



Automotive Shredder Residue (ASR) Dryer

Engineered for Reliable, Low-Maintenance Dewatering in Demanding Environments

When every hour of uptime counts, the Elgin ASR Dryer delivers. Designed specifically to handle high-moisture automotive shredder residue (ASR), this system helps you keep material moving efficiently through your facility—whether you're feeding into landfill, further processing, or simply trying to reduce waste volume and improve storage.

ASR often contains up to 40% moisture, which can slow down operations, impact handling, and reduce the efficiency of downstream equipment. The ASR Dryer tackles this challenge head-on, removing moisture quickly and consistently—even under heavy, variable feed conditions.



Performance you can count on.

Built on over 70 years of Elgin's experience in industrial dewatering, the ASR Dryer is known for its rugged construction, consistent output, and field-tested reliability.

Simplified Operation & Maintenance

Operators will appreciate the ASR Dryer's user-friendly design. A variable-speed system (300-1,000 RPM) allows performance to be adjusted based on material flow, while maintaining steady G-force. The system handles both coarse and fine particles—and with field-convertible motors and vibrators, switching between the two doesn't require any extended downtime or complex reconfiguration.

Routine maintenance is fast and hassle-free:

- The oil-bath drive features a visible sight glass and easy-access fill and drain ports.
- Screens can be swapped in minutes with just basic tools.
- A single operator can manage most service tasks.

Built for the Real World

Designed with plant environments in mind, the ASR Dryer features a compact footprint and low energy consumption—ideal for space-conscious layouts and energy-sensitive facilities. Additional smart design features include:

- Toothed belt drive to minimize belt wear and reduce unplanned maintenance
- Insulated belt enclosure to lower ambient noise and improve work conditions
- Lightweight design for easy installation and repositioning

Ready for Your Line

Whether you're operating in a 50 Hz or 60 Hz environment, the ASR Dryer integrates easily into your existing setup. Its rugged design and adaptable features make it a dependable addition to any shredder residue handling operation.

Minimize downtime. Maximize throughput. The Elgin ASR Dryer is a smart, operator-friendly solution that helps you stay on schedule—and ahead of challenges.



Automotive Shredder Residue (ASR) Dryer

Drying ASR can help with several things:

- **Reduced Weight & Transport:** Drying lowers ASR moisture, reducing truckloads and stopping processed water leaks during transit, improving road cleanliness and EPA safety regulations.
- **Improved Material Recovery:** Drying can facilitate the recovery of certain materials, such as metals, from the ASR
- **Landfill-Friendly:** Dried ASR may qualify as daily cover (ADC) due to its sealing plastics and fibrous materials that help form a mat-like seal

Model:	ASR Dryer
Basket RPM:	300 to 1,000 RPM's
G-Force Range:	50 to 550 G's
Drive Unit:	Belt Driven
Rotation Motor:	20hp / 35hp
Vibratory Motor:	(2) 7.0 hp
Lubrication System:	Oil-Bath
Length:	152" (3,860 mm)
Width:	90" (2,286 mm)
Height:	98" (2,489 mm)
Weight:	19,769 lbs (8,967 kgs)

Did you know Elgin offers a full line of Decanter Centrifuges and Vibrating Screens.



Proudly Made in the U.S.A.



Operational Benefit of Installing an Elgin ASR Dryer *(Estimated)*

Current Operation:

- 10 trucks per hour transporting ASR to the landfill
- Each truck carries 22 tons of ASR with 35% retained moisture

Post-Dryer Operation (with Elgin ASR Dryer):

- Moisture reduced from 35% down to 15%
- Allows for the same dry mass of ASR in fewer loads
- Only 8 trucks per hour needed for the same dry material output

Cost Savings Overview

Trucking Reduction:

- 2 fewer trucks per hour
- 20 fewer truckloads per day
- 100 fewer truckloads per week
- 5,000 fewer truckloads per year

Direct Cost Savings:

- Reduced trucking costs: fuel, labor, maintenance
- Lower landfill tipping fees due to fewer loads