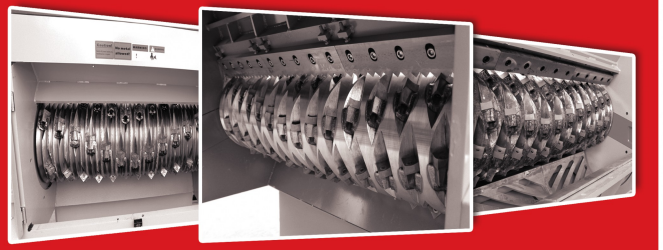
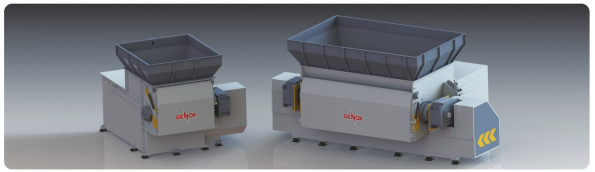
TECHNICAL DATA





Model	BH1500	BH2000	BH1700	BH2200
Dimensions L / W / H (mm)	3,700 x 2,880 x 2,530	3,700 x 4,150 x 2,530	4,100 x 3,100 x 2,750	4,100 x 4,560 x 2,750
Hopper Inlet (mm)	1,400 x 1,500	1,400 x 2,000	1,970 x 1,650	1,970 x 2,200
Discharge Height (mm)	720	720	630	630
Ram Travel（mm）	1,100	1,100	1,100	1,100
Rotor Diameter（mm）	Ø 480		Ø 650	
Rotor Operation Length（mm）	1,500	2,000	1,650	2,200
Rotor Speed（rpm）	80	80	80	80
Screen（mm）	Ø 40	Ø 40	Ø 40	Ø 40
Rotor Knives（pcs）	84 + 6	95 + 6	78 + 6	105 + 6
Counter Knives（pcs）	3 + 3	4 + 4	3 + 3	4 + 4
Drive Power（kW）	90	55 + 55	132	90 + 90
Hydraulic Power（kW）	7.5	11	7.5	15
Hopper Volume（litres）	3,850	5,027	5,610	7,110
Approximate Weight（kg）	11,100	14,460	12,800	17,000

Model	BH2800	BH1800	BH2400	BH3000
Dimensions L / W / H (mm)	4,100 x 5,100 x 2,750	4,000 x 4,100 x 2,850	4,000 x 4,700 x 2850	4,000 x 5,400 x 2,850
Hopper Inlet (mm)	1,970 x 3,200	2,300 x 2,100	2,300 x 2,800	2,300 x 3,400
Discharge Height (mm)	630	630	630	630
Ram Travel（mm）	1,100	1,100	1,100	1,100
Rotor Diameter（mm）	Ø 650	Ø 800		
Rotor Operation Length（mm）	2,750	1,800	2,400	3,000
Rotor Speed（rpm）	80	80	80	80
Screen（mm）	Ø 40	Ø 40	Ø 40	Ø 40
Rotor Knives（pcs）	118 + 6	105 + 6	124 + 6	156 + 6
Counter Knives（pcs）	5 + 5	3 + 3	4 + 4	5 + 5
Drive Power（kW）	110 + 110	90 + 90	132 + 132	160 + 160
Hydraulic Power（kW）	15	11	15	15
Hopper Volume（litres）	8,000	7,500	7,400	9,100
Approximate Weight（kg）	21,000	16,000	20,000	27,000

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

GENOX U.S.A. (A DIVISION OF SOUTHEAST MACHINERY CO. INC.)
2061 NW 18th Street, Crystal River, FL ZIP 34428
Locations also in Indiana and Texas

Tel: +1-724-960-1146
Web: www.genoxusa.com
Email: sales@genoxusa.com

GENOX shredding recycling

BH - SERIES

HEAVY DUTY SINGLE SHAFT SHREDDERS

www.genoxusa.com

APPLICATIONS

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.

- Municipal Waste *(MSW)*
- Industrial Waste *(C&I)*
- Beverage Cans *(UBC's)*
- Wood Waste *(Pallets etc.)*
- Plastics *(Pipes etc.)*
- Bulky Items *(Mouldings etc.)*
- Demoliition Waste *(C&D)*
- Paper *(Security Destruction)*
- Alternative Fuels *(SRF & RDF)*

DESIGN & FEATURES

1 High Performance Rotor

- V-Cutting Rotor Design -- *with staggered cutter positioning*
- Heat Treated Rotor Knives -- *special DC53 steel (hardened) four edges use before replacement*
- Long Life, Adjustable Counter Knives -- *cutter clearance can be maintained*
- Wear Resistant Rotor (Optional) -- *tungsten surface coating for abrasive applications*

2 Classifier Screen

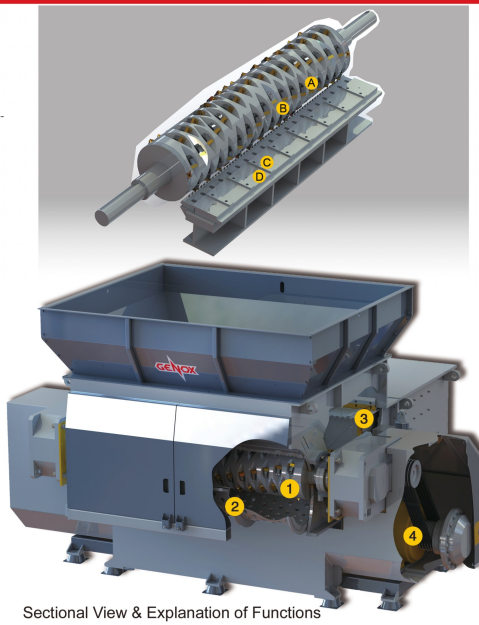
- Quick Change Screens -- *accurate particle size control*
- Access Door Limit Switch -- *ensures safety of personnel*
- Assisted Screen Opening -- *for easier access*
- Various Screen Designs -- *specially developed screens for flexible materials such as films*

3 Force Feeding Ram

- Segmented Shredding Chamber Floor -- *precision machined chamber base with adjustable/replaceable brass guides*
- Ram Bypass Discharge Chute -- *material that passes by the ram seals is automatically discharged to a single collection point, protecting the rear mounted hydraulic power pack from dust & debris*

4 Drive System

- Powerful Electric Drive Motors -- *configured for Star/Delta starting*
- Heavy Duty, Oversized Gearboxes -- *mounted directly on the rotor shaft*
- Shock Absorbtion System -- *reduces stress on drive components*
- Fluid Drive Coupling(s) -- *improved performance and reduced current during start-up & reversals*

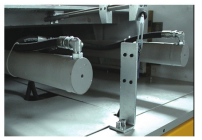


Sectional View & Explanation of Functions

The force feeding ram (3) pressurized by the hydraulic unit (5), forces the material to be processed against the rotor shaft (1) which is powered by the drive system (4).
The rotor is equipped with multiple knife inserts (A), screwed into the knife supports (B). These rotating knives shred the material against the counter knives (C) as the rotor turns. Clearance between the rotor knives and counter knives can be maintained by loosening the counter knife fixing bolts and adjusting the position of the counter knife support screws (D). The shredded fractions, when small enough, fall through the classifier screen (2). Output product size is determined by the size of the holes in the classifer screens

Bearings

- High Quality, Oversized Shaft Bearings -- *spherical bearings mounted outboard from the cutting chamber to prevent product migration through the grease seals*
- Integral Machined Bearing Housing -- *ensures reliability and longevity of the bearings*
- Rotor Shaft Cooling (Optional) -- *water cooling of the rotor shaft through the bearing housing is possible*



Hydraulic Power Unit

- Dual Speed Hydraulics -- *adjustable forward speed, and fast retraction of the force feeding ram to maximize machine throughput*
- Integrated Oil / Air Blast Cooler -- *maintains the hydraulic oil temperature for continuous operation and prolonged service life*
- Isolation Cover (Optional) -- *prevents build up of dust and debris on system components to ensure effective cooling*

Hydraulic Opening Design

- Hydraulic Powered Front Access Door -- *on request BH Series machines can be equipped with a hydraulic opening front access and screen supporting door. The single piece supporting door design provides quick and easy access to the classifier screen and blades during machine clean downs, and during maintenance*

Electrical Control Panel

- Stand Alone Control Cabinet -- *incorporating Siemens PLC controller with integrated display, and readily available Schneider & ABB components*
- Dual Mode Operation -- *"Manual" & "Automatic" modes for rotor motion and force feeding ram direction control*
- Intelligent Programming -- *auto-reverse during overload scenarios & auto-shutdown when ran idle for prolonged periods*