# COVID-19 3D US FACE SHIELD

**Date**: 1 April 2020 **Region**: US
**Audience**: Manufacturers **Confidentiality**:Public

## 3D FACE SHIELD - Printing Recommendations

**Job Setup**
The recommended print job is a full or a half build with a distance between parts of a least 3 mm.

Please follow HP guidelines to monitor powder quality, irradiance settings, and refresh ratio according to the packing density obtained.

**Serialization**
Parts can be serialized by adding a job ID and a part ID inside the job.

**Print Mode**
The print mode recommended is the Balance Print Mode. This applies for both the HP 3D 4200 & 5200 printers.

**Printing Orientation**
The best part quality of the part could be achieved by placing the parts in horizontal in the print envelope, as included in the image below:

**Material**
The shield frame can be printed in both HP High Reusability PA12 and HP High Reusability PA11

**Maintenance**
Please follow HP maintenance recommendations to assure the optimum part quality and machine uptime.

Link to the HP Jet Fusion 4200 User Guide
Link to the HP Jet Fusion 5200 User Guide