

## Amy Shogren

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**To:** Randy Flowers  
**Subject:** RE: PPE Face Shields

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**From:** Randy Flowers  
**Sent:** Friday, April 3, 2020 4:55 PM  
**To:** [amy@nvha.net](mailto:amy@nvha.net)  
**Cc:** [rflowers@smsindustriesslv.com](mailto:rflowers@smsindustriesslv.com)  
**Subject:** PPE Face Shields

Good Afternoon Amy,

It was nice speaking with you earlier today.

SMS Industries is a Sheet Metal Fabrication Company here in Las Vegas, Nevada. We primarily cater to the Gaming Industry providing sheet metal related products and services and we work with companies such as IGT, Scientific Games, Aristocrat, etc.. We employ roughly 60 employees and operate out of approximately 45,000 sq. ft. Obviously our town has taken a real hit with the shutdown and SMS Industries is no exception. We have been doing some research on PPE and it seems that there is a real need for this Equipment all around the world as availability is clearly very limited but also very much needed at this time.

Although SMS is not traditionally a manufacturer of PPE type equipment, we do employ some very talented folks that are not afraid to think outside the box. I do believe we may have a possible solution (simple as it may be) as it pertains to Face Shields. We have finished up with a few different ideas and have narrowed it down to a prototype that may be available for review and possible purchase as early as the beginning of next week.

These face shields are typically manufactured out of very thin (usually around .007" thick) polycarbonate material. This material seems to be almost impossible to source at this time due to the high demand. Traditional suppliers of these face shields (most of whom seem to be overseas manufacturers) as well as domestic distributors of these items seem to be either very low on stock or are completely sold out. What I hope is good news is that we here at SMS were able to procure and secure enough of this .007" thick polycarbonate material about a week ago and we may be able to possibly produce upwards of 20,000 face shields fairly quickly. Our supplier of this material did mention that more of this material may be available in the weeks to come but there isn't any available at this time.

Our solution, crude as it may be, may be an option for folks that are in real need of a face shield protector. Please understand that there has not been much time to professionally develop and/or market this face shield but I think with a little fine tuning we will have something that will provide the protection that many health care workers and other folks may need. The basic idea is to attach the face shield material (template) to a pair of readily available standard safety glasses using velcro for the attachment points between the safety glasses and the shield protector. This also provides double the shielding by utilizing the safety glasses as well as the face shield.

Attached is an example of what a traditional face shield may look like that is currently in the field but not available for purchase at this time. These face shields have most likely been tooled up overseas and have had the luxury of going through what I am sure are many stages of product improvement over the years.

I have also included a couple of pictures and a small video of our possible alternate solution. Again, please remember that this is something that we are somewhat trying to develop "on the fly" in order to provide a quick and immediate

solution for this type of protection. So, please have a look and let me know your thoughts and if you think there may be an interest with you and the folks that you work with.

Thank you Amy and Best regards,

**Randy L. Flowers**

President

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