ETH STUDENT PROJECT HOUSE

SAND BLASTER

950X800X750 mm volume

SAFETY

This is a brief manual. Consider also **manufacturer's manual** and **ask supervisor in case of doubts**.

- **Wear safety shoes**
- **Wear long thick pants**
- **Wear safety jacket**
- **Wear gloves inside the machine**
- **Wear safety glasses**
- **Keep distance to moving parts**
- **Don't put fingers/hands between cabinet and hood**
- **Air valve must be closed before hood is opened**
- **Never sandblast while hood is open**
- **Check condition of gloves prior usage**

- **Hearing protection is advised**

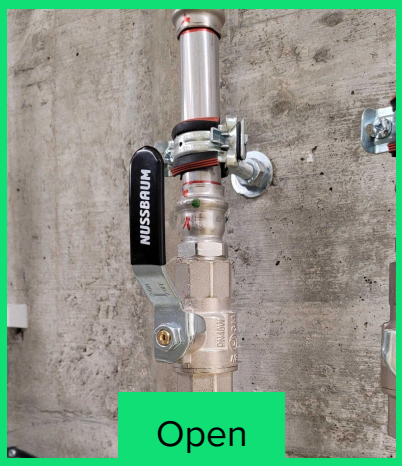
PREPARING THE MACHINE

Place the workpiece and close hood

Once you have logged in the machine you will see the light turn on.
You can now position the piece you have to sand inside of the machine by lifting the hood. Close hood after placing the workpiece inside the machine.

Check gloves and open valve

After closing the hood, check the condition of the gloves: There must be no holes or other damages. Then, open the pressurized air valve.



Open

Closed

USING THE MACHINE

Using the machine

DO NOT SANDBLAST WHILE THE FRONT PANEL OF THE MACHINE IS OPEN.

Avoid holding the workpiece in your hand whenever possible. It's best to lay it onto the metal grid and sandblast without holding it. If you can't avoid holding the workpiece, do not sandblast your hands!

You can press the pedal on the floor to start the air and sand flow, similar to a sewing machine. The pedal can lock down, to unlock it is sufficient to press on the back of it.

If you need another direction you can turn the piece and then start to sand again. When you are done with sanding you can tap it a bit to make the residue sand fall down and then remove it.

- CLOSE THE PRESSURIZED AIR VALVE BEFORE OPENING THE HOOD.
- RELEASE PRESSURE BY PRESSING THE PEDAL WITH VALVE CLOSED.
- WAIT 30 SECONDS BEFORE OPENING THE HOOD (Dust removal).

PAINTED PIECES

No paint removal

It is **NOT ALLOWED** to use the sand blaster to remove paint from workpieces.

Final result

Before

After