Gmail Brian Alano

Thank you for applying to exhibit at Maker Faire Orlando!

Maker Faire Orlando <makers@makerfaireorlando.com> Mon, Aug 29, 2022 at 11:21 PM
Reply-To: makers@makerfaireorlando.com
To: brian@greenellipsis.org

Thank you for applying to exhibit at Maker Faire Orlando! Our volunteer team will review your application and will send any questions / updates via email. Please note that we typically do not have space for all submitted exhibits and work hard to maintain a diverse set of exhibits. If you have any questions about how to make your exhibit work best at Maker Faire Orlando (or any other questions!) email us at makers@makerfaireorlando.com

Thank you!

Need to update your application? Click here: Edit Submission

Call For Makers MFO2022

Exhibit ID	22-108
Name	Brian Alano
Email	brian@greenellipsis.org
Address	Street Address: State / Province: FL Postal / Zip Code: 32084
Phone Number	
Maker is over 18?	Yes, the maker above is 18 years of age or older.
	Green Ellipsis
	Green Ellipsis reduces waste through technological innovation.
Maker / Maker Group Photo or Logo	GreenEllipsisForward640trans.png
	brian@greenellipsis.org
	https://www.facebook.com/GreenEllipsis
	https://www.youtube.com/channel/UCDjgFWgxhcmGK5GvkxJVteA
Exhibit Name	Autotruder - Upcycling Beverage Bottles
Exhibit Short Description	Transforming 2L bottles into 3D printer filament, and transforming that into almost anything
Exhibit Long Description	Single-use plastic beverage bottles can be recycled by cutting them into long strips which can be used a number of ways. Pulling the strips through a heated die to make them into 3D printer filament not only recycles the bottle, but up-cycles it. We will exhibit the current state of the art, which is mostly a manual process whose resulting filament isn't economically competitive. We envision an automated pultrusion process that accepts unwashed 2-liter bottles and produces quality filament with zero waste products. This is a multi-stage process, including bottle

	washing, bottle preparation, bottle cutting, strip pultrusion, filament winding, filament splicing, filament packaging and byproduct processing, Every stage is a candidate for automation.
Exhibit Image - Primary	257656102_4016050361829667_2278958245555388945_n.jpg
Exhibit Image - Additional	256463078_4004249176343119_8741171975483102531_n.jpg 257979226_4016056655162371_3413943986697300597_n.jpg 259661801_4056624034438966_8799644117388571963_n.jpg https://www.youtube.com/watch?v=w-EAWBNNP8s
Exhibit Availability	This exhibit would be open for the entire event
Location	Must be located Inside
Location - Related Maker / Maker Group	MUST be located near other maker / maker group (provide name below)
Related Maker / Maker Group	Greater Florida LEGO Users Group (GFLUG)
Share Table with Related Maker / Maker Group Listed Above?	This exhibit needs its own table
Power Requirements	5 Amp Circuit
Water	This exhibit does not require proximity to a water source
Lighting Level	This exhibit requires a fully lit location
Sound Level	This exhibit can be located in a normal or loud location
Safety Concerns	This exhibit has hot parts, surfaces, or open flame (does not apply to 3D printers)
Safety Concerns - Other / More info	Power: steady state draw under 200 W Noise: the constant sound of stepper motors Safety: semi-exposed hot end; somewhat more than a 3D printer. Minor sharp object hazard related to freshly cut PET plastic. Uncharacterized VOCs may be emitted from 3D printing with PET, so the room must have at least typical ventilation.
How many hours do you require to setup your exhibit?	1
Anything else we should know about your exhibit?	It will be one pultruder and one 3D printer, and a bin full of 2L bottles. We would love to accept and use, on the spot, any 2L bottles emptied at the event! In that case, proximity to water would be quite helpful. Also in that case, we would be using D-limonene to clean the bottles--a non-toxic but noticeable citrus-derived chemical (think citrus cleaner).
Exhibit Sales	This exhibit does not have anything for sale.
Exhibit Categories	3D Printing Engineering Invention Sustainability Upcycling

We know that many exhibits are a work-in-progress. Use this link to update your exhibit application, add new pictures, etc! - Edit Submission

Note: This email is also sent as a confirmation on exhibit edits.