

VST-42e

Mobile Shredding System

Vecoplan®



Mobile Shredding Systems

VST-42e

The Vecoplan VAZ 800 XL Rotary Shredder is designed especially for size reduction of difficult industrial materials such as plastics, dunnage, wood scrap, medical waste, municipal waste, furniture parts, pallets, cardboard and paper.

Vecoplan Mobile Document & Product Destruction Systems

A True Dual-Duty Shredding System

This advanced electric shredding system is designed for high throughput and dual-use service - on-site mobile and plant based stationary. While deployed in the mobile mode, equipment power is generated through a proprietary, compact PTO-driven generator component, thus eliminating the need for a central hydraulic power system.

Vecoplan's unique, patented **QuickLink™** "Plug and Play" Docking Technology option also allows use as a stationary system when docked at, or in, your plant or purge site by shutting off the truck engine and plugging into 3-phase industrial plant power. At current energy and fuel prices, use in the stationary mode costs about 1/2 to 1/4 as much as operating with diesel.

This environmentally-friendly electric system operates efficiently and quietly without fear of hydraulic spills and conserves fuel and energy in the process.



- EACH VECOPLAN SHREDDING VEHICLE includes the famous VECOPLAN Single-Shaft Paper Shredder, the versatile advancement in destruction that cross-shreds in one machine which can **change shred size in about ten minutes** via an easy-change screen and shreds everything from documents to bowling balls in a "dump and run" fashion.
- LOW SPEED, LOW NOISE operation eliminates the risk of sparks, and you won't get complaints of noise or dust pollution when driving up to your most discerning accounts.
- CAB ERGONOMICS and engine power are specifically suited for mobile document and product shredding. Many standard features with available options; back-up camera, payload camera, video recording, etc. — you pick and choose.
- BODY CONSTRUCTED of space-age material that is both lightweight and stronger than steel. Securely designed and with room for extra bins.
- HIGHEST SHREDDING EFFICIENCY and payload capacity of any other 33,000 GVWR shredding vehicle.
- LATEST DESIGN in bin loading. The **Lock 'n' Load™** Bin Lifter System developed jointly by VECOPLAN and BPI® and the **EasyAccess™** Loading Enclosure lifts and dumps at curb level without dust or safety issues. The **SureTrac™** Gliding Floor payload discharge system makes discharging quick and safe. These developments allow for automatic loading, shredding, compaction and discharge, effortlessly with no manual intervention.
- SINGLE-STATION, graphic touch screen control console for operation and monitoring of process functions.
- ABSOLUTELY THE MOST comprehensive and longest warranties in the industry.

Versatile

ULTIMATE VERSATILITY - one machine processes large rolls, hard drives, CDs, video tapes, uniforms, textiles, clothing, binders, reels, etc.

LOW SPEED, LOW NOISE ram fed cutting rotor.

SECURE HOPPER for batch or conveyor feed and large dimension feedstock.

Flexible

CHANGE SHRED SIZE in about 10 minutes.

CHANGE PROGRAM SETTINGS on the fly with Vecoplan's TaskMaster™ Application Management System which automatically optimizes the shredding process for a wide range of materials.

Reliable

JAM-FREE OPERATION.

HIGHEST THROUGHPUT per horsepower.

GRAPHIC TOUCH SCREEN CONTROL for operation of all process functions.



Advantages of Vecoplan Secure Document Destruction

MEMORANDUM FOR DIRECTOR OF EMPLOYMENT - FEDERAL AGENCY 00244									
Employee Name John Smith					Employee Number 002 10600				
Earnings	Hours	Amount	Y-T-D	Deductions	Amount	Y-T-D			
REGULAR	80.00	800.00	5140.00	FEDERAL W/R	79.24	351.23			
LIFE INS			26.00	STATE W/R	7.92	38.89			
				SOC SEC	49.60	108.34			
				MEDICARE	11.60	72.49			
				401K	40.00	221.00			
				ROSE GARNISH	80.00	442.00			
				P.L.C.	.00	2.50			
				LIFE INS	.00	26.00			
				SDT	.40	7.20			
TOTAL	80.00	800.00	5160.00	TOTAL	268.76	1465.35			
Social Security Num 354-65-2354				Pay Period 03/31/00	Chk No 010600		Net Pay 531.24		

Social Security Num
354-65-2354

Pay Period
03/31/00

Chk No
010600

Five Hundred Thirty One Dollars & Twenty Four Cents

DATE
03/31/00

AMOUNT
*****531.24

TO THE
FACILITY

John Smith
6009 Cantymere/romhere Street
Wichita, KS 67202
0010600 31097288 62773

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REGULAR	80.00	800.00	5160.00	FEDERAL W/R	79.24	351.23
LIFE INS			26.00	STATE W/R	7.92	38.89
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Example of Strip Shred

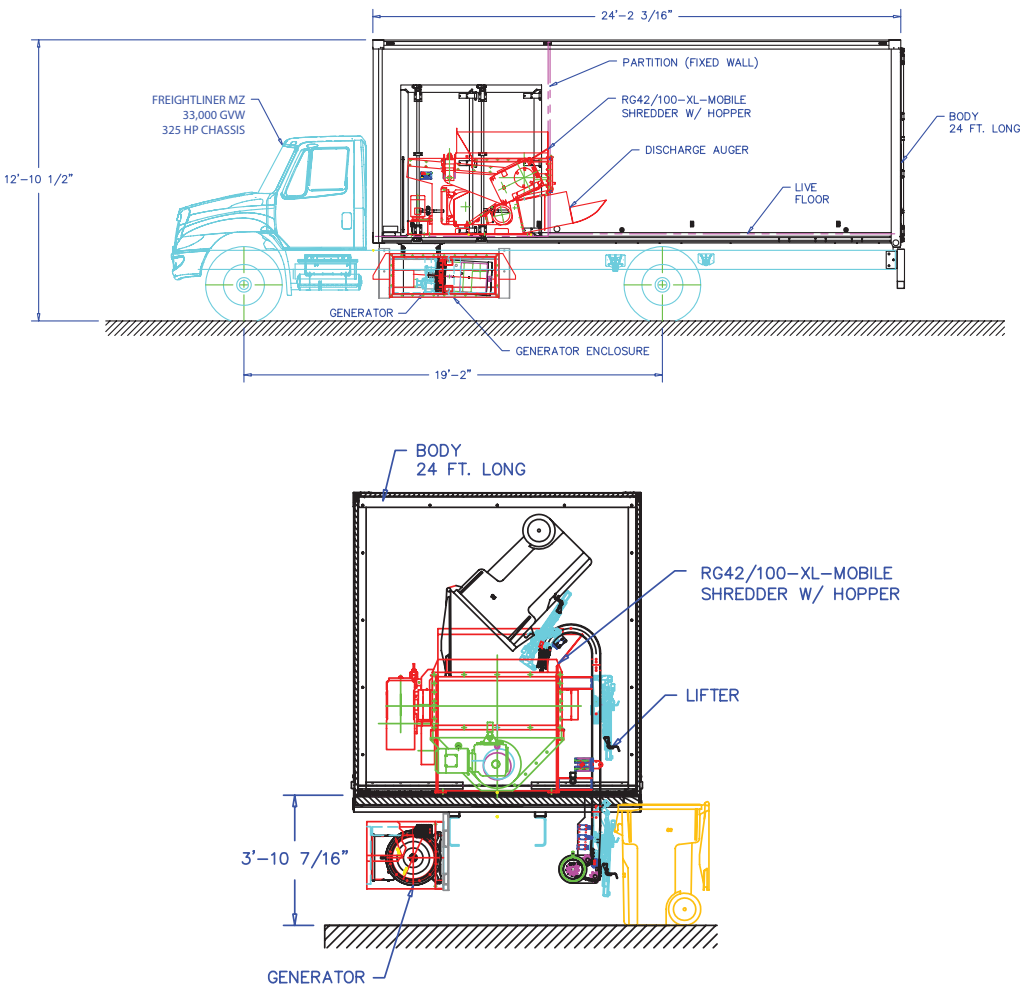
Example of Vecoplan Shred

Vecoplan's secure Dump-And-Run method offers a solution that is more secure than cross shredding in a single pass. Because the discharge is screened, there is no possibility of documents escaping the shredding process. This method cross-shreds in one pass with variable and consistent shred size through interchangeable screens. Large, bulky binders with metal rings, entire security and recycling containers, etc. can simply be dumped into the hopper without any material preparation.

Vecoplan VST-42e Specs

The Body

VECOPLAN utilizes the latest, most advanced lightweight materials in the fabrication of its custom, DOT-certified bodies which houses the loading, shredding, payload and discharge equipment. Superior strength, puncture resistance and minimal weight qualities of the space-age composite panel body allows for increased payload capacity. Low-friction interior prevents payload discharge jams. Exclusive **Lock 'n Load™** integral “Lift and Dump” bin lifter designed by BPI® and the **EasyAccess®** hinged composite door allow for hassle-free, dust-free, curb-level bin loading. The seamless interface PTO / Electric Power Generation System is sized and fine tuned for most efficient operation of the entire processing system. Shredder-to-payload discharge and compaction occurs via a rugged, oversized helical conveyor. Proprietary **SureTrac™** “live” gliding floor unloader discharges the payload quickly and effortlessly. A secure bulkhead separates the shredder compartment from the payload area, complete with exhaust fan. HMI master control panel comprised of a single station, graphic touch screen console for operation and monitoring of all process functions. Control panel includes event log. Body includes a double door into the shredding compartment opposite bin lifter and a viewing window into payload compartment.



VIEW B-B



Body Design and Construction	Proprietary, custom lightweight construction with high-strength qualities superior to steel and low friction interior. DOT certified. High security enclosures, view port, man-door and additional storage included. Gelcoat finish.
Universal Cart Lifting Device	Fully automatic enclosed “Lift and Dump” design compatible with American (ANSI) and European (DIN/ISO) bin standards.
Feed Enclosure	Hinged composite door with lock covering an inset loading chamber.
Power Generation/Drive	Continuous-Duty PTO with interface to a compact 180kVA generator package.
Shredder Discharge/ Payload Compaction	16” diameter, custom, rugged, high-torque helical conveyor.
Payload Compartment	16’L, 1,200 cu. ft. (8,000 - 10,000 lbs.) of useable storage.
Payload Discharge Device	Proprietary, “live” gliding floor “walks” material from payload compartment. Composite “slats”. Remote Payload Discharge switch.
Controls	Lockable Single-station HMI graphic touch screen with peripheral electronic, 24V DC supply, integrated electrical wiring package, Allen-Bradley PLC, secure enclosure with sun shade. Curb level operation.
Security Features	Lockable security enclosures and entry into body and cab, shredding compartment camera system, smoke detector.
Payload	8,000 lbs.

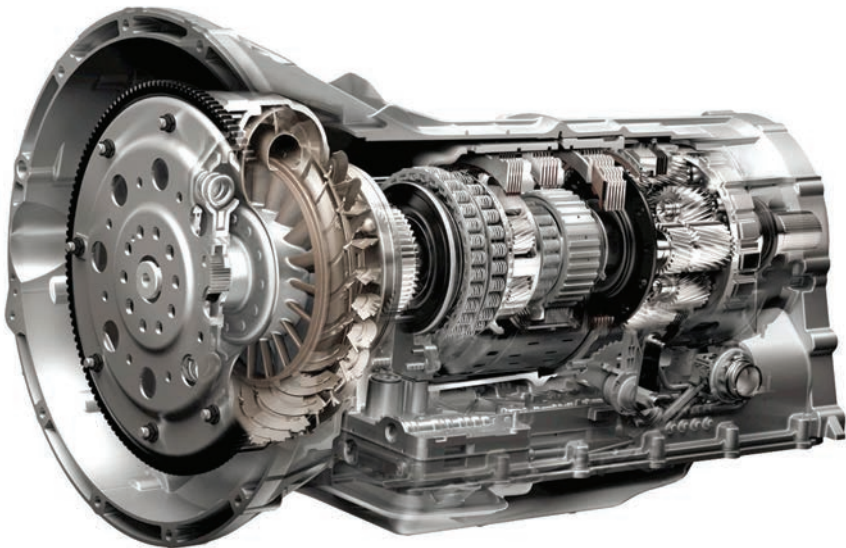
Vecoplan VST-42e Specs

Extreme Duty Chassis

The Chassis

Vecoplan shredding vehicles chassis deliver leaner service schedules and a stronger, lighter frame rail system that can carry heavier loads. Greater durability and maximum uptime is all about helping drivers and work crews be more efficient. It's all part of the greater durability and maximum uptime that makes the VST-42e one of your smartest allies on the road to profit.

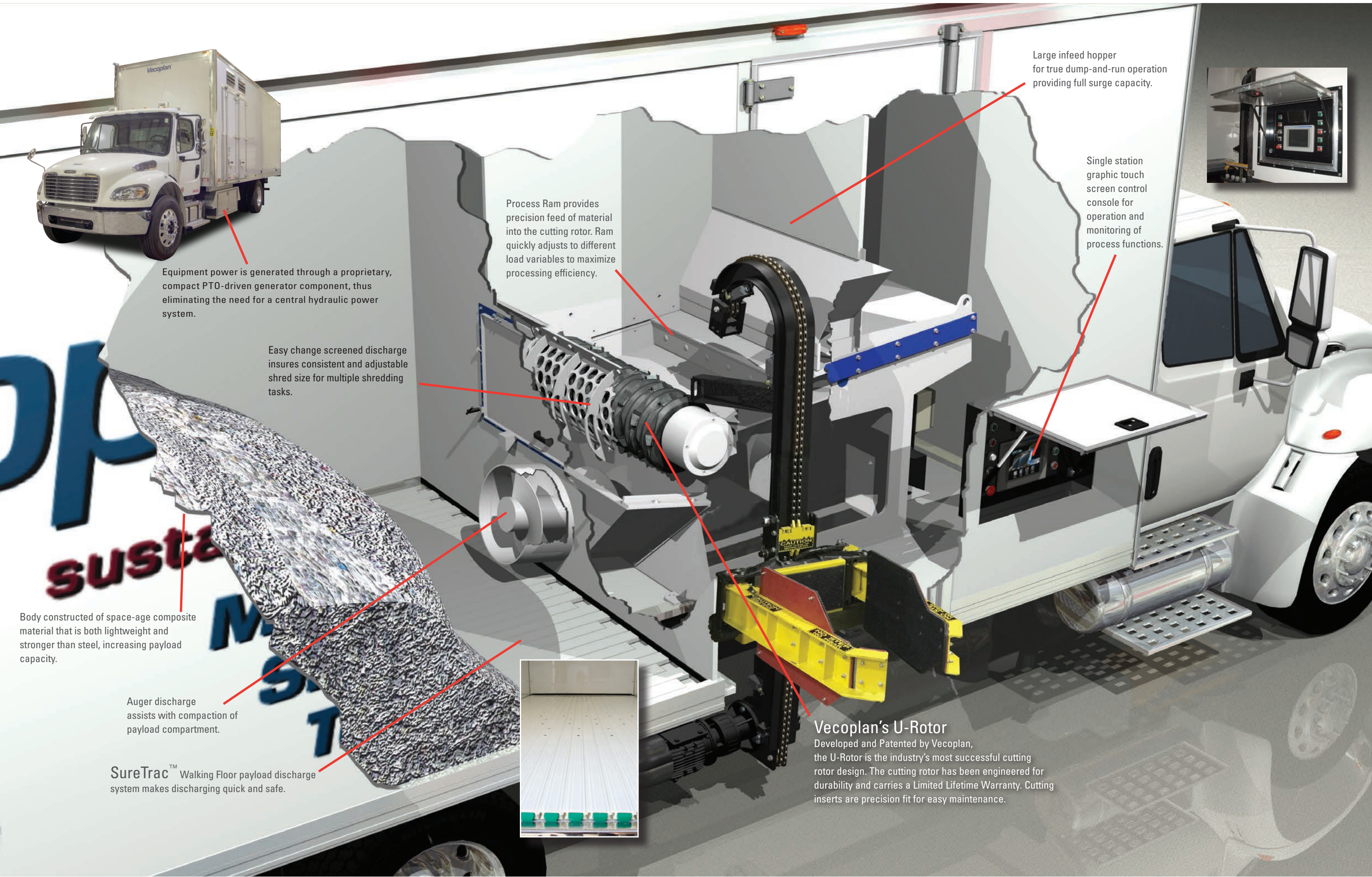
Designed and built to serve the needs of the owner, driver and maintainer, and at the same time maximize the bottom line of your business. The Vecoplan VST-42e delivers unsurpassed uptime, unmatched reliability, low operating costs and high resale value.



- The swept-back angle and curved design of the windshield and the sloped hood offer a commanding view of the road with outstanding peripheral vision.
- World-class fit and finish and improved insulation ensure an exceptionally quiet driver environment.
- The spacious cab offers more shoulder room, headroom and torso room to keep drivers of all sizes comfortable.
- The ergonomically designed interior offers high-back seats with integrated headrests, easy-to-read gauges and easy-to-use controls.
- Standard top-quality seats with dual armrests. Choose cloth or vinyl seat facings. All deluxe interiors feature a grey base color.
- The standard overhead console provides ample storage and convenience.
- Wide door openings and easy-to-grasp interior door handles make entry and egress smooth and easy for greater driver satisfaction and productivity.
- Allison Transmission™ delivers smoother shifts and increased responsiveness, reliability and fuel economy.
- The best-in-class HVAC system provides ample air-conditioning, heating and defrosting flow. Electronic controls make operation easier and provide precise comfort control.



Mission	Calculated GVWR: 33,000
Dimensions	Wheelbase: 230", Cab to Axle: 162.9", Axle to Frame: 128"
Engine, Diesel	(Cummins 6.7L) ISB 325 HP @ 2300 RPM, 750 lb./ft. Torque @ 1800 RPM, 2600 RPM Governed Speed, 325 Peak HP (Max.). Engine block heater, Phillips, 120 Volt/750 Watt.
Transmission, Automatic	ALLISON 3000 RDS Series On-Off, 6-speed
Axle, Front, I-Beam	(Meritor MFS-13-122A) 13,200-lb Capacity Non-Driving
Axle, Rear, Single	(Meritor MS-21-14X-3DLF) Single Reduction with 190 wheel ends, 21,000-lb Capacity, Gear Ratio: 5.57
Cab	Heat Treated Alloy Steel, Manual front windows with light tint, Cloth Headliner, Vinyl/Rubber Floor Covering, Coat Hooks Located on Right and Left Side, Cruise Control with Steering Wheel Controls, (2) 12V DC Power Outlets, Ashtray, Front Lighter Element(s) Location, Interior Lights Include Dome Light with Delay, Sun Visors.
Fuel Tank	Top Draw; D Style, Steel, 16" Deep, 50 U.S. Gal., 189 L Capacity, Mounted Left Side, Under Cab.
Rear Suspension	Air Ride Suspension, 9.25" Ride Height , Dual Height With Air Suspension Leveling Valves, Includes Rear Shock Absorbers.
Brake System	Air Brake ABS (Bendix AntiLock Brake System) with Air Dryer.
Exhaust System	Single, Horizontal, Diesel Particulate Filter Assembly; Frame Mounted Right Side Under Cab. Single Horizontal, SCR Assembly, Frame Mounted Right Side Under Cab, Includes Vertical Tail Pipe and Guard.



Large infeed hopper for true dump-and-run operation providing full surge capacity.

Single station graphic touch screen control console for operation and monitoring of process functions.

Process Ram provides precision feed of material into the cutting rotor. Ram quickly adjusts to different load variables to maximize processing efficiency.

Easy change screened discharge insures consistent and adjustable shred size for multiple shredding tasks.

Equipment power is generated through a proprietary, compact PTO-driven generator component, thus eliminating the need for a central hydraulic power system.

Body constructed of space-age composite material that is both lightweight and stronger than steel, increasing payload capacity.

Auger discharge assists with compaction of payload compartment.

SureTrac™ Walking Floor payload discharge system makes discharging quick and safe.

Vecoplan's U-Rotor
Developed and Patented by Vecoplan, the U-Rotor is the industry's most successful cutting rotor design. The cutting rotor has been engineered for durability and carries a Limited Lifetime Warranty. Cutting inserts are precision fit for easy maintenance.



Vecoplan VST-42e Shredder Specs

Vecoplan VAZ 1100-XL Mobile Shredder



The Shredder

VECOPLAN VAZ 1100-XL Mobile Single-Shaft Rotary Shredder with high-torque, auto-reversing (Low Speed, Low Noise) **TorsionPoint™** cutting rotor and precision ProcessRam™ integral feed ram provides for high shredding efficiency, shock load and impact protection and compact, mobile configuration. Specifically designed for shredding batches of confidential documents and products to a particle size superior to most strip shredding systems, hammer mills and pierce-and-tear shredders (Particle consistency far superior to conventional shredders for security, bale-ability and fiber quality). Entire on-board processing system, including shredder rotor, feed ram, and all auxiliaries powered by advanced, State-of-the-Art PTO & compact 180kVA Power Generation and Control System.

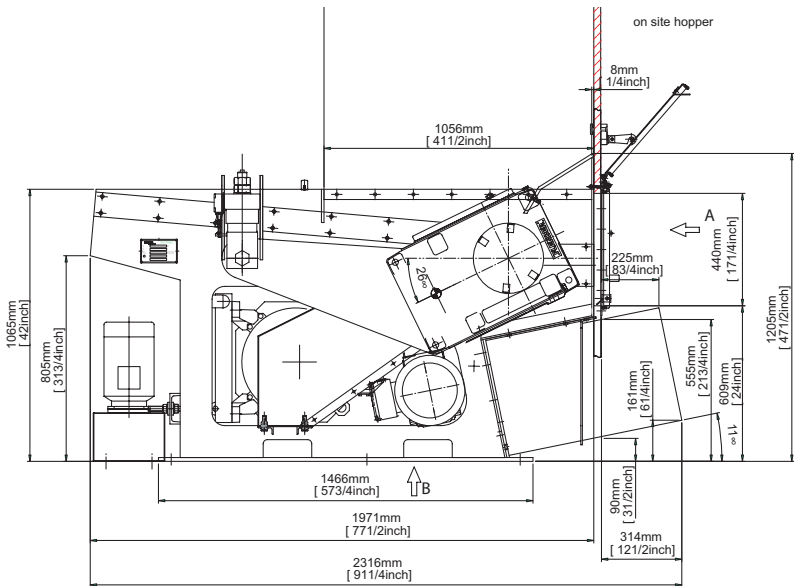
Shredder Infeed Opening	42" x 41"
Infeed Hopper Capacity	Customized to receive up to 2 bins from bin lifter, dependent on bin size & fill level
Cutting Rotor Length	42"
Rotor Diameter	15"
Rotor Speed	200 rpm
Cutting Inserts	(48) 40mm x 40mm Standard "Concave" -type
Feed Ram	5" x 42", hydraulically controlled with precision guidance system and spring loaded seal
Throughput	Up To 7,000 lbs/hr.

Features

- Low Speed / High Torque Design
- Easy Accessibility
- Tramp Metal Protection
- Equity "Buyback" Guarantee
- Low RPM / Low Noise
- Large Infeed Hopper
- 4-Way, Indexable Cutting Inserts
- High Output "Torsion Point" Cutting Rotor
- Heavy Duty Construction
- Stress-Free Frame, Robotically Welded
- Lifetime Limited Warranty on Cutting Rotor
- Oversized Drivetrain
- Heavy Spherical Roller Bearings
- PLC Control Panel
- ISO 9001 Manufactured

Options

- Custom Hoppers
- Abrasion Resistant Screens
- Control Integration
- Turn-Key Installation w/Custom Conveyor Systems Engineering and Material Handling Equipment



Vecoplan VST-42e Shredder Features

Vecoplan VAZ 1100-XL Mobile Shredder

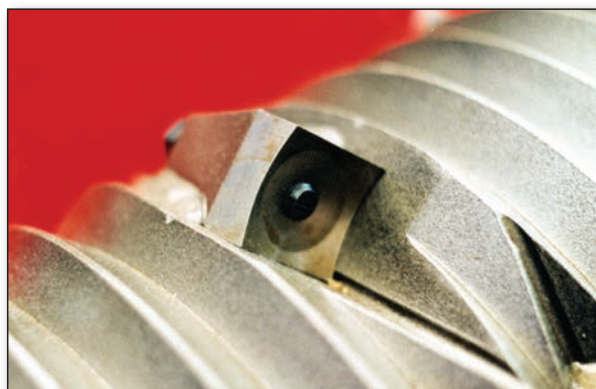
Change Screen Size in Ten Minutes

Vecoplan's unique design gives the user complete control over the final shred size via an easily replaced discharge screen. Changing the shred size anywhere from 3" to 3/8" takes about ten minutes! This ability, along with the true dump-and-run capabilities of the Vecoplan shredders, provides the utmost in flexibility and control.

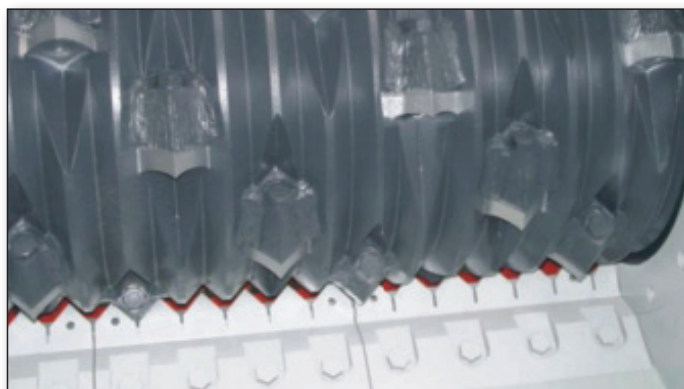


Proven Cutting System

The Vecoplan design incorporates a heavy-duty, multiple piece cutting rotor assembly. It is engineered for high torque cutting efficiency and quiet operation. The cutting geometry allows for stabilized energy usage, high throughput, consistent particle size and long cutter wear. The milling of the rotor allows the mounting of cutters in such a pattern as to allow minimum cutting resistance, minimal revolutions of material to reduce to a size that will pass through the sizing screen and the rake angle and design of the cutters and counterknife produce high quality particles through actual shearing action.



"Torsion Point" cutters are 4 sided and indexable to allow 4 actual cutting surfaces.



Counterknife standard tolerances are .015 to .020 clearances. Options are available for clearances to .010.

Vecoplan VST-42e Components

Vecoplan VST-42e Features

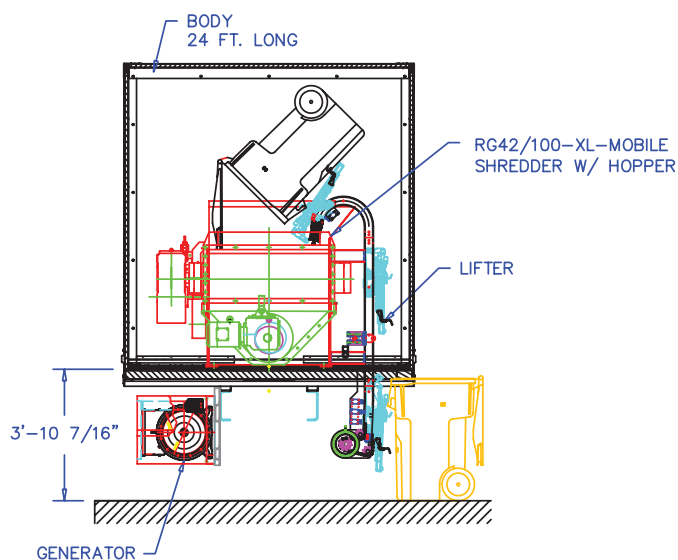
SureTrac™ Gliding Floor

The SureTrac™ Gliding Floor payload discharge system makes discharging quick and safe. These developments allow for automatic loading, shredding, compaction and discharge, effortlessly with no manual intervention.



Lock 'N Load™ System

Latest design in bin loading; The Lock 'n' Load™ Bin Lifter System developed jointly by VECOPLAN and BPI® and the EasyAccess™ Loading Enclosure lifts and dumps at curb level without dust or safety issues. The SureTrac™ Gliding Floor payload discharge system makes discharging quick and safe. These developments allow for automatic loading, shredding, compaction and discharge, effortlessly with no manual intervention.



Vecoplan Mobile Document & Product Destruction Systems

Advanced Controls and User-Friendly Interface



At the heart of the VST42e mobile shredding system is an advanced, PLC driven control system. With some of the most advanced PLC programming in the industry, shredder performance is maximized automatically, adjusting ram feed speeds and rotor torque as required to optimize system performance. A single-station, intuitive graphic touch screen interface gives the operator constantly updated information, including a life-long event history, tote count and cutter hours. Events that require special attention are brought to the operator's attention and have complete, step-by-step instructions to remedy any potential alarm conditions.

Redundant systems insure that the VST-42e will be operational when you need it. Should the touch screen interface become inoperative, the VST-42e can still be operated via hard-wired push-button controls. Analog pressure gauges keep the operator informed of machine functions as well.

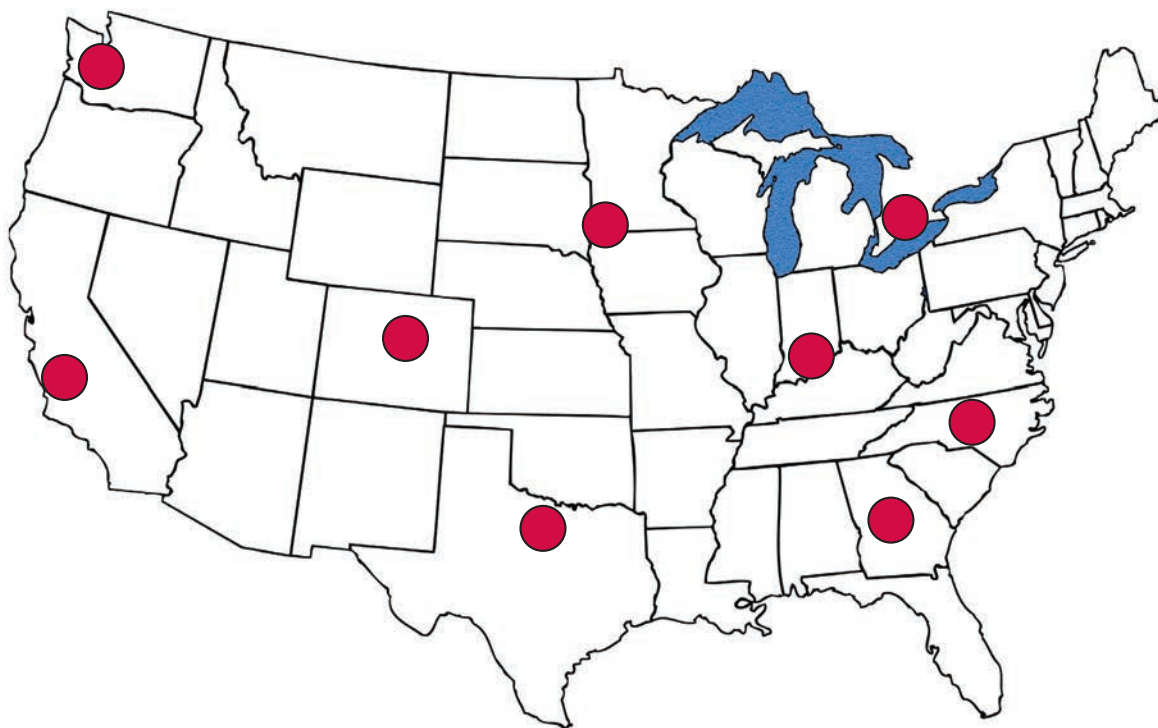


Automated Programming For Any Task

Vecoplan's unique **TaskMaster™** Application Management System automatically optimizes the shredding process for a vast array of materials with the push of a button.

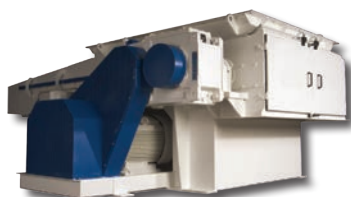
- Program 1: Optimized for processing high volumes of paper.
- Program 2: For processing tapes, pill bottles, credit cards, etc.
- Program 3: Ideally suited for books, file stock and banker's boxes.
- Program 4: Programmed specifically for processing uniforms and textiles.
- Program 5: For hard drives and other tough-to-process e-scrap.

Service and Tech Support that's Unrivaled



Vecoplan has an established network of service facilities strategically located across North America. Our system of service technicians and technical support insures that your Vecoplan mobile shredding system will be operating at peak performance when you need it.

Learn More at
www.vecoplanllc.com



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