



INTRODUCTION

This document describes the recycling process and the feeding of the Shredding Line.

PPE REQUIREMENTS

- Hard Hat
- Waterproof/Chemical Suits
- Goggles
- Gloves
- Protective Boots

PROCESS

The Site Supervisor will instruct FLT operatives as to which materials in the yard are required for shredding.

The FLT operative then locates and checks the required materials to see whether they have been properly emptied. If empty, the operative then delivers and off-loads the selected materials onto the loading bay in Cages, Cut-Offs and Pallets.

All materials MUST then be inspected by operatives to determine the previous substance which has been contained within the Drum/IBC. Non Hazardous products can be fed directly into the Shredder whereas a material that is considered Hazardous due to leftover residues is to be sent via the Pre-Wash stage to be washed and rinsed prior to being sent to the Shredder.

The pre-wash consists of washing the material with a combination of hot water and caustic solution. This process is to be repeated until the contaminated material is clean and considered Non Hazardous.

Caps, Tops and any Shrink Wrap/Banding are to be removed before manually loading materials onto the n-feed elevator conveyor. Operatives MUST only load materials once at a time, to reduce the risk of jamming/damaging the machine.

The in-feed conveyor feeds the product into the 4-Shaft Shredder, which reduces the Drums/IBC Bottles down to the size of around 50mm wide strips.

At regular intervals, the CCTV screen needs to be checked to ensure firstly that the top of the shredder is not blocked, secondly, that the granulator feed conveyor is not backed up and thirdly, that the bags are ok.

Fibre and Plastic Drums and IBC Bottles can carry on being fed one by one until the receptacle container is full. At this point, the machine is to be stopped before all shredded contents are removed.

From the Shredder, the 50mm wide product is then fed into one of two wash cycles (Caustic Bath – to remove any remaining chemical residue). Once the Caustic Bath is complete, the product is then fed into the remaining wash cycle (Hot Water – to rinse the plastic of Caustic Solution and leave a clean finish to the product).

Once the plastic has been washed and rinsed, it is then dried. When dry, a further auger feeds the plastic into the Granulator where the product is reduced to the size of approximately 10mm.

From the granulator, the shredded product is sent up through a duct system, where it is blown into 2 awaiting bulk bags. Operatives MUST make sure to check on the bags at regular intervals to ensure the bags do not overflow once they have been filled.

Once the bags are full, an FLT operative is to move the bags which are then weighed and a note of the correct weight is to be written on the bag. This same weight information is to be recorded onto the relevant paperwork for later reference.

When all of the above instruction has been achieved, an FLT operative is to move the finished product to the allocated storage area, where it awaits collection from the customer.

-----END OF PROCESS-----