



**WENDT**  
**PROMAN**  
Metal Recycling Pvt Ltd

# HAMMERMILL SHREDDERS



# Leading Manufacturer of Hammermill

## The WENDT Advantage:

- Over 45 years of extensive experience and know-how to deliver the most innovative shredders in the industry
- North American industry leader based on shredder installs the past 10 years
- Engineered to achieve maximum liberation of metal at the lowest operational cost per ton
- Custom plant design from shredder infeed to producing furnace-ready commodities
- Full range of services to support existing shredder operators
- Turnkey Integrator by developing, delivering, and supporting complete shredding systems





# Shredding Systems

Ferrous  
Downstreams

Emission  
Control  
Systems

Non-Ferrous  
Downstreams

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



# Innovator of the **Modular Shredding System**

Shredder

Dual  
Magstand

Built for  
Growth





Ferrous  
Picking  
Platform

## WENDT Non-Ferrous Metal Recovery Plant

Designed to **maximize value**  
while minimizing capital

WENDT 2,500 HP M6090 Modular Shredding Plant



# MODULAR SHREDDERS

MODEL	HP	FEEDSTOCK	INPUT mTPH	INPUT mTPM
40 x 50	500	Non-Ferrous Metals, UBC, Light Ferrous	2 - 9	450 - 1,400
60 x 60	1,000 - 1,500	Light Iron, White Goods, Aluminum	14 - 27	1,800 - 4,500
60 x 90	1,000 - 2,500	Light Iron, White Goods, Aluminum, Automobiles	18 - 55	2,700 - 9,000

\*Input mTPM based on  
8 hours x 21 days





# MODULAR SHREDDER FEATURES

## Structural Steel Platform with Pre-Fabricated Motor Enclosure

The pre-fabricated steel base supports the shredder, motor, and pin-puller and installs on a flat concrete pad. A pre-fabricated motor building mounts on our structural frame. This provides protection for the motor from outside elements and includes filtered ducting for motor cooling.

## Control Cabin & Supports

Control cabin has pre-fabricated enclosure, complete with lighting & HVAC, to house the shredder operator. Includes structural steel supports to elevate the cabin to an ideal location for operation.

## Fluid Power House

The pre-fabricated Fluid Power House contains hydraulic production and maintenance systems and arrives on-site pre-piped, pre-wired, and completely tested. This turnkey hydraulic enclosure is located under the pin-puller platform and designed to greatly reduce setup time and installation costs.

## Structural Steel Shredder Supports

The structural steel supports eliminate the need for permanent custom-designed concrete piers, resulting in faster and less expensive site preparation and installation costs.

WENDT's Modular Features reduce installation cost, duration, and total project cost when compared to traditional shredder installations with permanent infrastructure surrounding the shredder.



## E-House

Electrical components for the shredder and ferrous downstream come fully installed with Motor Control and PLC Panels in the portable enclosure. The finished interior of the E-House is factory wired and tested with motor starters and control equipment. Heavy beam supports elevate the remote E-House off the ground for ease of field wiring.





# REPLACEMENT SHREDDERS

MODEL	HP	FEEDSTOCK	INPUT mTPH	INPUT mTPM
80 x 104	2,500 - 3,000	Light Iron, White Goods, Aluminum, Automobiles	70 - 80	11,000 - 13,000
98 x 104	4,000 - 5,000		110 - 140	17,000 - 22,000

\*Input mTPM based on 8 hours x 21 days



WENDT's 45+ years of experience allows us to customize our shredders to achieve maximum productivity in any footprint. Our line of replacement shredders allows us to upgrade old, outdated shredders with state-of-the-art technology and modular features that offer minimal downtime.



# HEAVY SHREDDERS

\*Input mTPM based on 8 hours x 21 days

MODEL	HP	FEEDSTOCK	INPUT mTPH	INPUT mTPM
82 x 115	4,000 - 5,000	Light Iron, White Goods, Aluminum, Automobiles	90 - 120	13,000 - 18,000
106 x 115	6,000 - 7,000		180 - 210	27,000 - 36,000
130 x 115	8,000 - 10,000		290 - 365	43,000 - 55,000



**WENDT CORPORATION's** hammermill shredders are designed to offer reduced energy consumption while producing clean, high-density scrap at optimum tonnages and the lowest cost per ton. With thicker steel and up to 50% heavier than other shredders on the market, the **WENDT HEAVY™** shredder is designed to be the most durable, efficient, reliable, and serviceable hammermill shredder in the industry.



# INFEEED CONVEYOR

The Infeed Conveyor maximizes shredder throughput by feeding cars and loose sheet metal more efficiently. They can be supplied in a variety of configurations, lengths, and discharge heights to service any new or existing shredder. Our heavy duty, plate style design results in an incredibly robust and reliable machine.



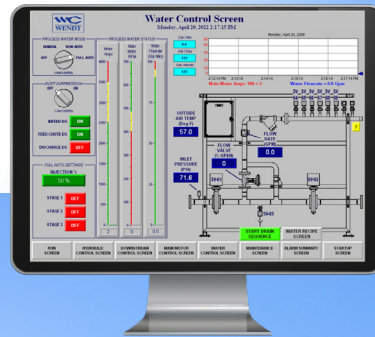
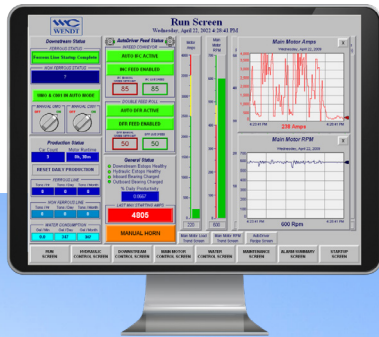


# SHREDDER AUTOMATION

Shredder Enhancements and process controls include a variety of hardware and software systems designed to control equipment. The benefits of an advanced process control system include: increased material throughput, improved energy management and conservation, safer plant operation, remote diagnostic, and troubleshooting capabilities as well as advanced data collection and reporting.

## Intelligent Water Injection

Computer controlled water injection is critical to the safe performance and environmental compliance of a shredder operation. Through production of steam within the shredder, emissions of dust and smoke are reduced as the airborne particles are entrapped and precipitated back to the scrap to be cleaned in the separation system. Steam also displaces air within the shredder, reducing the intensity of explosions and the possibility of sustained burning.



## AutoDriver™

AutoDriver™ controls fully automate the shredding process. It incorporates automatic feed roll lift and float to improve feeding, as well as independent variable-speed control of the infeed conveyor and feed roll to maximize main motor HP and maintain full box shredding. The AutoDriver™ Recipe Screen allows the end user to alter key operating parameters to customize performance and maximize throughput.

## WENDT Remote Support System (RSS)

At the heart of our support and service strategy is the connected enterprise. Our connection methodology ensures a proper and safe connection to facilitate remote access for our Service Engineers to assist with trouble shooting. It serves as the foundation for upgrading to WENDTOS by providing a direct, safe data link. WENDT also utilizes remote sensors, such as IoT sensors, to provide real-time data and resolve problems remotely.





# FERROUS DOWNSTREAMS

WENDT's separation systems are configured to attain the highest quality ferrous shred. From simple downstreams designed for first-time operators to the most advanced design to achieve low copper shred with minimal labor, WENDT offers a wide range of state-of-the-art downstream solutions to fit any size shredder.



400+ TPH Ferrous Cleaning System (Low Copper)



60 TPH Simple & Efficient Ferrous Downstream



# COMPLETE EMISSION CONTROL SYSTEMS

As environmental regulations continue to get tougher for shredder operators, WENDT recognized a need for development of an auto shredder emissions 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 customers from permitting to install and through the entire process of bringing their shredder into environmental compliance.

## SHREDDER ENCLOSURES



**Shredder Enclosures** with exclusive partner ILG International for noise reduction, occupational safety, stability, and durability. ILG enclosures are specifically designed to handle over-pressure events and the extreme environment around an auto shredder.



## DRY-FILTRATION EMISSION CONTROL



**Emission Control Systems** featuring exclusive dry filtration technology from APC Technologies. APC's unique process significantly reduces high operating costs associated with legacy wet filtration processes.



# SHREDDER CONSUMABLES

WENDT offers a full line of spare parts, shredder rotors, shredder castings, wear parts, and a fully-stocked, multi-million dollar parts inventory. We also provide the most extensive post-sale support services in the industry to keep our customers operation up and running at maximum productivity.

## **Rotors**

- Complete line of DISC and Spider Rotors
- Precision engineered for performance, increased durability, and a lower cost per shredded ton

## **Shredder Castings**

- Hammers • Pin Protectors • Anvils • Liners & Grates

## **Other Consumables**

- Hammer Pins • Grouser Flights • Shredder Bearings
- Bearing Housings • Rotor & End Disc Caps





# FULL SYSTEM INTEGRATOR

## APPLICATIONS

WENDT has invested heavily to develop a professional team that provides shredding and separation product and application experience unmatched in the industry. As a single-source supplier, we are tightly tied to our customers and bring all elements of a project together ensuring our solutions deliver customer value and maximize investments. Whether you're processing light iron, white goods, automobiles, or aluminum, WENDT offers a comprehensive range of metal shredders to fit any scrap segment application.



Auto Shred



Low Copper Shred



Clip



Aluminum Shred



Copper Shred

## NON-FERROUS SEPARATION & SORTING

The demand to recover and recycle a greater percentage of the auto shredder residue (ASR) stream has never been more vital for both economic and environmental reasons. WENDT's state-of-the-art separation and sorting systems allow operators to recover as much available metal as possible to stay competitive. Our scalable non-ferrous plants can be provided to handle any flow while maintaining high metal quality with minimal metal loss.



70 TPH Non-Ferrous Recovery Plant



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