

X HUNDINGER EQUIPMENT®

DESIGNED TO IMPROVE YOUR BOTTOM LINE



SHARK 220^{eco}D / 440^{eco}D **Semi-trailer**



SHARK 220^{eco}DT / 440^{eco}DT **On Tracks**

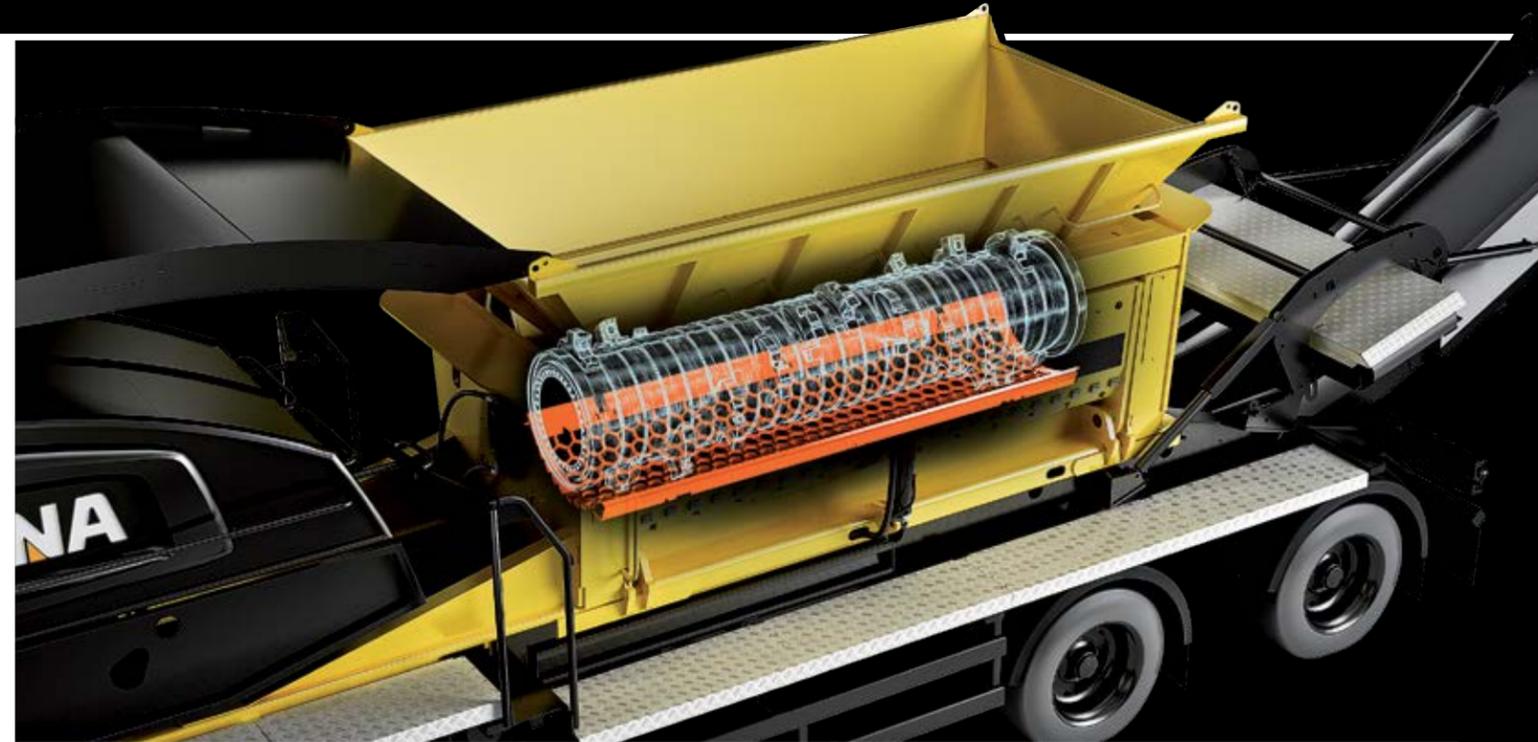
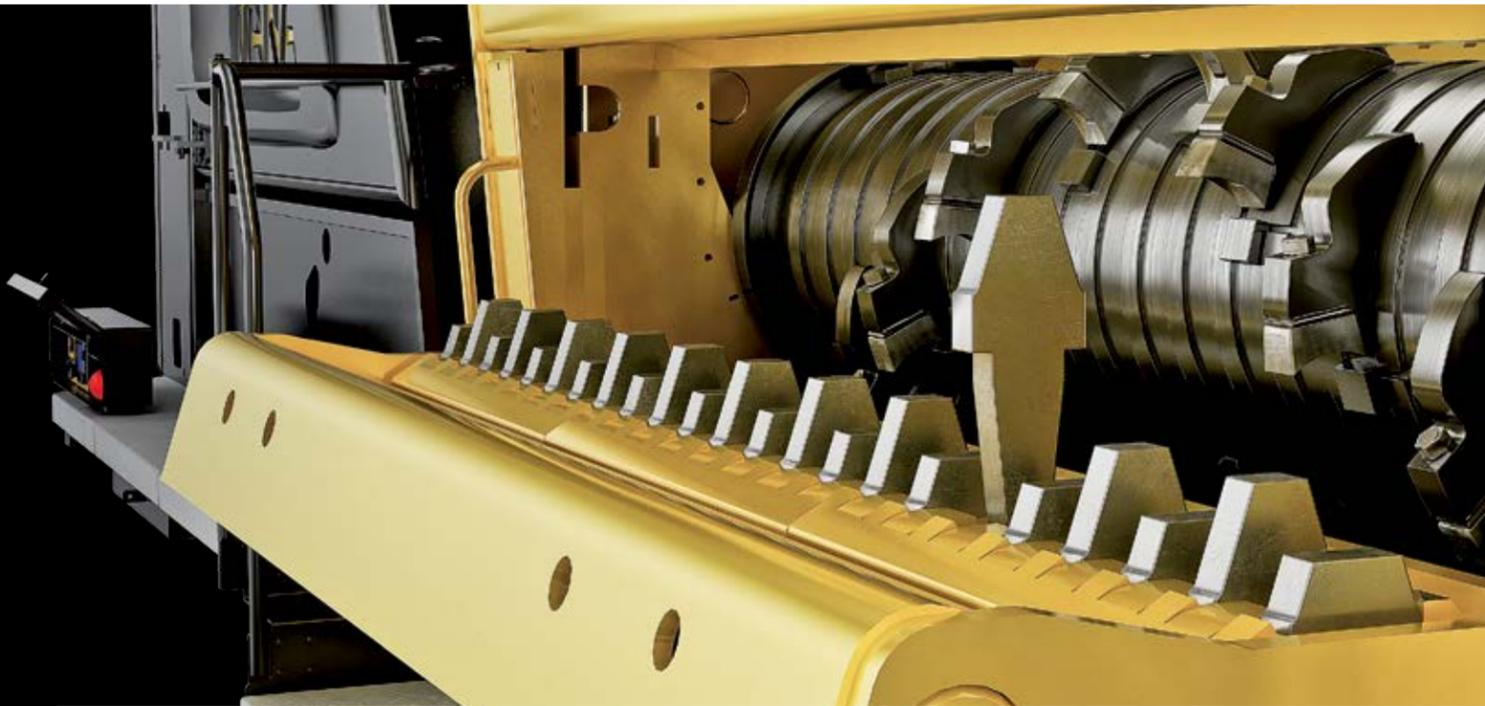


SHARK 440E **Stationary Electric**

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 with scaling system



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 Control System (TCS)

Cost Efficiency

The TANA Control System (TCS) monitors all operative functions in the TANA Shark. TCS includes 12 pre-programmed settings for the most commonly processed materials. It prevents machine damage caused by any problems in the driveline and controls the rotor movements depending on the selected program. Through TCS real-time information can be tracked including fuel consumption, fault codes, uptime information or capacity. Scaling system weighing the output in real-time is optional.

Operational Reliability

The TCS functions as a set-up screen for system base adjustments and acts as a diagnostics tool. All system alarms and machine malfunctions are logged in the TCS for easy monitoring and downloading reports in real-time or at a later date. Downtime costs and limiting potential damage to the powertrain are a direct result of this capability.

Longer Life

TCS also prevents overloading of the powertrain and automatically adjusts the TANA Shark for the optimum output level. Whenever the loading of the shredder approaches its limits, TCS adjusts the hydraulic pumps accordingly and changes rotary direction when necessary. The rotary direction is also reversed during less-than-optimum loading to increase throughput.

Technical Data



C & D



Dimensional Lumber



Ragger Tail



Railroad Ties



Green Waste



Tires



And More...

**Unique
Versatility**

Capable of 2" Minus

General Information	220D	220 DT	440D	440DT
Operating weight	53,000 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 Stolterfoht			
Nominal rotor torque	81,132 ft-lbs x 2 total 162,260 ft-lbs		162,260 ft-lbs x 2 total 324,530 ft-lbs	
Shredding tools	220D	220 DT	440D	440DT
Rotor shredding length	118 in			
Rotor speed	Maximum 30 rpm			
Rotor diameter	36 in		36 in	
Rotor knives	22 pcs		33 pcs	
Counter knives	23 pcs (25 pcs)			

Powerpack	440E
Weight	9,925 lbs
Length	131 in
Width	83 in
Height	79 in
Two electric motors, nominal power	2x160 kW
Supply voltage	480 V / 60 Hz
Rated current	600A
Shredding unit	440E
Weight with conveyor	37,275 lbs
Weight without conveyor	29,150 lbs
Length with conveyor	468 in
Length without conveyor	177 in
Width with conveyor	93 in
Width without conveyor	90 in
Height including hopper	97 in
Shredding tools	440E
Rotor shredding length	118 in
Rotor speed	Max 24 rpm
Rotor diameter	36 in
Rotor knives	33 pcs
Counter knives	23 pcs
Rotor drive gears	2 x 162,260 ft-lbs
Nominal rotor torque	324,530 ft-lbs

Customer Benefits	
TANA Shark brings the customer tangible benefits measured in \$money\$	
One machine vs multiple machines	Less investment
Mobile capability	Increased flexibility
Purpose-built rotor, counter-knife sidewall design and rotor screen sizing options	Optimized end product size and capacity
Quick change of rotors, knives and counter-knives	High level of uptime
Easy to remove obstructions with sidewall opening capability	



Humdinger Equipment, Ltd.

3202 Clovis Road | Lubbock, Texas 79415

TELEPHONE 806.771.9944 FAX 806.771.9945 EMAIL sales@humdingerequipment.com

www.humdingerequipment.com