

Allegheny Security Grinders

CAPACITY: FROM 1 TON UP TO 3 TONS PER HOUR

“Allegheny overbuilds their equipment. It’s solidly built and extremely durable. Manufacturers typically overestimate what their equipment can do – but Allegheny’s equipment does exactly what it promises, and often over-performs.”

– PAUL SWENSON
Citadel Information
Management



ALLEGHENY SECURITY GRINDERS are your solution when the highest level of destruction is required. Utilizing our proprietary single-shaft rotary design coupled with screen sizes ranging from 3/8" to 4", these powerful grinders provide secure, versatile destruction for all your needs.

Allegheny manufactures two different models of security grinders: **Model 1436GX** and **Model 1452GX**.

These high-performance grinders are designed for single-stage, ‘dump and run’ destruction of confidential documents (thick stacks of computer printouts, waste bin contents, and even 3-ring binders full of paper!); digital media (microfiche, microfilm with reels, audio/video cassettes, CDs); plastics (credit cards, ID

badges, x-rays); products (electronics, toys, electrical components); and printer’s waste (sheet, skeleton slab, signature, and butt roll waste).

Everything fed into an Allegheny Security Grinder, from documents and digital media to electronics, is destroyed into unusable and unidentifiable pieces. These machines are ideal for contract shredding services, recycling centers, financial institutions, medical facilities, government agencies and organizations which require complete destruction of their confidential materials.

The Allegheny SelecShred™

In 2005, Allegheny Shredders introduced the industry’s first single-shaft grinder with an adjustable screen. The Allegheny SelecShred™ (patent-pending)

represents a major development in the document destruction industry, giving operators the ability to service a wider variety of customers faster with just a single piece of equipment.

Companies – and even departments within the same company – differ in their security requirements. Instead of manually removing one screen and replacing it with a different-sized one to meet varying customer requirements for final shred size – a time-consuming and costly process – operators can now change the screen size of their grinders with the simple push of a button. The added flexibility provided by the Allegheny SelecShred makes document destruction faster and more convenient, while offering the highest level of security.

Rugged, Versatile, Long-lasting

When you need to destroy a wide variety of confidential materials, the last thing you want is expensive downtime. That's why Allegheny Security Grinders are designed, engineered, and manufactured to be the most reliable in the industry.

BUILT TO LAST

Allegheny Security Grinders are built for heavy, continuous use, with capacities ranging from 1 to 3 tons of material per hour.

Computer-aided design and manufacturing

Our grinders are manufactured using state-of-the-art computer-aided design (CAD) and computer-aided manufacturing (CAM) equipment – including computer-controlled lathes, turret punches, milling machines, press brakes, and laser cutting machines – to ensure precision, maximum performance and the safest possible operation for your personnel.



Unique cutting assembly

The rotary cutting assembly on all Allegheny Security Grinders utilizes individual solid steel cutting inserts. These cutting inserts are precision-ground from tool steel and heat-treated to optimum Rockwell hardness for greater resistance to damage and wear. Their unique design allows for multiple

rotations of the insert to extend its cutting life. In addition, they are easily replaceable.

Optional on all Allegheny Security Grinders are cutting inserts made of our special T-19 tool steel. Designed and milled only for Allegheny, this unique tool steel significantly extends the cutting life of the insert.



The T-19 tool steel cutting inserts can easily destroy thick stacks of paper, digital media, electronics and printer's waste. Although not recommended, these inserts can even destroy bowling balls!

Heavy-duty drive train

In our security grinders, Allegheny uses Dodge-Reliance shaft-mounted gear reducers – the most reliable in the industry. The rotor shaft is made of stress-relieved, high alloy, heat-treated steel. 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.

Skilled craftsmen

Each Allegheny Security Grinder 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

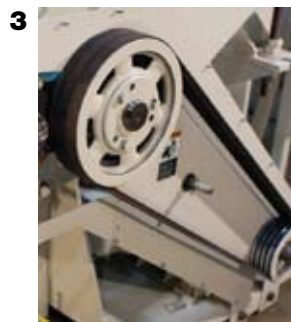
Safety is an integral part of the design of every Allegheny Security Grinder. All models are equipped with an interlocked hopper door with a viewing window, low-voltage control panels, and two-position stop buttons. International symbol-coded safety labels plus comprehensive user manuals and maintenance schedules ensure safe and reliable operation.

OPTIONAL EQUIPMENT TO MAXIMIZE PRODUCTIVITY

Allegheny provides optional equipment to enhance the productivity of your Allegheny Security Grinder. This includes Tippers, Conveyors, and Horizontal Balers. Please see the back page of this brochure for more information.

STRONGEST WARRANTY IN THE INDUSTRY

Allegheny Security Grinders and all optional equipment are backed by a **1-year warranty on parts and labor** (See Allegheny Warranty Certificate for details.). Plus, our unprecedented **10-year guaranteed trade-in policy** will save you money in upgrading to a new or larger model.



- 1 The 14" diameter rotor and programmable logic-controlled feed ram with a full contact face allow you to destroy wastebasket contents and other bulky items without having to flatten or sort them.
- 2 Durable cutting inserts are made of tool steel or Allegheny's optional T-19 tool steel for extended cutting life. The cutting inserts easily destroy stacks of documents, digital media, and even bowling balls!
- 3 Driven by a powerful Lincoln motor and Dodge-Reliance shaft-mounted gear reducer, the security grinder's drive train performs under the heaviest loads.

Anatomy of an Allegheny Security Grinder

Standard features that make Allegheny Security Grinders the most reliable in the industry

Programmable logic-controlled feed ram designed with a full-contact face and fully adjustable wear plates (no cut-out in side plates).

Large in-feed hopper accommodates 'dump and run' operation.

All-steel construction provides ruggedness and durability.

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



Anti-bridge Rotary Feed™ optimizes throughput.

Optional input and output conveyors are available.

Allegheny's special T-19 tool steel (optional on all models) significantly extends the cutting life of the insert.

Standard screen size is 2". Available also with 3/8" to 4" screen sizes. Optional on all security grinders is the Allegheny SelecShred™, the industry's first push-button adjustable screen.

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

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

Powerful Lincoln motor can handle the heavy loads required for efficient processing of materials.

Centralized lubrication system offers easy maintenance of roller bearings.

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

Allegheny Security Grinders are equipped with a current-sensing relay that automatically stops the machine in the event of a jam. As on all models, the machine will automatically reverse and restart to clear a jam in seconds.

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

Machine shown with covers removed.

All Security Grinders are equipped with unique two-position stop buttons to ensure operator safety.

MODEL	1436GX	1452GX
Motor	50 Hp	100 Hp
Capacity* (tons per hour)	1-1½	2-3
Rotor Speed (rpm)	211	214
Feed Opening (W x L)	36" x 24" 91 cm / 61 cm	52" x 36" 132 cm / 91 cm
Cutting Rotor (diameter) (length)	14" / 36 cm 36" / 91 cm	14" / 36 cm 52" / 132 cm
Cutting Inserts	1¼" x 1¼"; indexable; precision-ground from tool steel or Allegheny's special T-19 tool steel (optional on all models), heat-treated to optimum Rockwell hardness.	
Bed Knife	Precision-ground from tool steel, heat-treated to optimum Rockwell hardness.	
Feed Ram (W x H)	36" x 8" 91 cm x 20 cm	52" x 8" 132 cm x 20 cm
Ram Stroke (length)	24" / 61 cm	36" / 91 cm
Screen Size	2" standard; (3/8" to 4" screens sizes available); optional on all Security Grinders is the Allegheny SelecShred™, the industry's first push-button adjustable screen.	
Decibel Rating	84 dBA	86 dBA
Voltage	208 / 230 / 460 Volt AC, 3-phase, 60 cycle (other voltages are available)	
Dimensions (W x L x H)	64" x 88" x 92" 163 cm x 224 cm x 234 cm	92"x120"x90" 234 cm x 305 cm x 229 cm
Weight (machine/shipping)	7000 / 7000 lbs 3175 / 3175 kg	13000/ 13000 lbs 5897 / 5897 kg

*Capacities shown are based on the processing of paper. Actual capacity depends on available power supply and condition of cutting inserts.

Allegheny Complete Destruction Systems



Allegheny offers optional equipment to provide easier processing of your destroyed materials, enabling you to turn your waste into recycling dollars. We can even custom design a complete system to maximize your security grinder's productivity and reduce your labor costs.

We'll 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 destruction system within your facility.

In addition, our technicians are available to install your system and train your personnel to ensure safe, efficient operation and proper maintenance of your equipment.



Tipplers

Used with a loading cart, security container, or a Gaylord box, Allegheny Tipplers offer an efficient way to load material into the hopper of the Allegheny Security Grinder. This increases the volume of throughput to be destroyed and minimizes operator fatigue and strain.



Conveyors

Allegheny offers input conveyors for feeding material into the hopper of the security grinder as well as output conveyors for transporting destroyed materials into a baler, compactor, dumpster, or other receptacle.

Horizontal Balers

Allegheny manufactures a complete line of horizontal closed-end balers and auto-tie open-end balers to increase the efficiency of your destruction operation. Allegheny balers produce dense, superior quality bales that increase your recycling profits. Bale weights range from 800 lbs to over 2,000 lbs.



Establishing a Contract Shredding Service

Take advantage of Allegheny's more than 40 years of experience in the field of information 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 equipment 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 Security Grinders, please refer to the separate brochures on our **J-Series Office Paper Shredders**, **16-Series Shredders**, **100-Series Shredders**, **1000-Series Shredders**, or **Allegheny Horizontal Balers**.



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THE SHREDDING INDUSTRY ICON SINCE 1967

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*Over 40 Years of
Customer Satisfaction*