

APPLICATION FORM - Submission Details

Submission Date : 09/03/2019 5:56 pm

Unique Submission ID	134
Terms and Conditions acceptance	Yes
First Name	marcos
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Last Name	worms
Artistic Name	
Team Members	3
Nationality	brazilian
Gender	Male
Date of Birth	
Mobile Number	
Country	Brazil
State / Province	São Paulo
Town / City	São Paulo
Street Address 1	
Street Address 2	
Postcode / Zip	
University (just for students)	
Document	
Document Number	

Prize Category

Conscious Innovation Projects

Project Title

PROFESSIONAL PLASTIC RECYCLING GUN

Source of the used material

Type of plastic involved

Other materials involved

Years of production

Edition

Weight and Dimensions

Manufactured by

Describe your project accurately and how you developed your idea

We long for a democratic process to transform plastic into new pieces and solutions. We are developing a domestic product to be produced in a industrial scale and sold in big stores as any other household appliance. The equipment is mobile and can be used in any place with free movements, it's fed by electric energy and it accepts, as its raw material, various classifications of recycled plastic (crushed). In a first version, we've started with a simple extrusion mechanical structure using a drilling machine, a drill and a electrical resistance. But in the second version, we develop a arduino complex and a stepper motor, reaching higher control in the fusion process, in this version, functional prototypes were executed with recycled material, were produced chairs, bowls and small tables. Based on the results of previous experiments, we project a final version, being accessible to the public in general, capable of controlling temperature and speed in a touch panel and with various types of extrusion tips.

Picture 1 - Cover



Picture 2 - Designer Portrait



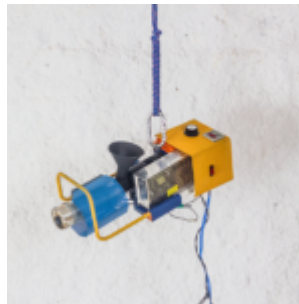
Picture 3



Picture 4



Picture 5



Picture 6



Picture 7



Picture 8



Picture 9



Picture 10



URL

https://youtu.be/N9Z_Isojsw

URL

URL

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Email

Modified Date