

WENDT Shredder Emission Control Systems



As environmental regulations continue to get tougher for shredder operators, **WENDT** recognized a need for development of an auto shredder emission control solution tailored to the challenging application of auto shredding in North America. **WENDT** dedicated research and development resources to address the issue. The result is an unprecedented, complete auto shredder emissions control solution to keep North American shredders in EPA compliance and sets a new standard for the scrap recycling industry.

From simple water injection systems to the most advanced particulate, VOC, and acid gas treatment, **WENDT** has a solution to satisfy any regulatory need. With **WENDT's** experience, we can assist our customers from permitting to install and through the entire process of bringing their shredder into environmental compliance.

- Unique process utilizing Dry Filtration Technology
- Significantly reduced high operating costs associated with legacy wet filtration processes
- Single source supplier of all equipment
- **WENDT** ensures entire system meets EPA compliance
- Protects operators from complications associated with coordinating multiple equipment suppliers
- Exclusive technology partnerships with leading emission control equipment companies, including APC Technologies
- Scalable to fit individual customer needs & location-specific requirements

Auto Shredders

Shredder Enclosures

Ferrous Downstreams

Emission Control Systems

Non-Ferrous Recovery Systems

WENDT Model 130 Shredding & Non-Ferrous Plant with Complete Emission Control System

WENDT Shredder Emission Control Systems



WENDT CORPORATION is a world leading provider of completely integrated scrap processing systems. Beyond our extensive equipment portfolio, WENDT's in-house team of engineers, project management, sales and service help us deliver unique value and a competitive advantage to our customers. The combination of our proven equipment, processes and innovative technologies are what make WENDT a world-class recycling equipment provider.

WENDT offers a wide range of installation configurations that are tailored to meet the needs of our customers and their specific markets.

Shredder Enclosures



- Superior explosion resistance
- Fire retardant panel construction
- Industry-proven, world-wide Experience
- Significant noise reduction

Particulate Control



- Fine particulate control methods:
 - UHF Dry Filtration
 - Wet Scrubber
 - Dry Sorbent Injection
- Large particulate control methods:
 - Drop Box
 - Cyclone

VOC Control



- Regenerative Thermal Oxidizer
- Only known technology being used in the U.S. auto shredding industry
- Capable of 98% destruction efficiency of VOC's (the primary emissions target of recent EPA enforcement)

Acid Gas Control



- Wet Packed Bed Scrubber
- Uses a chemical solution to remove the acid from the vapor stream
- Spray nozzles ensure full coverage of the vapor and soaks packing material
- The vapor stream, which is flowing upwards (countercurrent to the stream of liquid), contacts the moisture
- Capable of over 99% efficiency