

TANASHARK mobile shredder

Unique **VERSATILITY**



TANA

North America

From Waste to Value

Versatility in practice

Drop-in counter tools

The number of counter tools play an essential role in determining the capacity of the shredder and the particle size of the end product. TANA Shark's counter-tools have two wear surfaces. They are quick and easy to remove and turn because of the drop-in attachment mechanism. Two-thirds of the tools can be removed 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 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. The engine bay with the hood opening to both sides of the machine covered with FOPS provides an ideal environment for carrying out the scheduled service. The pre-screening of the airflow to the radiators and an oversized engine air filter greatly reduce the daily service attention required.

The rotor, the shredding tools and the counter tools are all easily accessible once the counter tool panel is opened to serve as the service platform.

The attachment mechanism of the cutting tools is simple. Changing all the cutting tools on the rotor is easy and quick. Due to the drop-in mechanism of the counter tools they only need to be pushed out of their place. The attachment mechanism (patent pending) enables a quick and easy removal of the rotor when it is time to replace.

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.



Operational reliability

Product Specifications

TANA Control System (TCS)

Cost Efficiency

The TANA Control System (TCS) monitors all operative functions in the TANA Shark. It prevents machine damage caused by any problems in the driveline and controls the rotor movements depending on the selected work mode. The TCS's LCD panel acts as the instrument panel displaying more than 100 pieces of information (e.g. malfunctions log, fuel consumption, loading rate, service intervals, etc.)

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.



General Information	220D	220 DT	440D	440DT
Operating weight	52,925 lbs	63,950 lbs	59,550 lbs	70,550 lbs
Total transport length	415 in	415 in	415 in	415 in
Total operation length	620 in	620 in	620 in	620 in
Total Width	102 in	111 in	102 in	111 in
Total transport height	153 in	134 in	153 in	134 in
Engine	Cummins QSX15 or Caterpillar C15 – 589 HP			
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				
Rotor shredding length	130 in			
Rotor speed	Maximum 30 rpm			
Rotor diameter	34 in		36 in	
Rotor knives	22 pcs		33 pcs	
Counter knives	23 pcs (25 pcs)			



Customer benefits

TANA Shark brings the customer tangible benefits measured in money\$\$\$

One machine/unit	Less investment
Modular construction	Increased flexibility
Purpose-built rotor, counter tool designs and rotor screens	Optimized end product size and capacity
Quick change of rotors and counter tools	High level of uptime

Powerpack	220E	440E
Weight	7,275 lbs	9,925 lbs
Length	131 in	
Width	83 in	
Height	102 in	111 in
Two electric motors, nominal power	300 HP	430 HP
Supply voltage	480 V / 60 Hz	
Rated current	400 A	600 A

Shredding unit	220E	440E
Weight with conveyor	33,750 lbs	37,275 lbs
Weight without conveyor	25,375 lbs	29,150 lbs
Length with conveyor	468 in	
Length without conveyor	159 in	
Width with conveyor	93 in	
Width without conveyor	90 in	
Height including hopper	97 in	

Shredding tools	220E	440E
Rotor shredding length	118 in	
Rotor speed	Maximum 20 rpm	
Rotor diameter	33 in	36 in
Rotor knives	22 pcs	33 pcs
Counter knives	23 pcs	
Rotor drive gears	2 x 81,132 ft-lbs	2 x 162,260 ft-lbs
Nominal rotor torque	162,260 ft-lbs	324,530 ft-lbs

Main components as per the other models	220E	440E
Total weight	57,325 lbs	63,950 lbs
Total transport length	415 in	
Total transport height	153 in	

The TANA Shark Shredder Difference

Introduction to shredding

Principles and priorities of waste management

- Reduction of waste
- Recycling of waste components
- Re-use of waste components
- Final disposal of rejected waste



The history of Tana goes back to the late sixties as a family-run garage operation business. A lot has changed in the past four decades.

Today, Tana is a successful manufacturer and exporter of five models of the well known TANA landfill compactors, ranging from 57,000 to 120,000 pounds. In 2003, Tana introduced the TANA Shark mobile shredder product lines to compliment the landfill compactor line.

Tana's worldwide distribution network reaches over 100 countries in North America, Europe, Asia, Australia, South America and Africa. Tana cooperates with experienced dealers who have strong commitment and expertise in the solid waste management field in their respective regions. Through their efforts and your experience-based feedback from different markets we have been able to continuously improve and develop our product lines. As a result, we are able to offer you the most comprehensive line of landfill compactors and the most versatile slow speed shredder on the market today.

The Shark mobile solid waste shredders have been designed to cater to your specific needs wherever you may be. Today's and tomorrow's market demands for a higher quality end product that will require you to have the most versatile and cost effective systems. Tana believes in the Shark's ability to match and surpass these challenges.

Tana North America handles its spare parts logistics through its dealer network and our cooperate warehouse located in Lubbock, Texas. Tana North America has in-house technical support staff to meet your needs at any time. Our commitment is to have on-site staff at your machine within 24-hours any where in North America to ensure the resolution of even the rarest problems.

Tana celebrated its 40th Anniversary in 2011. Tana thanks you, the Valued Customer. We welcome new customers to join forces with Tana North America. Let's work together to make your waste management processes even more efficient and profitable!

Sincerely at your service,

THE TANA NORTH AMERICA TEAM

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