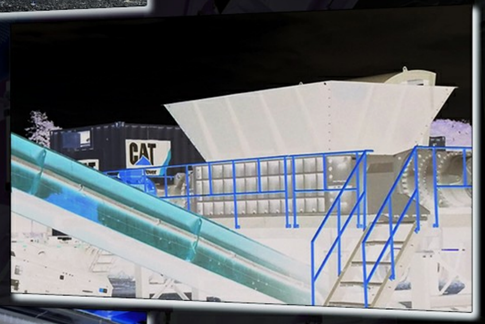
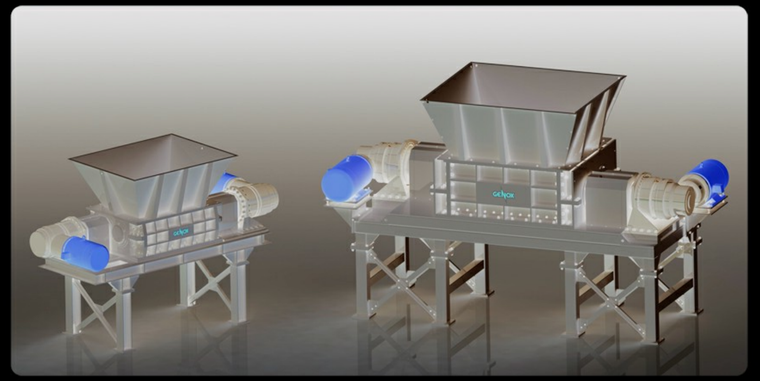
TECHNICAL DATA





Data \ Model	X1300	X1600
Dimensions L / W / H (mm)	4,900 x 2,200 x 2,600	5,200 x 2,210 x 2,600
Chamber Size (mm)	1,300 x 878	1,600 x 878
Discharge Height (mm)	950	950
Cutting Circle (mm)	Φ 514	Φ 514
Rotation Speed (rpm)	7.5 ~ 14.5	7.5 ~ 14.5
Number of Blades (pcs)	26	32
Blades Thickness (mm)	50	50
Drive Power (kW)	37 + 37	45 + 45
Hopper Volume (litres)	1,700	2,000
Approximate Weight (kg)	11,000	14,500

Data \ Model	X1500	X1800
Dimensions L / W / H (mm)	6,400 x 2,400 x 4,000	7,000 x 3,100 x 4,000
Chamber Size (mm)	1,500 x 1,440	1,800 x 1,440
Discharge Height (mm)	1,400	1,400
Cutting Circle (mm)	Φ 750	Φ 750
Rotation Speed (rpm)	5.5 ~ 10	5.5 ~ 10
Number of Blades (pcs)	30 / 20	36 / 24
Blades Thickness (mm)	50 / 75	50 / 75
Drive Power (kW)	2 x 55 ~ 2 x 90	2 x 75 ~ 2 x 110
Hopper Volume (litres)	3,600	4,000
Approximate Weight (kg)	29,400	34,000

Please Note: Technical data provided is indicative only and may be subject to change without notice

GENOX shredding recycling
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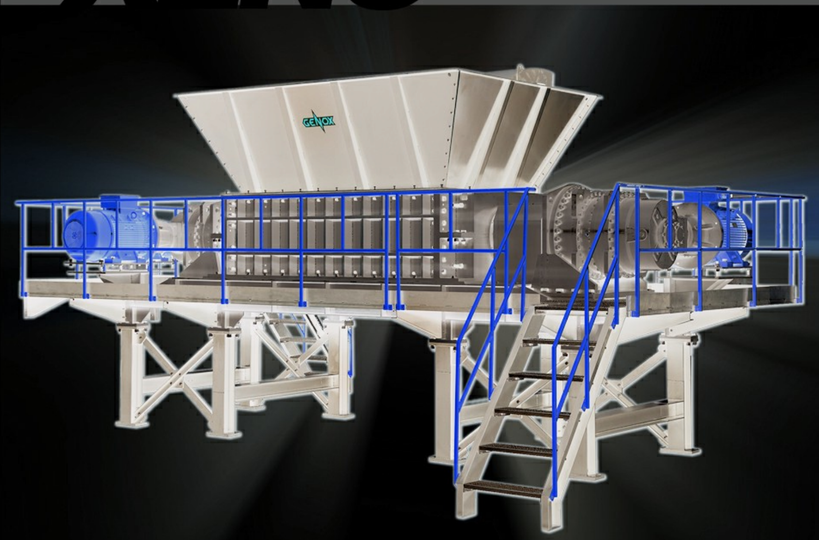
GENOX shredding recycling

XENO



X SERIES
TWIN SHAFT SHREDDERS

www.genoxtech.com

APPLICATIONS

X Series Twin Shaft Shredders are large, heavy duty, rotary shears equipped with powerful drive motors and high torque gearboxes. These robust machines are the ideal pre-shredder when deployed processing large volumes of various waste materials.

Options:

- Drive Motor Power & Gearing - Configurable
- Hydraulic Force Feeder
- Hydraulic Drive
- Rotary Screens are available

Typical applications include:

MSW / C&I Waste	Metal Scrap	Profiles	Aluminum Castings
Drums	Bulky Plastic Mouldings	Security Destruction	Electronic Scrap (WEEE)
Tyres & Rubber	Paper Industry Waste	Wood / Timber Waste	E.L.V.'s

DESIGN & FEATURES

Segmented Blades

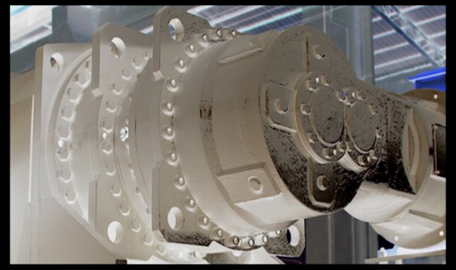
The segmented blade design can greatly reduce the blade changing time and cost. The blade comprises of the blade holder, and two types of blade segments, with and without hooks.
Worn blade segments can quickly and easily be removed and replaced by simply removing the securing screws. As the blade holders need not be removed from the shafts, simplified maintenance and reduced downtime results.
Various blade configurations, hook profiles and widths can be specified to enhance performance.

Splined Drive Shafts

Hexagonal shafts are still considered by many to be an effective design, and were it not for the wear and maintenance problems caused by loose blades rocking on the shafts, particularly in demanding applications with frequent reversals, they would still be preferred by many users.
GENOX have resolved theses issues caused by loose blades with our splined shaft design, which securely locks blades and spacers on the drive shafts, eliminating blade rock and prolonging shaft life. We now offer both splined and hexagonal shafts arrangements to suit specific applications.

Maintenance Friendly Design

The shredding chamber can be disconnected from each of the gearboxes by disconnecting the drive couplings. By removing the upper halves of the split bearing end plates the shafts can easily be removed from above the chamber, leaving the drive units in situ.
With the shafts removed, blades and bearings can be inspected, removed or replaced away from the main machine frame providing a safer working environment for maintenance personel.



Heavy Duty Gearboxes

It is proven that direct drive gearboxes deliver more useable power than indirect equivalents.
GENOX X-Series shredder gearboxes are splined directly onto the main drive shafts, amplifying torque, reducing power consumption, and allowing greater flexibility of applications.
The heavy duty, inline drive assembly is simple to maintain and extremely robust in operation.
Removal of the gearboxes for inspection, maintenance and / or overhaul when required is quick and easy requiring only basic tooling.

Hydraulic Force Feeder

A hydraulic force feeder is available to actively press the input material down into the cutting zone between the two shearing shafts.
This holding action prevents material from riding over the blade hooks, thus greatly improving the cutting efficiency and throughput of the machine.
The thoughtful, modular design of the feeder and associated hydraulic power unit provides unhindered access during maintenance, simplifying routine hydraulic oil changes and other maintenance tasks.

Electrical Control Panel

The stand alone electical cabinet is designed to provide automated machine control. A "Touch Screen" operator interface can be incorporated to provide easy access for programming, maintenance, and inspection.
Motor soft starting and variable frequency drives (VFD's) are available to reduce current spikes during startup and reversals, and provide a more versatile machine. Quality readily available Siemens PLC's and Schneider components are used throughout.