

Waste Management Arizona Community Ecocenter

19401 W. Deer Valley Rd.
Surprise, AZ 85387



A NEW GENERATION OF RECYCLING

The Waste Management Arizona Community Ecocenter is unlike any other materials recovery facility in Arizona. Its impressive equipment, processing capability and recycling education center will make a truly unique addition to the City of Surprise.

- 65,000-square-foot facility
- Capable of processing 10,000 tons per month
- State-of-the-art sorting technology
- Capable of processing glass and all plastics (#1-7)
- Located at the Northwest Regional Landfill

The brand-new Education Center features live video feeds, visual murals and other interactive tools to show the public how Waste Management extracts value from the materials we collect.

SINGLE-STREAM TECHNOLOGY

TITECH OPTICAL SORTERS

These machines determine the reflectivity of each object, then calculate the speed and location on the conveyor belt before dispersing a perfectly timed jet of air to separate the object from the rest of the materials. There are four TiTechs in use that separate certain plastics, paper and other fiber materials.

POWERFUL ELECTROMAGNETS

Powerful magnets pull tin and other ferrous materials from the conveyor belts and drop them directly into storage bunkers.

EDDY CURRENTS

Eddy currents create a magnetic field that pulls aluminum off the conveyor belt like a magnet. The aluminum then travels through a tube before it passes through a final hand-sorting quality check.

ROTATING DISK

Large, rotating disks are used to separate cardboard, or OCC, from the other materials before it is baled and shipped.



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