

Acrylics face Shield for COVID-19 - Assembly Instructions

Disclaimer:

These laser cut shields are made out of Acrylics for the frame, and a transparent sheet for the shields.

These shields are not medical masks and, if used alone, offer only a minimal physical barrier. We make no medical claims with regard to their usage.

As with all health decisions, please consult with your trusted medical professional to determine compatibility with your personal situation if you are seeking a face shield to wear in relation to medical issues. These face shields do not come with filters or the option to insert filters.

These shields are **not** assembled in a sterile environment; however all possible precautions are taken to prevent the spread of COVID-19 through social distancing and limited any person to person contact outside of our immediate household. Gloves are worn during assembly, however cleaning of shields prior to any use is always recommended as an extra precaution.

These shields **will not, if used alone, prevent the transmission of disease**. Our shields are not FDA approved. We are not affiliated with any organizations, manufacturers or companies, or with the medical services. Our shields are limited handcrafted items.

Use these shields at your own risk. No rights are given or implied.

This initiative is non-profit, all solutions are donated to the community with no charge. **All designs are open source and can't be used for profit.**

Supply List - Consumables:

- Acrylic
 - Size: 3mm minimum
 - Color: Any
- Elastic: Normal clothes Elastic/ Elastic band.
- Transparent sheet "PET- PVC – STENCEL"
 - A4 – Transparent
 - Easy to see through
 - Non-Reflective
 - Solid - No Holes
 - Preferred 100:300 Micron

Supply List - Tools:

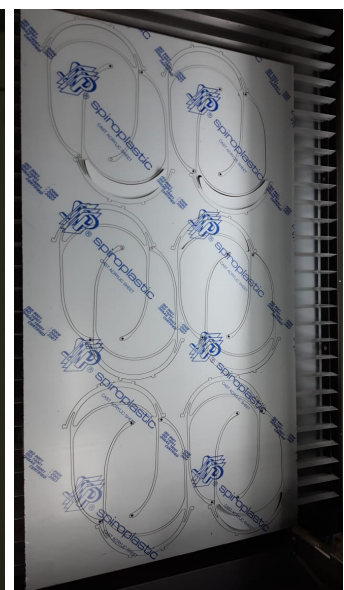
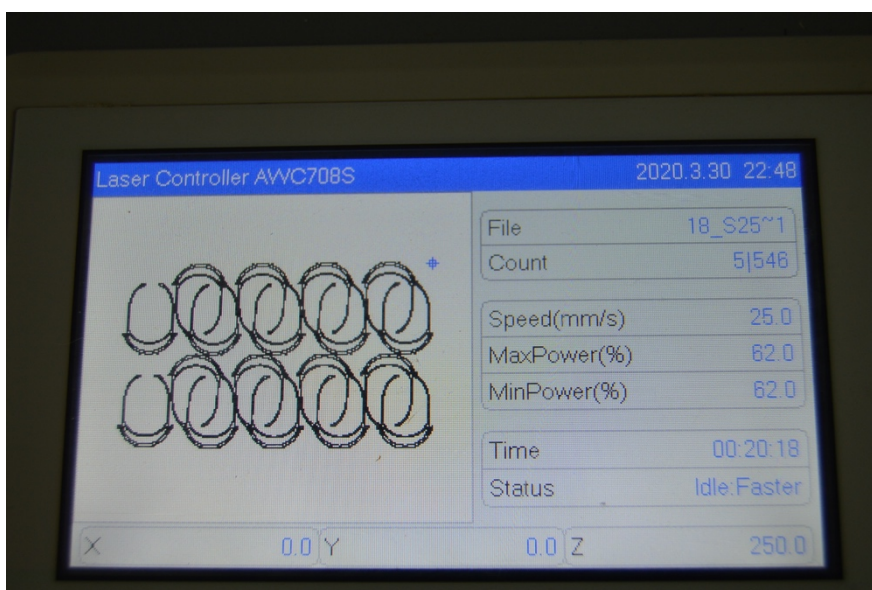
- Punchers 2 units
- Wood or any replacement for the punching process
 - 20 cm x 20 cm
- DXF Main File V1.0: [Here](#)
- DXF For Punching Alignment: [Here](#)

Before Cutting:

1. Clean the Head/Bed of the machine using Alcohol/Chlorine.
2. Adjust the machine focus/make sure it's the same at any point to increase the production
3. Prefer to cut the sheet to the size of the working area for easier handling
4. ONLY one operator is allowed and should apply the following list:
 - a. Wash your hand for >20 Sec
 - b. Wear Gloves
 - c. Wear medical mask
 - d. Wear Face Shield
 - e. Follow any other ways to reduce the infection
 - f. Change the gloves after each patch



5. Test the following settings in a small piece and make sure it's working- adjust the needed values
6. Update the supplied file and add as much as you can inside the working area -we managed to put 18 in the area of 60cm by 100cm

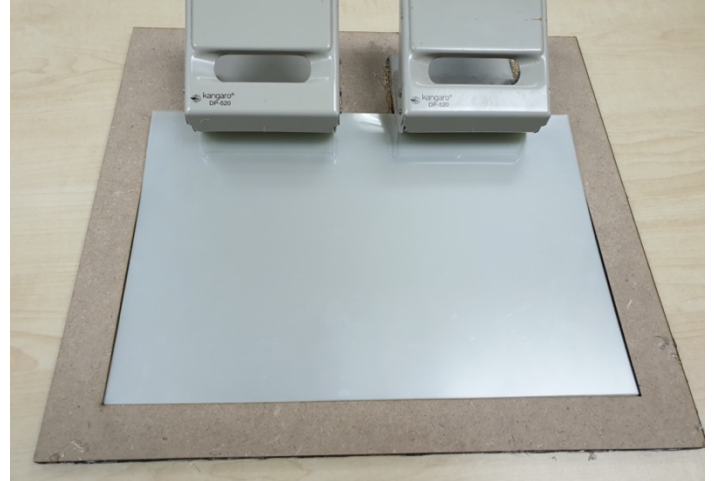
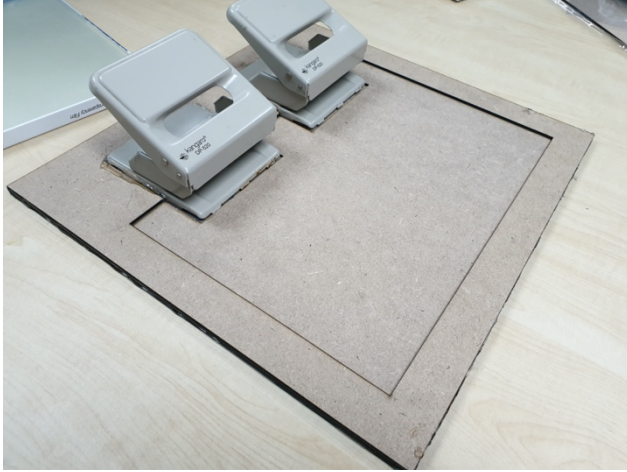


Laser settings:

- Speed 20-25 mm/sec Depending on your laser power

Preassembly:

- Cut the wood to adjust the punchers
- Test the spacing – do the adjusts needed then secure the punchers
- Only One operator should use the tool and follow the instructions before
- Cut the Paper



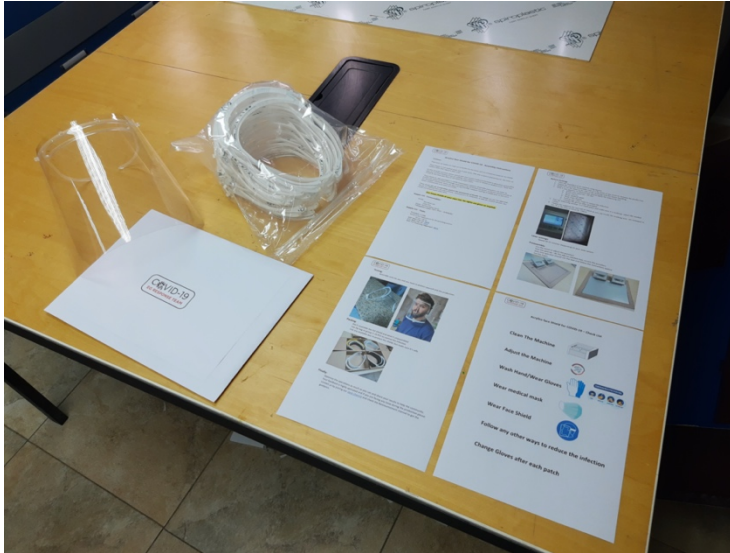
Testing:

Assemble units for you and you team to protect yourself and the production.



Packing:

- Don't assemble the full shield and send it unassembled
- Use clean Zip bag to group 5-10 PCS to control the infection
- Use a clean and closed box to protect the shield, but make sure it's safe.
- Keep Tracking your production in a table/excel sheet.

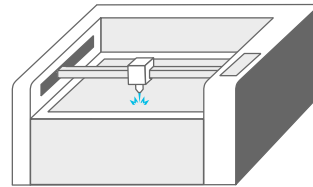


Finally:

Optimize the operations as much as you can and share your results to help the community. Your feedback is highly appreciated and if you are facing any issue during the production please contact us by joining our [slack channel](#) and check the #announcement channel to get the guidance.

Acrylics face Shield for COVID-19 – Check List

☐ **Clean The Machine**



☐ **Adjust the Machine**



☐ **Wash Hand/Wear Gloves**



☐ **Wear medical mask**



☐ **Wear Face Shield**



☐ **Follow any other ways to reduce the infection**

☐ **Change Gloves after each patch**