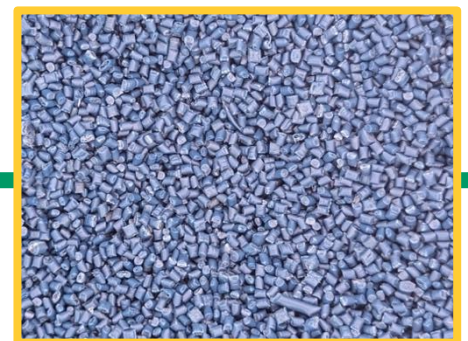




Project Protoprint

Waste Picker Operated Plastic Recycling



Promoting Socio-economic Transformation by Empowering Informal Waste Pickers for the Production of 3D Printing Filaments in Pune

The Recycling Process | Unit 1

1



Plastic
Waste

2



Sorting

3



Washing

4



Flaking

5



Density
Separation

6



Air
Drying

7



Agglomeration

8



Extrusion



Recycled Plastic Pellets



Rejections

Rigid and Liquid Rejection from Sorting



Rejection from Extrusion

Rejections from Density Separation





About Protoprint

Project Protoprint is a collaborative partnership that intends to transform the informal recycling sector through the gradual implementation of a circular and socially responsible model for plastic waste recycling.

The project is supported by the European Union's SWITCH-Asia program and implemented through a consortium led by Kashtakari Panchayat. Through the project, informal waste pickers will be empowered to set up and operate recycling units that convert plastic waste into recycled flakes, granules and 3-D printing filament.



Launched in 2007, SWITCH-Asia is the largest European Union funded programme promoting Sustainable Consumption and Production (SCP) in 41 countries in Asia, the Middle-East and the Pacific. Through the EU Green Deal and Global Gateway, the EU is committed to supporting the transition of countries to a low-carbon, resource-efficient and circular economy while promoting sustainable production and consumption (SCP) patterns within Asia and greener supply chains between Asia and Europe.

Learn more at: www.switch-asia.eu