

Andela Pulverizer System processing Single Stream Glass

1. The Andela Metering Surge Hopper feeds the system single stream glass into the system consisting of broken glass, mixed with paper shred, plastics, and metal pieces. The product mix should not contain non-glass material larger than 6" in size. Glass can be any size. Typical material mix may be 10% - 20% non-glass. (by weight).



2. The mix is transferred by conveyor into the Andela Pulverizer. It may go under a cross-belt magnet to remove metal.
3. The Andela Pulverizer selectively reduces the glass into sand and gravel sized aggregate (less than 7/16") with flexible impactors, but passes the non-glass through without size reduction. There are no internal screens or pinch points in the pulverizer so the non-glass is not shredded or reduced in size. <http://www.youtube.com/watch?v=mFXVO8rn5OA>
4. The Andela Trommel is a long rotating barrel screen with two sections. The first section has a fine screen (3/16") to remove the fine pulverized glass sand.



5. The second section has a larger screen (7/16") to remove the gravel sized glass. The glass may be mixed with paper shred and small plastic bits. The paper removal system uses a blower to remove the paper shred as the material falls out of the trommel screen. The glass/gravel may fall into a bunker or be transferred by conveyor back into the pulverizer for re-grind into glass sand.



6. The pulverized glass does not have any sharp edges. The gradation of the pulverized sand and gravel will meet engineered aggregate specifications. The pulverized glass aggregate will have 1% or less organic content. The system will reduce 95% of the glass into a 7/16" minus glass aggregate.



7. The non-glass will exit the end of the trommel screen and may go to an Eddy CurrentSeparator for recovery of aluminum.

Andela GP-2HD Glass Pulverizer System.

<http://www.youtube.com/watch?v=VMh8zyI0Atc>

<http://www.youtube.com/watch?v=gCFzDvKgXCw>

