



SHARK 220D / 440D Semi-trailer



SHARK 220DT / 440DT On Tracks



SHARK 440E Stationary Electric

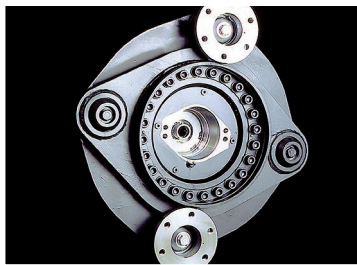
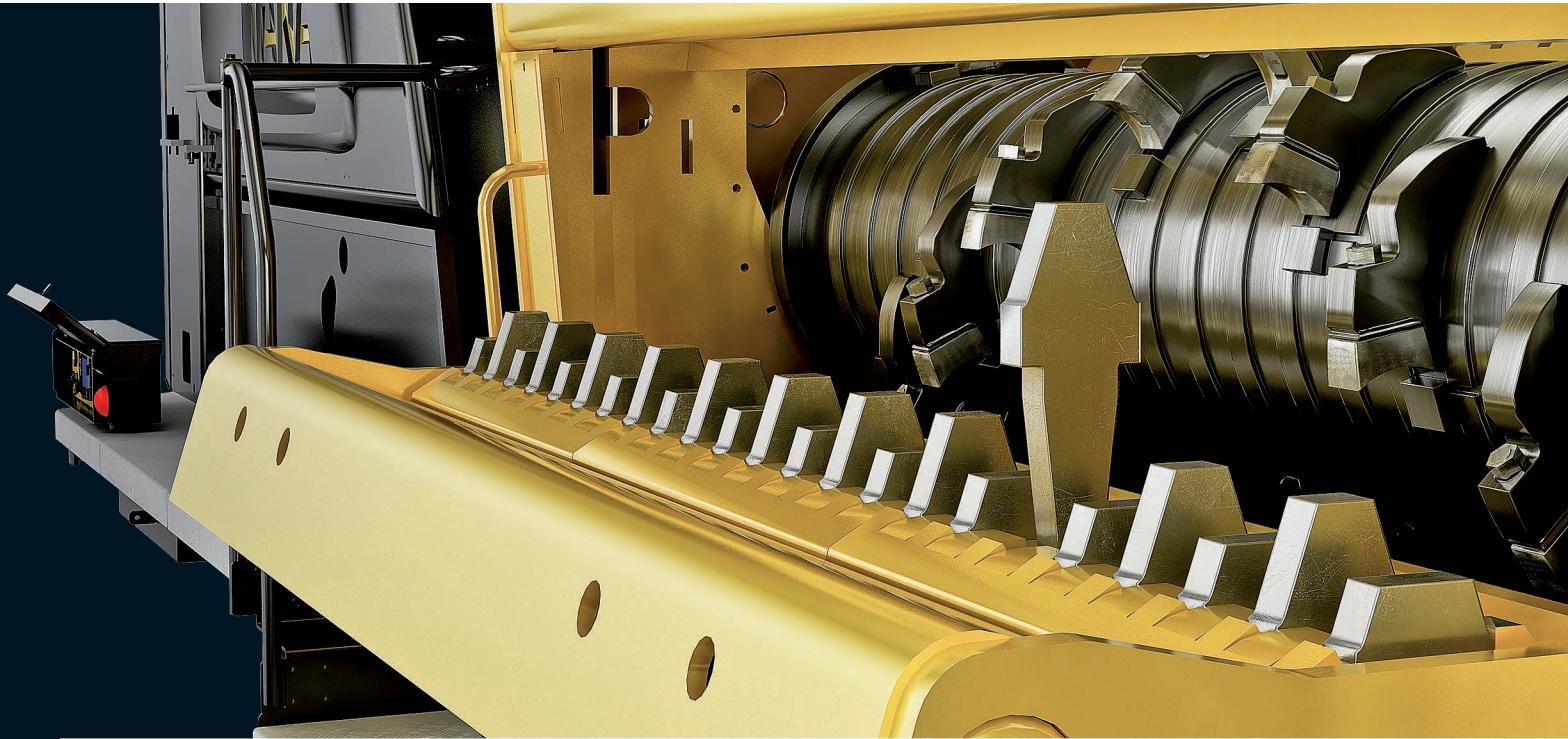


SHARK 440EM Semi-Trailer Electric

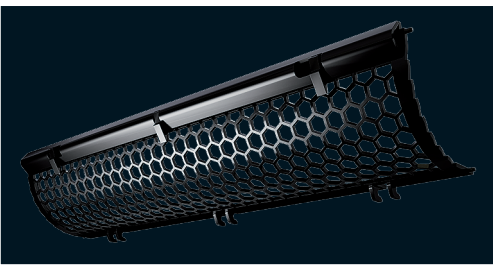
TANA SHARK Shredders
Unique Versatility

TANA
North America
From Waste to Value®

TANASHARK – Increase profits and operational versatility



Rotor carrier assembly, swing frame (pat.) protecting the gears



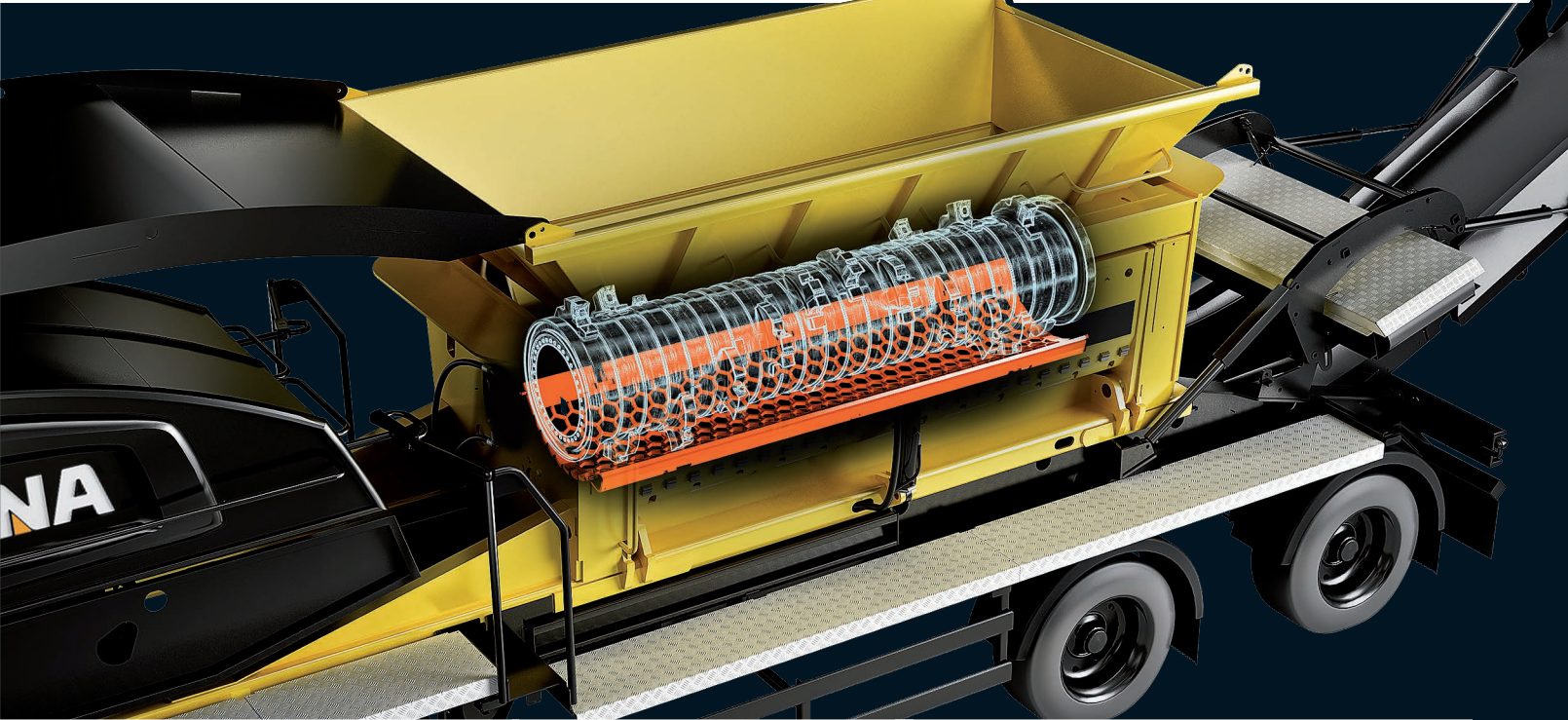
Screens with a variety of mesh sizes to adjust particle size



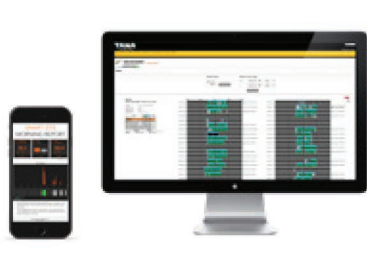
Hardface weld surfacing to extend the life of the rotor



Bolt-on, reversible cutting knives



TCS with 12 pre-programmed material settings, connected with TANA ProTrack®



TANA ProTrack® reports to your device and a real-time view of the machine for troubleshooting and quick maintenance



Easy Power Pack Access

Drop-in counter-knives

The number of counter-knives play an essential role in determining the capacity of the shredder and the particle size of the end product. TANA Shark's counter-knives have two wear surfaces. They are quick and easy to remove and turn because of the drop-in attachment mechanism. Full counter-knives and half counter-knives can be interchanged to maximize throughput.

Adjustable plug-in rotor screens

Another factor affecting the end-product size is the rotor screen. A variety of rotor screens with different mesh sizes are available for the TANA Shark. The rotor screens are easy to install and remove while on the job-site because of the "plug-in" design. The TANA Shark's screen is adjustable allowing the screen clearance to be fine-tuned for maximum performance while reducing the possibility of screen clogging.

Reversing rotor

The reversing function assists in enabling uninterrupted flow of the material through the shredder. Material that gets wrapped around other shredder's rotors is removed during Tana's reversing feature.

Serviceability is key to productivity

The ease of service and maintenance of a shredder in harsh and dirty operating conditions is one of the most important key factors. The TANA Shark addresses these issues by having the diesel engine, radiators, coolers, and filter sets fitted in service-friendly locations. Scheduled maintenance is a snap since the engine bay hood opens to both sides of the machine. Daily service is greatly reduced by pre-screening the airflow to the radiators and an oversized engine air filter.

The hydraulic controlled sidewall opens for easy access to the rotor, the rotor knives, and the counter-knives while acting as the service platform.

The attachment mechanisms of the cutting tools are simple. Changing all the cutting tools on the rotor is easy and quick using high strength fasteners. Replacing counter-knives is as simple as pushing the knives and locking mechanisms out by hand and dropping the new ones in place.

Fire safety is another key issue when operating in dry and dusty conditions. The low-speed rotor of the TANA Shark minimizes sparks and the bolt-on wear parts make welding work unnecessary in on-site conditions.

Designed to be simple and strong

The simplicity of the TANA Shark's structure allows the removal and reinstallation of any component without the need for major disassembly. For example, the conveyor may be quickly uncoupled and removed as a complete unit. The framework materials are high-quality steel for easier welding and maintenance. All wear parts are made of durable hardened steel.

TANA ProTrack® – State of the art information management system

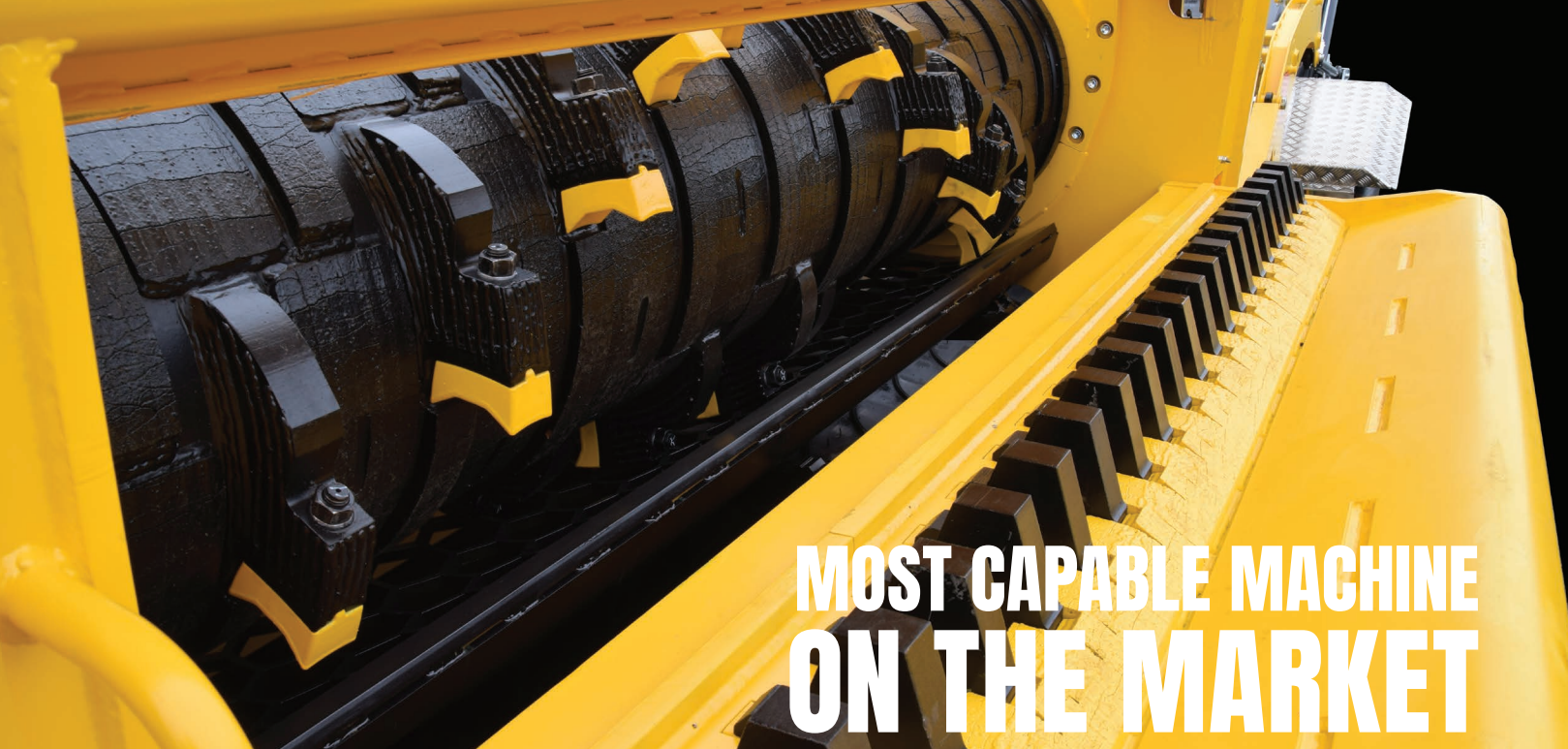
TANA ProTrack®

An Internet based wireless connection to the shredders control system minimizes downtime by enabling immediate troubleshooting and technical support.

Maximum uptime

- Remote access for quicker and more accurate troubleshooting by the distributor and TANA technical support
- Critical alarm notifications to several receivers by e-mail
- Reminders for scheduled maintenance to several receivers by e-mail Accuracy to cost follow-up through TANA Protrack® reports (additional option)
- Monthly operational reports to given e-mails on e.g. working hours, power consumption, work load...





**MOST CAPABLE MACHINE
ON THE MARKET**



C & D



Dimensional Lumber



Ragger Tail



Green Waste



Tires



Mulch & Compost



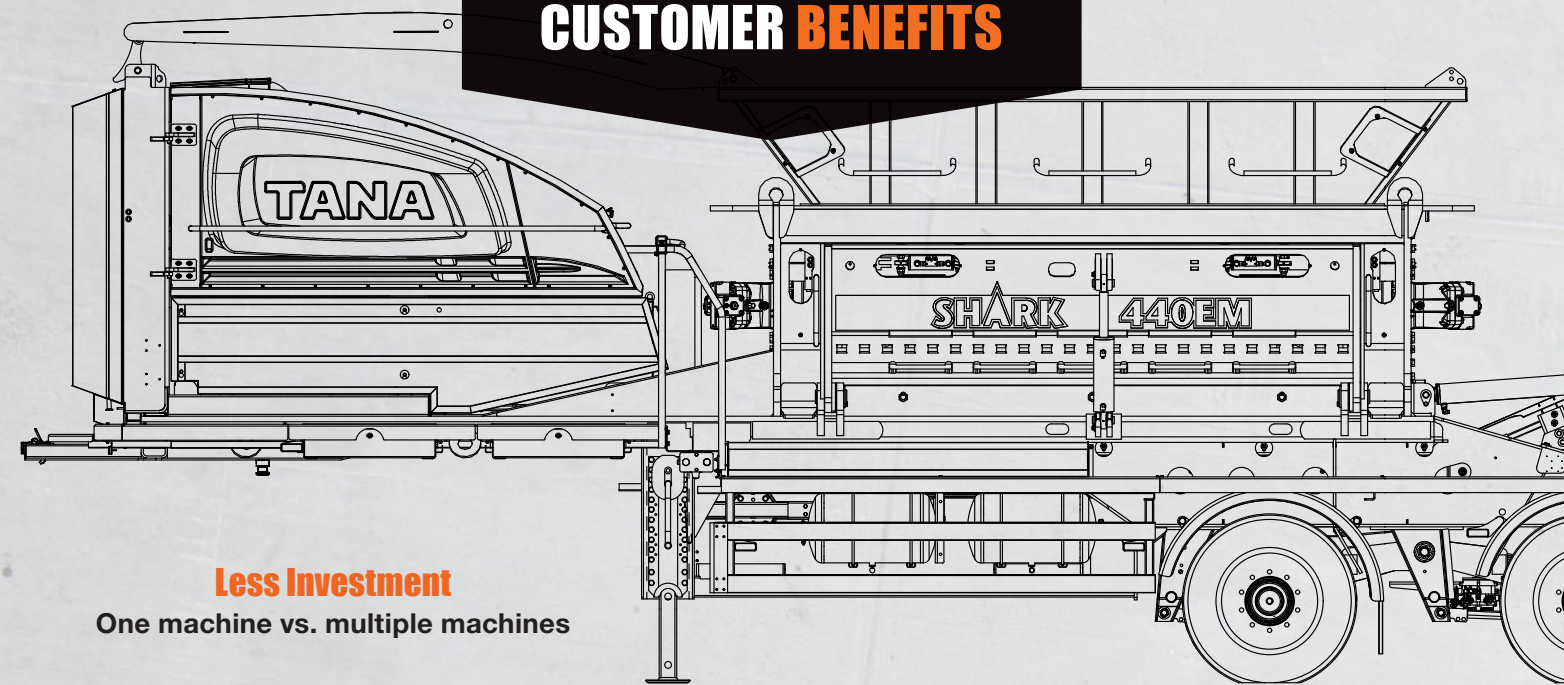
Railroad Ties



And More...

**Unique
Versatility**
Capable of 2" Minus

CUSTOMER BENEFITS



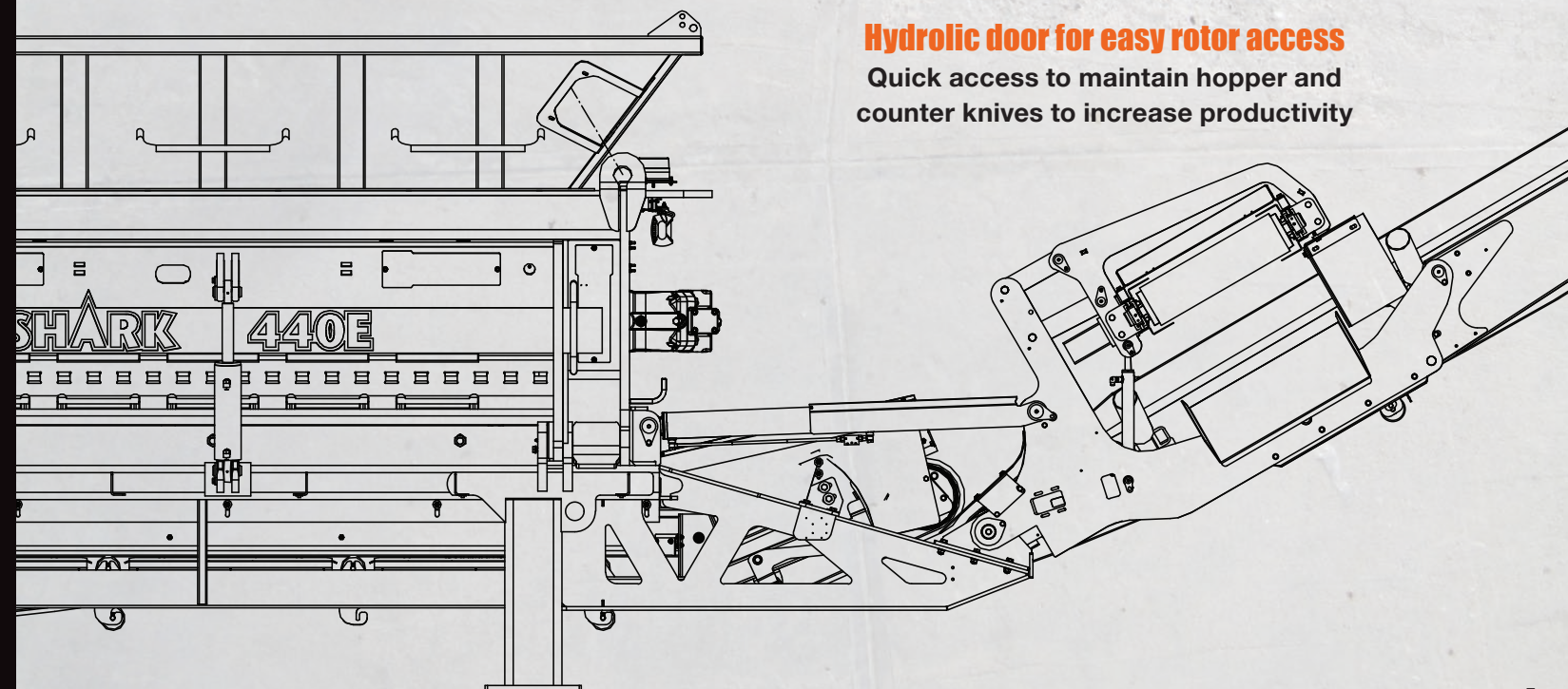
Less Investment
One machine vs. multiple machines

Increased Flexibility
Change screens in less than 1 hour

Optimized end product size and capacity
Purpose-built rotor, counter-knife sidewall design and rotor screen sizing options

High level of uptime
Quick change of rotors, knives and counter-knives
Easily remove obstructions with sidewall opening capability

Hydraulic door for easy rotor access
Quick access to maintain hopper and counter knives to increase productivity



DIESEL

General Information	220D	220DT	440D	440DT
Operating Weight	53,2000 lbs	56,750 lbs	59,775 lbs	63,545 lbs
Total transport length	415 in	415 in	415 in	415 in
Total operation length	622 in	620 in	622 in	620 in
Total width	99 in	113 in	99 in	113 in
Total transport height	150 in	132 in	150 in	132 in
Engine	Cummins QSX15 - 580 HP Fullfills U.S. EPA Tier 4 Final, CARB Tier 4 Final and EU Stage IV			
Rotor drive gears	Lohmann and Stolterfogt			
Nominal rotor torque	81,132 ft-lbs x 2 total 162,260 ft-lbs		162,260 ft-lbs total 324,530 ft-lbs	
Shredding tools	220D	220DT	440D	440DT
Rotor Shredding length	118 in			
Rotor speed	Maximum 30 rpm			
Rotor diameter	36 in			
Rotor knives	22 pcs		33 pcs	
Counter knives	23 pcs			

DIESEL ADVANTAGES

Designed to operate in remote locations

Many locations where material needs to be processed is at a location where you need the freedom a Diesel machine offers.

Track Unit mobile on site

Tracks allow for the operator to easily move from waste stream to waste stream on a jobsite in a time efficient manner.

Optimal if traveling with machine

Whether you have multiple locations where you need to process material or if you plan to take your machine to your customers, a diesel unit is optimal for you.

ELECTRIC

General Information	440E	440E w/conveyor	440EM
Operating Weight	45,000 lbs	54,000 lbs	62,800 lbs
Total transport length	227 in	250 in	395 in
Total operation length	227 in	469 in	609 in
Total width	90 in	95 in	100 in
Total transport height	117 in	132 in	152 in
Engine	Powered by electric motors (400V/50Hz) (2 x 160 kW) (US 480V / 60Hz, 2x175 kW)		
Rotor drive gears	2 x 162,260 ft-lbs		
Nominal rotor torque	324,530 ft-lbs		440 kNm
Supply voltage	480 V / 60 Hz		480 V / 60 Hz
Rated current	630A		630A
Shredding tools	440E	440EM	
Rotor Shredding length	118 in		
Rotor speed	Maximum 26 rpm		
Rotor diameter	36 in		
Rotor knives	33 pcs		
Counter knives	23 pcs		

ELECTRIC ADVANTAGES

Less noise & zero emissions with electricity

Noise is an environmental hazard and a work safety issue. The electric TANA Shark is considerably quieter than a diesel-powered shredder, making it easier to follow noise and safety regulations.

Lower operational costs

A machine that runs on electricity goes easy on both the environment and the wallet. The initial investment will pay itself back in lower operating costs while supporting sustainable development, cleaner site and safer working environment through zero emissions.

Next generation control system

The electric TANA Shark 440 models come with the next generation of TANA Control System (TCS). The highly user-friendly, color touch screen control system allows intuitive operation of the machine and reduces the hours spent on user training.

KEY FEATURES ON EVERY TANA SHREDDER

TANA ProTrack®

An Internet based wireless connection to the shredder's control system minimizes downtime by enabling immediate troubleshooting and technical support. As an option you can also get operational reports via email to optimize your process.



Auto Reversible Rotor

The Tana shark shredders are designed with a system that automatically reverses the rotor to both increase output as well as prevent the machine from damaging itself no matter what material ends up in the hopper. This allows for an operator to feed the machine without fear of damaging the machine and creating downtime.

THE MOST VERSATILE WASTE SHREDDER ON THE MARKET

Applicable even for the most challenging materials



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