

Allegheny 1000-Series Shredders

CAPACITY: FROM 3 TONS UP TO 25 TONS PER HOUR – DESIGNED FOR USE BY MULTIPLE OPERATORS OR WITH AN ALLEGHENY AUTO-FEED™ SYSTEM

“My shredding businesses require reliable equipment with no downtime, durability to withstand years of wear, and exceptional customer service to meet any unexpected needs. Allegheny comes out shining on all three counts – I just wouldn’t deal with anyone else.”

– FRED SELF
Unishred



ALLEGHENY 1000-SERIES SHREDDERS are the combination of over 40 years of engineering and manufacturing excellence. Built to withstand the most demanding applications, these rugged, high-capacity shredders offer excellent reliability while destroying a wide variety and volume of confidential materials.

The Allegheny 1000-Series comprises four different models: **30-500C**, **36-1000C**, **36-1000CHD**, and **48-2000C**. Each model offers several different horsepower motors to suit your specific needs.

The large feed tables and extra-wide feed openings of the 1000-Series Shredders increase throughput by allowing multiple operators to feed material simultaneously. However, to save on labor costs, we recommend using the Allegheny AUTO-FEED™ System that allows one operator to do the work of two or three.

These powerful machines provide secure, on-site destruction of all types of confidential materials – from paper documents (thick stacks of computer printouts, file folders, waste bin contents, full 3-ring binders); multimedia materials (microfiche, microfilm with reels, audio/

video cassettes, CDs); and plastics (credit cards, ID badges, x-rays).

The Allegheny 1000-Series Shredders are ideal for contract shredding services, records storage centers, governmental archives, retention centers for banks, insurance companies and medical facilities, and all large corporations that require high-volume centralized shredding for several locations. These shredders can also generate a significant profit from recycling the large volumes of shredded materials.

Virtually Indestructible Shredding Power

When you're investing in a shredding system that will be the cornerstone of your document destruction operation, you want assurance that it is built to withstand heavy, continuous use. That's why Allegheny's 1000-Series Shredders are designed, engineered, and manufactured to be the most powerful and reliable in the industry.

BUILT TO LAST

Our 1000-Series Shredders are built for heavy, on-going use, with shredding capacities ranging from 3 tons up to 25



tons of material per hour. (Please note: High capacities are achieved by utilizing an Allegheny AUTO-FEED™ System in conjunction with an Allegheny 1000-Series Cross-Shredding System. For more details, please refer to Page 5.)

Computer-aided design and manufacturing

Allegheny 1000-Series Shredders are designed 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

“Allegheny doesn't take short cuts – they build ‘workhorse’ machines you can count on!”

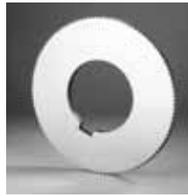
– RENEE KEENER

American Document Securities

machines — to ensure precision and long life for all components.

Unique cutting assembly

The cutting assembly on all Allegheny 1000-Series Shredders is made of individual solid-steel cutters along with our proprietary comber design, which allows for greater throughput.



Each cutter incorporates an innovative radius keyway design. This maximizes the dynamic driving torque of the cutters, allowing greater shredding capacity. For over 20 years, this unique design has proven superior to all others.

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, CDs, etc.) and plastics (credit cards, mylar sheets, etc.). Although not recommended, the rugged T-18 cutters can even shred foreign objects such as steel-belted tires, steel wrenches, and bolts!

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.

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

Input conveyor stops immediately on press of stop button – providing added safety and allowing jams to be cleared fast!

Optional variable-speed control: for the input conveyor allow regulation of the amount of material entering the cutting assembly.



Heavy-duty drive train

In our 1000-Series Shredders, Allegheny uses base-mounted gear reducers – proven to be the most reliable in the industry.

These gear reducers, which are made with steel gears and base-mounted for greater rigidity, will last well over 20 years even under heavy, continuous operation.

On shredders of this size, experience has shown that shaft-mounted gear reducers do not hold up under the stress of high volume shredding applications and must be replaced often – at significant cost.

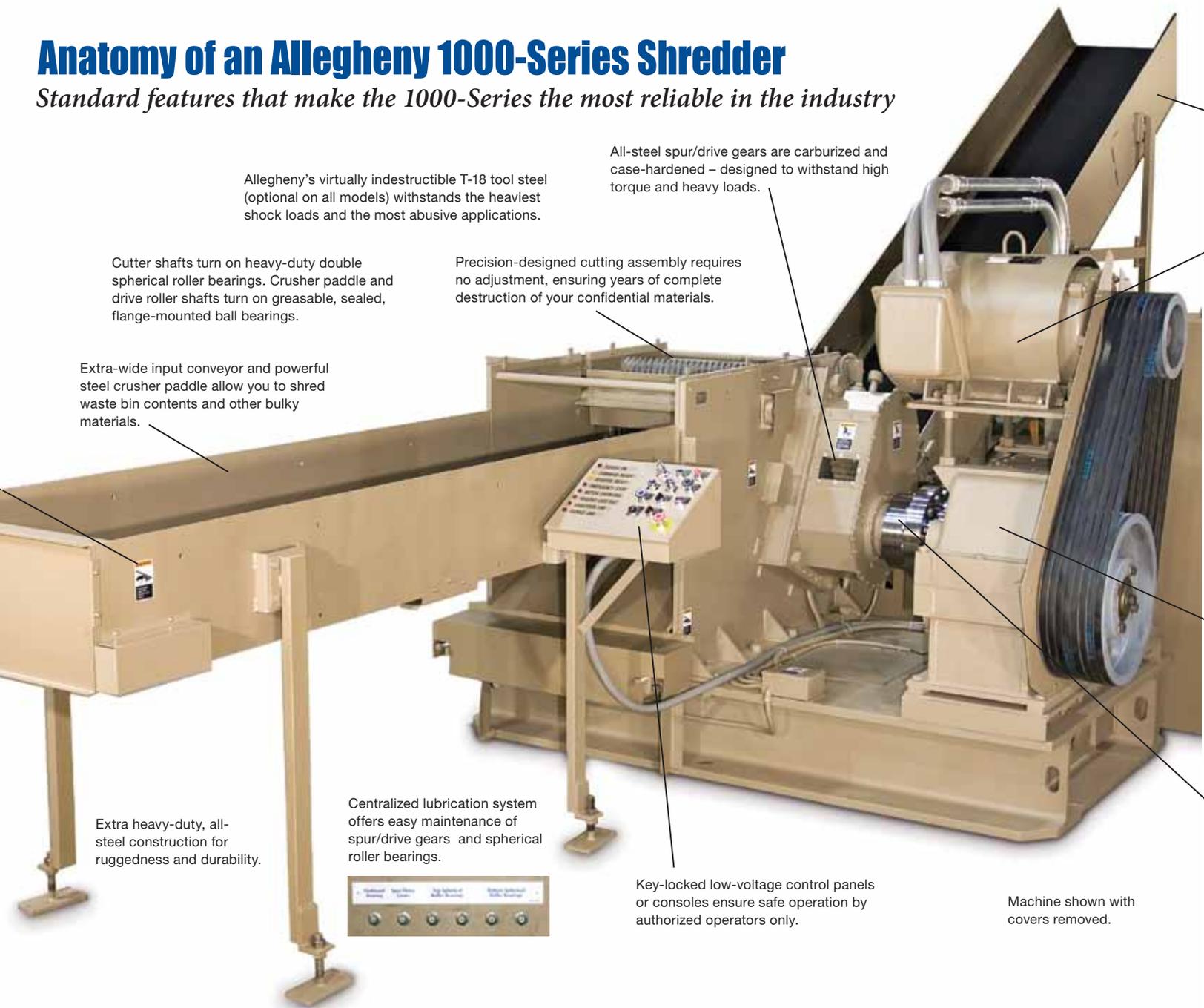
In addition, the spur/drive gears in all Allegheny 1000-Series Shredders are



1. An extra-wide input conveyor and powerful, 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 sawtooth cutters are made of A-2 tool steel or Allegheny's optional highest impact-resistant T-18 tool steel. The cutters easily shred thick stacks of paper, computer disks, microfiche, microfilm with reels, mylar sheets, 3-ring binders full of paper and even steel-belted tires!
3. Driven by a powerful Lincoln motor and base-mounted gear reducer, the 1000-series drive train provides years of trouble-free operation, even under the most demanding conditions.

Anatomy of an Allegheny 1000-Series Shredder

Standard features that make the 1000-Series the most reliable in the industry



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

All-steel spur/drive gears are carburized and case-hardened – designed to withstand high torque and heavy loads.

Cutter shafts turn on heavy-duty double spherical roller bearings. Crusher paddle and drive roller shafts turn on greasable, sealed, flange-mounted ball bearings.

Precision-designed cutting assembly requires no adjustment, ensuring years of complete destruction of your confidential materials.

Extra-wide input conveyor and powerful steel crusher paddle allow you to shred waste bin contents and other bulky materials.

Extra heavy-duty, all-steel construction for ruggedness and durability.

Centralized lubrication system offers easy maintenance of spur/drive gears and spherical roller bearings.



Key-locked low-voltage control panels or consoles ensure safe operation by authorized operators only.

Machine shown with covers removed.

MODEL	30-500C	36-1000C	36-1000C HD	48-2000C
Motor / Drive Train	50, 60, 75 or 100 Hp	75, 100, or 125 Hp	150 or 200 Hp	250 or 300 Hp
Capacity*	3-5 tons	5-7 tons	8-11 tons	12-15 tons
Input Speed (feet/meters per minute)	83/25 94/28 97/29 124/38	78/24 99/30 123/37	99/30 124/38	100/31 120/36
Feed Opening (width)	30" / 762 mm	36" / 914 mm	36" / 914 mm	48" / 1,219 mm
Cutting Assembly (width)	30" / 762 mm	36" / 914 mm	36" / 914 mm	48" / 1,219 mm
Cutting Assembly (clearance)	1 7/8" / 48 mm	2 1/8" / 54 mm	2 3/4" / 70 mm	3 1/8" / 79 mm
Cutters	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.			
Shred Width (other shred widths available)	5/8" / 16 mm	5/8" / 16 mm	5/8" / 16 mm	5/8" / 16 mm
Crusher Paddle (diameter)	12" / 305 mm	12" / 305 mm	16" / 406 mm	18" / 457 mm
Decibel Rating	72 dBA	75 dBA	75 dBA	78 dBA
Voltage	460 Volt AC, 3-phase, 60 cycle (other voltages are available)			
Dimensions (width x length)	105" x 144" 267 cm x 366 cm	126" x 166" 320 cm x 422 cm	130" x 170" 330 cm x 432 cm	150" x 188" 381 cm x 478 cm
Weight (machine)	10,700 lbs. / 4,853 kg	16,100 lbs. / 7,303 kg	24,000 lbs. / 10,886 kg	40,300 lbs. / 18,280 kg

*Listed tonnage range is based on realistic performance for that model utilizing an Allegheny Auto-Feed System. As we constantly improve our products, specifications are subject to change without notice.



Optional output conveyors are available.

Powerful Lincoln motor handles the heavy loads required for efficient high volume shredding.

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

Electrical enclosure has built-in safety disconnect.

Current-sensing relay stops machine in the event of a jam. Reversing starter allows operator to clear jam in seconds.

General Transmission gear reducer is base-mounted for highest reliability. It is completely sealed, running in oil for quiet, trouble-free operation. No lubrication or adjustments are required.

Gear reducer is directly linked to the cutting assembly by Kop-Flex coupler.

carbureted for resistance to wear and shock loads. All shafts are made of stress-relieved, high alloy, heat-treated steel to ensure maximum performance.

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 using only the highest quality American-made steel.



Skilled craftsmen

Each Allegheny shredder is built by a team of highly 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 Allegheny 1000-Series Shredders are equipped with fixed safety shields, low-voltage control panels, bolt-on covers and two-position stop buttons. International symbol-coded safety labels, along with 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 1000-Series Shredder. This includes: Tipplers; Conveyors; Auto-Feed Systems; and Horizontal Balers. Please see the back of this brochure for more information.

STRONGEST WARRANTY IN THE INDUSTRY

Allegheny 1000-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.

“Allegheny’s success begins with its people. They’re extremely ethical, knowledgeable, and helpful in many ways far beyond providing great equipment.”

– JEFF PRUNZIK
Paper Exchange

“Allegheny builds great equipment, provides exceptional service and support, and is up to date with the latest trends in the shredding industry.”

– PAUL SWENSON
Citadel Information Management

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.

“Allegheny has a wealth of information about the industry that they’re willing to share. Thanks to Allegheny, I’ve been running a very profitable shredding service for over 20 years.”

– TIM & PAULA OBERST
Ohio Mobile Shredding

Allegheny Cross-Shredding Systems

The Most Secure Destruction for High Volume Applications



“Cross-shredding produces a finer shred and generates much more throughput than single strip-cut shredding. For your money, you can’t beat an Allegheny Cross-Shredding System for capacity, security, efficiency, and long life – no other system exists that can outperform it.” – JOHN WAGNER, President, Allegheny Shredders

“We’ve vastly improved our speed, security, and total throughput capacity – by at least 50% – by upgrading to an Allegheny Cross-Shredding System. It’s practical and very cost-effective. I never want to do single strip-cut shredding again!” – TOM SIMPSON, AAA Certified Confidential Security Corporation

When you need a large volume of throughput combined with the highest level of document security, Allegheny’s Cross-Shredding™ Systems are your solution. Cross-Shredding technology, developed by Allegheny, offers the most advanced shredding capability in the industry. It utilizes an innovative



two-stage shredding process which results in a much smaller shred size than conventional strip-cut shredding. The output from a Cross-

Shredding System is comparable to a grinder’s output – but the high capacity far outweighs that of a grinder.

Cross-Shredding technology involves positioning two shredders at a 90° angle to one another. For example,

a 1000-Series Shredder with a 75 Hp. motor and a 2" shred width discharges its output onto the input conveyor that feeds into a second 1000-Series Shredder with a 100 Hp. motor producing a 5/8" shred width. This results in a highly secure output of cross-shredded pieces.

By adding a pre-shredder in front of an existing shredding system, you can more than double your capacity in most cases, while significantly increasing security due to the resulting shred size. In addition, by using the Allegheny AUTOFEED™ System that allows one operator to do the work of two or three, you will significantly decrease your labor costs.

In most cases, Allegheny can integrate a pre-shredder into your existing shredding system, providing a cost-effective solution that significantly increases

your system’s overall throughput. Using computer-aided design (CAD) technology, Allegheny technicians can provide you a detailed diagram showing the most efficient layout for your Cross-Shredding system within your facility.

Allegheny Cross-Shredding Systems are extremely efficient, quiet and produce minimal dust. Multiple shred width combinations are available. These affordable shredding systems can handle with ease whatever destruction needs your company may have. With the dramatic increase in throughput and security, Allegheny’s Cross-Shredding technology can enable contract shredding services to position themselves as the leader in secure document destruction in their geographic area.

Allegheny 1000-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 materials through the shredder, and recycle 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.



Tippers Used with a loading cart, security container, or a Gaylord box, Allegheny Tippers 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.



Conveyors Allegheny offers Sorting Conveyors, which allow several operators to separate materials by grade and type prior to shredding to maximize the value of your recycled paper. We also offer Primary Conveyors (in-floor or above-ground), Metering Conveyors (see AUTO-FEED™ Systems

below) and Output Conveyors, which allow easy transport of shredded materials into a baler or other receptacle.



AUTO-FEED™ Systems Allegheny's revolutionary AUTO-FEED™ Systems greatly increase your shredding capacity while significantly reducing your labor costs. These systems utilize a high capacity Primary Conveyor (in-floor or above-ground) coupled with a variable-speed Metering Conveyor,

assuring an even flow of paper into the shredder's cutting assembly. This unique design virtually eliminates jams and minimizes operator fatigue and strain.



Horizontal Balers Allegheny manufactures a complete line of horizontal closed-end balers and auto-tie open-end balers to increase the efficiency of your shredding operations. Allegheny balers produce dense, superior quality bales that increase your

recycling profits. Bale weights range from 800 lbs. up to 2000 lbs.

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 1000-Series Shredders, please refer to the separate brochures on our J-Series Office Paper Shredders, 16-Series Shredders, 100-Series Shredders, Security Grinders or Allegheny Horizontal Balers.



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Over 40 Years of Customer Satisfaction

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