

# Allegheny 100-Series Shredders

**CAPACITY: FROM 1 TON UP TO 2 ½ TONS PER HOUR – DESIGNED FOR 1 OR 2 OPERATORS**

*“My business relies on quality equipment. I’ve found that Allegheny’s precision-built shredders are made to last forever, are extremely reliable, and perform way beyond their expected capacity. Allegheny gives me what I need – and then some!”*

– RENEE KEENER  
American Document Securities



**A**LLEGHENY 100-SERIES SHREDDERS provide high capacity shredding, offering secure destruction of your confidential materials along with Allegheny’s proven reliability. These shredders allow a single operator to handle high-volume shredding jobs, yet the large feed tables will also accommodate two operators or an Allegheny tipper for fast, efficient shredding when required.

The Allegheny 100-Series comprises two different models: **Model 18-250C**

and **Model 20-350C**. To meet your specific needs, we offer several different horsepower motors for each model.

An extra-wide input conveyor and powerful crusher paddle allow these machines to thoroughly shred all types of confidential materials – paper waste (thick stacks of computer printouts, file folders, waste bin contents, and even 3-ring binders full of paper!); multimedia materials (microfiche, microfilm with reels, audio/video cassettes, CDs);

and plastics (credit cards, ID badges, x-rays).

Everything fed into an Allegheny shredder, from computer printouts to a single check, is rendered unreadable. These machines are therefore ideal for financial institutions, medical facilities, government agencies, or companies that provide centralized shredding for several locations. Allegheny 100-Series shredders are also an excellent choice for off-site contract shredding services.

# Powerful, Rugged, Long-Lasting

When you purchase a shredding system that you'll use day-in and day-out, the last thing you want is expensive downtime. That's why Allegheny's conveyor-fed shredders are designed, engineered, and manufactured to be the most reliable in the industry.

## BUILT TO LAST

Allegheny 100-Series Shredders are built for heavy, continuous use, with shredding capacities from 1 ton up to 2½ tons of paper per hour. Even though these are very powerful machines, they are remarkably quiet in their operation.

## Computer-aided design and manufacturing

Allegheny 100-Series Shredders are built using state-of-the-art computer-aided design (CAD) equipment. We also use computer-aided manufacturing (CAM)



equipment – including computer-controlled lathes, turret punches, milling machines, press brakes, and laser cutting machines – to ensure precision and long life for all components.

## Unique cutting assembly

The cutting assembly on all Allegheny 100-Series Shredders is made of individual solid steel cutters and combers. Compared with other types of cutting heads, this unique Allegheny design reduces build-up of shredded material and offers greater resistance to damage and wear.

The self-sharpening cutters are precision-ground from A-2 tool steel and heat-treated to optimum Rockwell hardness for lasting durability. Optional on all Allegheny conveyor-fed shredders are cutters made of our highest impact-resistant T-18 tool steel. Designed and milled only for Allegheny, this special steel withstands the heaviest shock loads and the most abusive applications, essentially eliminating cutter breakage.



These virtually indestructible cutters can shred not only large stacks of paper but also multimedia materials (microfiche, microfilm with reels, computer disks, audio/video cassettes, etc.) and plastics (credit cards, mylar sheets, etc.). Although not recommended, the rugged T-18 cutters can even shred foreign objects such as steel wrenches and bolts.

## Heavy-duty drive train

In our 100-Series Shredders, Allegheny uses Dodge-Reliance shaft-mounted gear reducers — the most reliable in the industry. All shafts are made of stress-relieved, high alloy, heat-treated steel. In addition, the spur/drive gears in all Allegheny shredders are carburized for resistance to wear and shock loads.

The entire drive train, in fact, is far heavier than required for the job. As a result, it provides years of trouble-free operation even under the most demanding conditions.

## All-steel construction

All covers, frames, base assemblies, spur/drive gears, shafts, cutters, combers, end plates, etc. are manufactured with only the highest quality American-made steel.

## Skilled craftsmen

Each Allegheny shredder is built by a team of trained craftsmen who take great pride in their work. Their attention to detail and dedication to excellence have been instrumental in earning Allegheny its worldwide reputation for quality equipment.



## UNIQUE SAFETY FEATURES

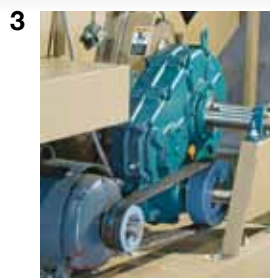
Safety is an integral part of the design of every Allegheny shredder. All conveyor-fed models are equipped with fixed safety shields, low voltage control panels, and two-position stop buttons. International symbol-coded safety labels plus comprehensive user manuals and maintenance schedules ensure safe and reliable operation.

## OPTIONAL EQUIPMENT TO MAXIMIZE PRODUCTIVITY

Allegheny provides optional equipment to enhance the productivity of your 100-Series Shredder. This includes Tippers, Output Conveyors, and Balers. Please see the back page of this brochure for more information.

## STRONGEST WARRANTY IN THE INDUSTRY

Allegheny 100-Series Shredders and all optional equipment are backed by a **1-year warranty on all parts and labor**. Plus, our unprecedented **10-year guaranteed trade-in policy** will save you money in upgrading to a new or larger model.



- 1 An extra-wide input conveyor and all-steel crusher paddle allow you to shred corrugated boxes, beverage containers, and other waste bin contents without having to flatten or sort them.
- 2 Durable, self-sharpening sawtooth cutters are made of A-2 tool steel or Allegheny's optional highest impact-resistant T-18 tool steel. The cutters easily shred stacks of paper, microfiche, computer disks, and even three-ring binders full of paper!
- 3 Driven by a powerful Lincoln motor and Dodge-Reliance shaft-mounted gear reducer, the 100-Series drive train is designed for trouble-free performance under the heaviest loads.

# Anatomy of an Allegheny 100-Series Shredder

*Standard features that make the 100-Series the most reliable in the industry*



Allegheny's virtually indestructible T-18 tool steel cutters (optional on all models) withstand the heaviest shock loads and the most abusive applications.

International symbol-coded safety labels are affixed to the machine to ensure operator safety awareness.

Cutter shafts turn on heavy-duty double spherical roller bearings. Crusher paddle and drive roller shafts turn on greaseable, sealed, flange-mounted ball bearings. All other shafts turn on sealed ball bearings that require no maintenance.

Extra-wide input conveyor and powerful steel crusher paddle allow you to shred wastebin contents and large bulky materials.

Heavy, all-steel construction provides ruggedness and durability.

Optional output conveyor is available.

Key-locked low-voltage control panel ensures safe operation by authorized operators only.

All-steel spur/drive gears are designed for high torque and heavy loads.

Dodge-Reliance shaft-mounted gear reducer is completely sealed and runs on oil for quiet, trouble-free operation. No lubrication or adjustments are required.

Outboard bearing provides stability for cutter shaft and shaft-mounted gear reducer.

All control panels are recessed for convenience and safety.

All 100-Series Shredders are equipped with 3 unique two-position stop buttons to ensure operator safety.

Allegheny takes pride in the ergonomic design of its paper shredders and complete shredding systems — maximizing safety, comfort, and convenience for operators.

Allegheny paper shredders are designed and engineered for ease in maintenance and servicing. This ensures lasting performance with minimum downtime.

Reversing starter and all other electrical controls are by Cutler-Hammer, known worldwide for exceptional quality and reliability.

Current-sensing relay automatically stops the machine in the event of a jam. As on all Allegheny models, the reversing starter allows the operator to clear a jam in seconds.

Powerful Lincoln motor can handle the heavy loads required for efficient paper shredding.

*Machine shown with covers removed*



Centralized lubrication system offers easy maintenance of spur/drive gears, roller bearings, and outboard bearing.

MODEL	18-250C		20-350C		
MOTOR	15 Hp	20 Hp	25 Hp	30 Hp	40 Hp
Capacity*	240-250	250-260	340-350	350-360	360-370
Input Speed (feet/meters per minute)	80 / 24	108 / 33	84 / 26	90 / 27	120 / 37
Feed Opening (width)	18" / 457 mm	18" / 457 mm	20" / 508 mm	20" / 508 mm	20" / 508 mm
Cutting Assembly (width)	18" / 457 mm	18" / 457 mm	20" / 508 mm	20" / 508 mm	20" / 508 mm
Cutting Assembly (clearance)	1 3/8" / 35 mm	1 3/8" / 35 mm	1 3/4" / 44.5 mm	1 3/4" / 44.5 mm	1 3/4" / 44.5 mm
Cutters	8.5" diameter; sawtooth; precision-ground from A-2 tool steel or Allegheny's highest impact-resistant T-18 tool steel (optional on all models), heat treated to optimum Rockwell hardness.		10.75" diameter; sawtooth; precision-ground from A-2 tool steel or Allegheny's impact-resistant T-18 tool steel (optional on all models), heat treated to optimum Rockwell hardness.		
Shred Width (other shred widths available)	1/2" / 12.7 mm	1/2" / 12.7 mm	1/2" / 12.7 mm	1/2" / 12.7 mm	1/2" / 12.7 mm
Crusher Paddle (diameter)	7" / 178 mm	7" / 178 mm	10" / 254 mm	10" / 254 mm	10" / 254 mm
Decibel Rating	70 dBA	70 dBA	72 dBA	72 dBA	72 dBA
Voltage	460 Volt AC, 3-phase, 60 cycle (other voltages are available)		460 Volt AC, 3-phase, 60 cycle (other voltages are available)		
Dimensions (W x L x H)	59" x 94" x 46" 1498 mm x 2388 mm x 1168 mm		70" x 107" x 55" 1778 mm x 2718 mm x 1397 mm		
Weight (machine/shipping)	2715 / 3380 lbs. 1231 / 1533 kg	2830 / 3495 lbs. 1284 / 1585 kg	5005 / 5970 lbs. 2270 / 2708 kg	5130 / 6095 lbs. 2327 / 2765 kg	5330 / 6295 lbs. 2418 / 2856 kg

\*Total sheets of 20 lb. bond paper that can be shredded per pass in multiple stacks. Actual capacity depends on available power supply.

As we constantly improve our products, specifications are subject to change without notice.

# Allegheny 100-Series Complete Shredding Systems



Allegheny offers optional equipment to provide easier disposal of your shredded materials and enable you to turn your waste paper into recycling dollars. We can even custom-design a complete shredding system to maximize your shredder's productivity and reduce your labor costs.

We'll help you determine the most efficient way to collect materials for shredding, process these materials through the shredder, and recycle the shredded paper for a profit.

Allegheny will also help you design the physical layout of your system to make the most efficient use of available space and personnel. Using computer-aided design technology we can provide you with a detailed diagram showing the optimal layout of your shredding system within your facility.

Our technicians are available to install your complete shredding system and train your personnel to ensure safe, efficient operation and proper maintenance of your equipment.



## Sorting Conveyors

Allegheny Sorting Conveyors allow several operators to separate materials by grade and type prior to shredding, thus maximizing the value of your recycled paper.



## Tipplers

Used with a loading cart, security container, or a Gaylord box, Allegheny Tipplers offer an efficient way to load material onto your shredder's input conveyor. This increases the volume of throughput to be shredded and minimizes operator fatigue and strain.

## Output Conveyors

Allegheny 100-Series Shredders can be equipped with an output conveyor for transporting shredded materials into a baler, compactor, dumpster, or other receptacle. We can provide you with a standard bolt-on output conveyor, or we can build an output conveyor to your specifications (bolt-on or roll-away).



## Horizontal Balers

For Allegheny 100-Series Shredders, we offer a complete line of heavy-duty balers to increase the efficiency of your disposal or recycling operations. Bale weights range from 1,000 lbs. up to 1,500 lbs. We offer both horizontal closed-end balers and open-end balers. The closed-end balers are equipped with electric-eye sensors for automatic control of the baling ram. This allows your operators to continue shredding until it is time to tie off the bale.



The high volume open-end balers offer even greater efficiency. They are available with either manual or automatic tie. An automatic tie baler allows your operators to shred continuously without having to tie off the bale.

## Establishing a Contract Shredding Service

Take advantage of Allegheny's more than 40 years of experience in the field of document security and destruction. We manufacture the highest quality shredding systems available, and we can design a complete system for you. Call your Allegheny sales representative for our fact sheet *Ten Steps to Establishing a Successful Contract Shredding Service*. We also offer a free DVD *Shredding for Profit*. Our experts will help guide you toward a successful future in this exciting growth industry.

## Give Us a Call

To learn more about how Allegheny can provide a total solution for your security needs, please call us. We offer the widest range of superior shredders available in the industry — from office paper shredders to high capacity shredding systems that can destroy up to 25 tons of paper per hour.

If you would like information about shredders with different capacities than Allegheny's 100-Series Shredders, please refer to the separate brochures on our J-Series Office Paper Shredders, 16-Series Shredders, 1000-Series Shredders, Security Grinders or Allegheny Horizontal Balers.



Old William Penn Highway East • Delmont, PA 15626-0080  
(800) 245-2497 • (724) 468-4300 • Fax: (724) 468-5919

solutions@alleghenyshredders.com www.alleghenyshredders.com



Over 40 Years of  
Customer Satisfaction