

ROLLING STAR (HUBEI) NEW MATERIAL CO., LTD. PLASTIC RECYCLING FACTORY

Making a Genuine and Measurable Impact in Recycling



Rolling Star (Hubei) New Material Co., Ltd. is a state-of-the-art plastic recycling factory in Hubei, China that began operations in April 2023 and has an initial capacity to recycle over 10 metric tonnes per day. To ensure our recycling is done in the most environmentally-friendly manner possible, the factory is equipped with advanced water and air-emissions treatment equipment and is certified to the following standards:

- GRS 4.0 (Global Recycled Standard)
- ISO 14001, 9001 and 50001
- SMETA 4-Pillar
- ZDHC Supplier to Zero Level 1



MISSION



Our mission is two-fold:

- 1) To remove plastic from the waste stream and transform it into the highest quality GRS-certified 100% post-consumer recycled resin.**
- 2) To ensure that our recycling is done with the most environmentally friendly production processes.**



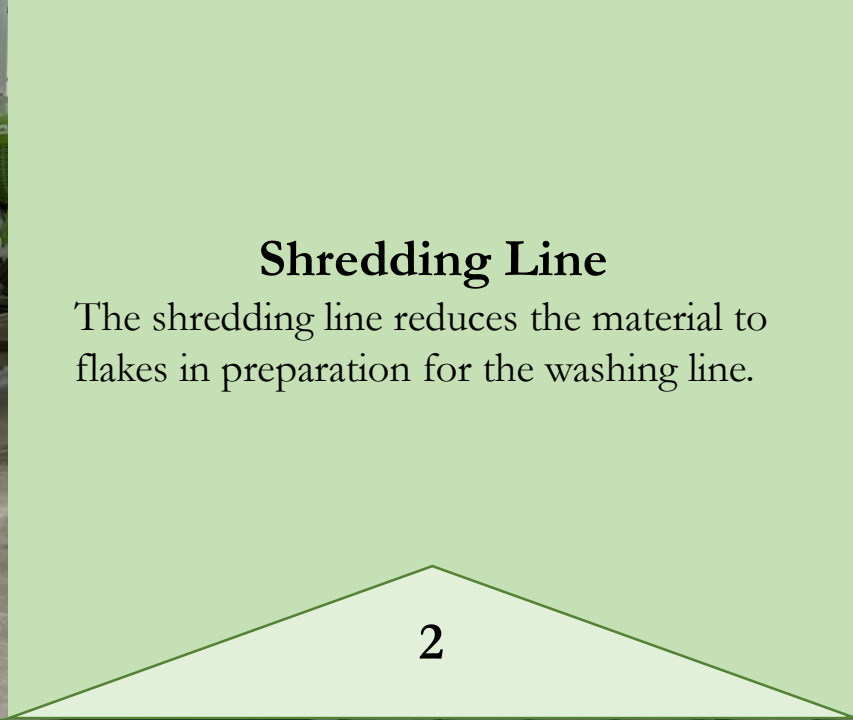
THE RECYCLING PROCESS & THE FACILITY



1

Raw Materials

All raw material is post-consumer waste that is pre-sorted to eliminate as many contaminants as possible.



2

Shredding Line

The shredding line reduces the material to flakes in preparation for the washing line.



3

Washing Lines

The shredded flakes undergo a three-stage washing process to remove any remaining contaminants before pelletizing. Most recycling factories skip this step, resulting in contaminated and dirty finished product.





4

Pelletizing Lines

The pelletizing process will turn the shredded and cleaned material into reusable plastic pellets.

Finished Product

The finished product will be tested to ensure proper technical quality and compliance with all relevant restricted substance policies.

5



6

Reuse

We will make high quality recycled resin more widely available to plastic manufacturers.



ENVIRONMENTAL MANAGEMENT

The facility is ISO 14001 and ISO 50001 certified, and is furthermore equipped with water treatment and air emissions treatment equipment to minimize the environmental impact from operations.

ISO 14001 and 50001



Water Treatment

The three stage washing process requires a significant amount of water. We have added a water treatment facility that allows us to reuse 95% of required water. The 5% loss is from evaporation and final waste “sludge” that will be dried and disposed off properly.

Air Emissions Treatment

We have installed advanced air-emissions equipment to treat all emissions from the pelletizing process.

Future Enhancements

- Install solar panels for electricity generation.
- Use electric vehicles.

FACTORY SNAPSHOT

- **Name:** Rolling Star (Hubei) New Material Co, Ltd.
- **Location:** Hubei, China.
- **Certifications:** GRS 4.0, ISO 14001, ISO 9001, ISO 50001, SMETA 4-Pillar, ZDHC Supplier to Zero Level 1.
- **Current Recycling Capacity:** 10+ metric tonnes per day.
- **Sustainability:** Equipped with water treatment (95% of water is re-used) and air emissions treatment equipment to minimize the environmental impact from operations.
- **Finished Product:** High quality 100% post-consumer recycled resin that will be tested for technical quality and for compliance with all relevant restricted substance policies.



CONTACT US

環昇(湖北)新材料有限公司
Rolling Star (Hubei) New Material Co., Ltd.

中國湖北省孝感市安陸市太白大道266號
華美智造產業新城一期D1-2號

Email: sales@rollingstarchina.com

Tel: 0712-5238 199

WeChat ID: RollingStar0712

