clogging. Before connecting the air hose to the system, (Pro-H2O/Trilogy with H2O) First remove the water shroud by disconnecting water line and then turning the water shroud counterclockwise, exposing the tungsten nozzle. Once the water shroud has been removed; inspect the tungsten nozzle for any wear and tear, clogging or chipping. If the nozzle is jammed in the nozzle holder due to material holding it in place, simply twist the nozzle left and right until material loosens and frees the nozzle. After removing the tungsten nozzle, continue to visually inspect the nozzle for any further wear and tear or clogging. While the water shroud and tungsten nozzle are still removed, connect air hose to the system, open the abrasive valve between (counterclockwise) 6 – 10 turns. **SYSTEM MUST BE EMPTY OF MATERIAL.** Now that your abrasive valve is open and the shroud/nozzle are removed, push in the safety switch on blasting gun and pull trigger. This will release any congestion within the abrasive blasting hose. Reattach tungsten nozzle and water shroud. Check airflow once more to see if air flowing freely. If all is normal, close the abrasive valve, turn off the compressor and depressurize the system and air hose by pulling the trigger of the gun. After depressurization, you can now safely disconnect air hose.

Now that the abrasive hose and gun have been checked; it is time to check the abrasive valve. Laying the system down, disconnect blast hose from the system by pulling back on the female quick connect. Removing the female quick connect will expose the male tungsten abrasive valve fitting. Once the hose is disconnected, remove the 4 nuts from the abrasive valve with a 10mm socket or wrench. After removing the 4 nuts, slide the abrasive valve off the system. Check both air and material feeds on abrasive valve with an air blower to make sure openings are free of material/clogging. Also, be sure to inspect O-ring seals of any cracking or tearing. Once abrasive valve has been inspected, reattach valve and reconnect blasting hose to system.



**Checking the Twin Hoses (Black and Red airlines)** – The black and red air lines on the system should always be straight. Inspect the back, bottom and blast hose to make sure there are no kinks in either red or black line. If both lines are straight on system and blast hose - make sure that each line is firmly pushed in to each quick connect on the machine and gun.



**Checking Pressure Regulator** – Before connecting the system to the compressor, make sure that the abrasive material valve located at the bottom of the system is completely shut off. Turn the abrasive valve clockwise to shut off material 100%. Connect air hose to system and turn compressor on. Once system is pressurized, test the air pressure from low to high pressure. Turning the pressure regulator counterclockwise will decrease the pressure and turning it clockwise will increase the pressure. If air is being regulated normally, finish inspection by returning the air down to its lowest setting. Turn the compressor off, depressurize system by pulling the trigger on the gun and then disconnect the air hose from system.



**Checking the H2O Valve** – While the compressor is on and the air hose is connected, attach a regular garden hose (male end) into water fitting (female) on system. Before turning on water, be sure to inspect the clear water line on the back, bottom and blast hose for any bends or kinks. Be sure to check if water line is firmly in place in the water shroud as well. Once the water line has been inspected, you may now turn on the water from water source. Before testing the water, make sure the abrasive valve is

completely closed off. Locate the black tethering lever attached to the water fitting on the back of the system. If the lever is pointed towards the back, the water is completely off. To begin to produce water, turn tethering lever towards the water fitting on the back-right side of the system. This will adjust the water from a light mist to full mist. If water is functioning normally, return tethering to the off position and disconnect water and air. If water continuously leaks from the water shroud, then the water shroud or lock washer/quick connect should be replaced.



**Testing System Pressure** – The last step required on the IBIX Maintenance Checklist is testing the system air pressure. Each system has a minimum CFM (Cubic Feet per Minute) requirement. Please see the Multi-System Spec Sheet for system CFM requirements.