



Applied Machinery are exclusive Genox sales and service partners in Australia
www.genoxmachinery.com.au

Call: 03 9706 8066
Email: sales@appliedmachinery.com.au
Online: www.appliedmachinery.com.au
Showroom: 55-61 Nissan Drive, Dandenong VIC 3175

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State Of The Art Manufacturing

Our system solutions cover a wide range of recycling applications.
Genox specialize in providing customized designs for your specific recycling projects.

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ABOUT GENOX

Advanced & Economic Recycling Solutions

Genox is a combined word of "Generating Oxygen" with a meaning of creating a better environment through new and innovative technology. Both the employees and management of Genox abide by this principle and constantly pursue the most effective, reliable and cost-effective solutions for the recycling of waste materials.

Through extensive testing, seeking feedback from our valued customers and distributors, and working closely with our European engineering partners. Genox has developed an extensive range of technically advanced machinery for the processing of plastics, tires, and E-waste. Plastics shredding, granulation, and washing systems, including complete recycling plants, are the important part of the Genox product range.

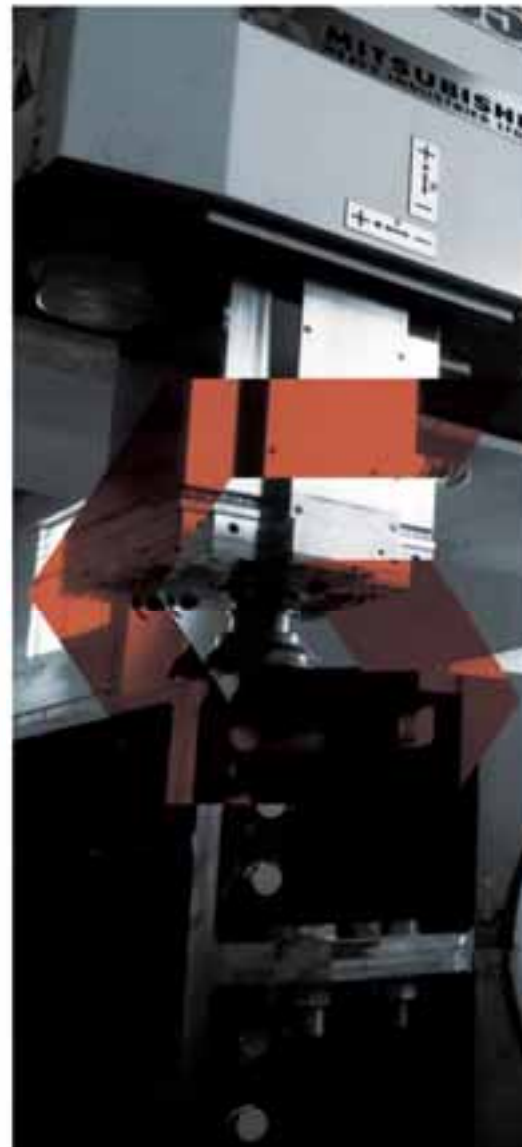
Single shaft shredders, two shaft shredders, granulators, washing tanks, dewatering centrifuges and other necessary equipment which can be customized on request allows us to offer bespoke proposals tailored to suit the requirements of each and every customer.

Typical plastics systems we produce include:

- 1.Waste Tire Recycling System
- 2.HDPE Bottle / Container Washing System
- 3.Scrap Metal Recycling System
- 4.Plastic Washing System

These plants were extensively developed and tested, and have since been well received by customers around the world. We have over time developed an extensive network of experienced business partners and distributors worldwide who regularly provide feedback on product demand and experiences from their customers.

They also hold large inventories of spare parts and standard specification equipment for quick delivery and service to their respective target markets. Besides assisting us with the development our own product range, our partner companies also support their customers with valuable advice on how best to develop, improve or refine their existing processes and/or equipment.





State of The Art Manufacturing

Core of Genox's Technology

SHREDDERS AND RECYCLING SYSTEMS

Genox's Recycling Solutions are Developed Based On The Following Principle:

Genox state of the art manufacturing and engineering facility is located in Guangzhou, Southern China, at the heart of the most developed industrial region in the Zhujiang Delta. Easily accessible from Hong Kong and most international cities via Baiyun International Airport. This excellent location provides a wealth of engineering talents and skilled labour on demand. This has enabled Genox to form a conscientious, experienced production team. Well travelled, motivated management personnel have worked hard to establish a modern manufacturing facility with working conditions similar to those normally founded in Europe and America.

We recognize that high levels of accuracy and attention to details are necessary for us to be in advantage position in the highly competitive and ever changing recycling industry. Therefore, we have invested heavily

in recent years on the purchase of precise, large capacity machining and fabrication equipments. Among them are heavy gauge plate Plasma Cutting Machines, CNC Portal 5 Axis Milling Machines and CNC Boring Machines. These modern equipments, rarely found in our competitors, allows us to produce accurate components to defined specifications, which help provide reliable performance and long service life.

Our stringent quality control system is another assurance that Genox's products are built to the approved standard. We have adopted strict quality inspection routines from our long-term manufacturing experience. Our dedicated quality control team, which is supervised directly by top level management, regularly inspects each manufacturing process to ensure that high quality manufacturing standards are maintained. All of our equipments and plants are tested under load

before leaving the factory. Whenever possible, these tests will be conducted using the same material as the end user intends to process. It is especially important when building bespoke machines and non-standard plants. We will prove the performance of the products and ensure that the quality meets customer's expectations prior to dispatch.

Minimize :

- 1.System complication and investment
- 2.System downtime and maintenance cost
- 3.Water and power consumption

Maximize :

- 1.System capacity and product quality
- 2.Machinery and wear parts service life
- 3.Automation and ease of operation

WORLD WIDE MARKETING

Advanced & Economic Recycling Solutions

Genox's dedicated service team are available when required to provide customers with a comprehensive support service including installation, commissioning, operator training, fault diagnosis, repairs and routine maintenance. Our multilingual support team and network of partner companies can accommodate enquiries from around the world. It is Genox's preference that equipment be installed by either Genox technicians or their authorised distributors and partner companies. This way we can ensure that the equipment arrives on site in the approved condition and that it is set-up and commissioned correctly to suit site conditions.

Partners / Customers

- GENOX UK / Sales and technology cooperation in U.K. covering plastic, tyre recycling.
- ROSSA / Sales agent in Russia, cooperation in plastic, tyre, and metal recycling fields.
- SYOKEN / Sales agent in Japan, cooperation in crushing and plastic washing projects.
- SICON GmbH / Famous recycling engineering company in GM. cooperation in plastic, tyre, and metal recycling fields.
- LESSO / Pipe shredding projects.
- KING FA / Cooperation in plastic crushing projects.
- MBAPC / Cooperation in plastic recycling and white goods recycling projects.
- APPLIED MACHINERY / Sales agent in Australia, cooperation in plastic & MSW recycling projects.



Shredders

BH Series

BH Series Single Shaft Shredders are heavy duty, reduction machines specifically designed for shredding a wide variety of untreated waste material streams down into either coarse or medium sized fractions. The powerful, wear resistant machine structure is well suited to demanding recycling tasks.

V Series

V Series Single Shaft Shredders are small - medium size reduction machines suitable for processing a wide range of materials to a uniform particle size. The output products created can often be sold as is, or be sent for further processing through additional equipment (granulators briquetters etc).

K Series

K Series Single Shaft Shredders are heavy duty machines suitable for processing a wide range of materials. This range of shredders are ideal for the size reduction of flexible and/or medium hardness, voluminous products often loaded in bales.

M Series

Low speed, high torque operation minimizes noise and power consumption – whilst achieving high throughput rates. These machines are particularly suited to the size reduction of bulky or voluminous materials which could include contamination such as metals or stones.

X Series

X Series Twin Shaft Shredders are extremely high torque, high throughput, rotating shear type size reduction machines often used for pre-shredding of large volume or high strength materials which may contain contamination. The unique modular split chamber design, provides excellent access to key components therefore reducing maintenance downtime and service costs. This is a huge advantage when comparing machines of this size.

W Series

W series two shaft shredder is widely used in medium, low speed high torque of crushing equipment. With the unique design of rotor and cut chamber, the rotor knives and the counter knives cut materials perfectly so that can not only cut materials evenly but also reduce the dust of the raw materials reasonable. It can reduce the wear of knives and screen.



Shredders

GC Series

GC Series Granulators are high speed granulation machines designed especially for the efficient size reduction of various materials in a single pass. These machines are ideal for processing a multitude of materials including plastics, rubber, fibres, copper cable and light non-ferrous metals amongst others.

GXC Series

GXC Series Heavy Duty Granulators with power ratings of 55kw to 315kw are designed for high throughput processing. With a variety of rotor configurations available, these granulators have a wide range of applications including: hollow and voluminous materials (i.e. plastic drums, crates and chairs), flexible materials such as films, woven bags and rubber, tougher materials such as profiles, thick sheets, and other general plastics.

GMC Series

GMC Series granulators are designed mainly for crushing soft and flexible plastic material. The strong casing and robust crushing blade design are ideal for wash line integration. GMC granulator is typically put in the wash line for PE film and PP woven bag shredding. Throughputs range between 500-1000kg/hr, drive powers range 55kw-90kw.

YS Series

YS series pre-shredders are designed for processing high strength and tough materials with high levels of contamination. The machine reduces compressed and baled material into uniform size pieces in a single pass. Film type materials are opened up to enable effective cleaning and drying.

Z Series

Z Series Vertical Shredders are mostly recommended for applications processing pre-shredded metal scrap from twin shaft shredding systems. These machines aggressively size reduce and densify pre-shredded material whilst liberating the various different fractions, allowing for better separations and reduced transportation costs.

J Series

J Series Shredder is design to process plastic pipe or plastic profile with 6-meter-long, 1200mm diameter. Four shaft shredding design is a leading technology in the world and an initiative origination from China. With best cutting rotor assignment, the fours shafts form the best cutting angle. The feeding system is equipped with multilevel hydraulic cylinder, powered and control by efficient, stable and automatic control system.



Waste Tire Recycling System



HDPE Bottle / Container Washing System



Scrap Metal Recycling System



Plastic Washing System

