

# TANA mobile waste shredders



**440DTeco on tracks diesel**

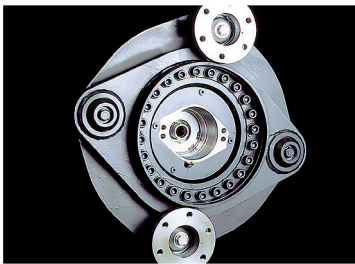


**440Deco semi-trailer diesel**  
**440EM semi-trailer electric**

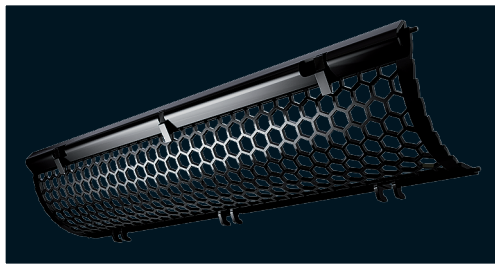


**440E stationery electric**

# TANA SHARK – For increased profits and operation



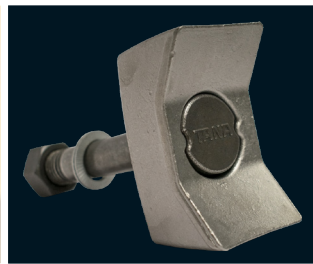
Rotor carrier assembly, swing frame (US pat.) protecting the gears.



Screens with a variety of mesh sizes to adjust particle size.



Hard weld surfacing to prolong the life span of the rotor tube.



Bolt-on, reversible rotor knives.

## Getting the most out of your investment

TANA Shark has been engineered to provide maximum uptime. Its robust design, proven materials, excellent serviceability and ease of operation are features that keep it reliable delivering the performance and profit you are looking for.

The TANA Control System (TCS) together with TANA ProTrack® allows you to tune your process and to use TANA Shark to the max. It tracks process information in real time, whether it is fuel consumption, fault codes, uptime information or capacity. The scaling system weighs the shredded materials throughout the process. This information is transferred automatically to TANA ProTrack® which provides you with reports by waste fractions (option).

## TANA Shark in general

The TANA Shark waste shredder is a hydraulically driven, electric or diesel engine powered, single shaft, low-speed mobile shredder. Operation and hydrostatic transmission are controlled by TANA Control

System (TCS). The TANA TCS protects the machine from overloading, overheating and possible damage caused by non-crushable material.

## Unique versatility

TANA Shark is suitable for shredding of most reusable, recyclable and recoverable materials. The purpose may be volume reduction, refuse derived fuel production or recyclable material production.

The key to productivity is the machine's versatility. It is able to handle materials from MSW to waste wood, from plastics to tyres and it can be used either as a pre-shredder or to produce the required particle size in one phase.

## Flexible operations

By adjusting the amount of counter knives, the end product size can be regulated, and with an adequate rotor screen, it can be fine-tuned and the optimal end product size-capacity ratio achieved. Both the rotor knives and the counter knives have two wearing surfaces that prolong their service life.

Rotors and counter knives are available with different coatings as an option.

## Homogeneous particle size

The rotor to screen clearance has a major impact on the overall productivity of the shredder and uniform quality of the output. In TANA Shark this clearance can be fine-tuned for maximum performance.

Screens are available in different mesh shapes and sizes which the operator can choose from according to the requirements he has for the end product size.

The simple and robust counter knife design adds up to the versatility. The amount of the counter knives can be adjusted and they have two wearing surfaces.

TANA Shark has a variety of options to choose from:

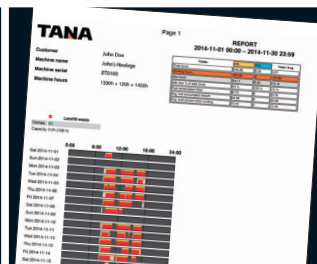
- Electric fuel refill pump
- Engine air-intake pre-cleaner
- Extension to conveyor
- TANA ProTrack® reports

Weights and measurements are given within normal tolerances. Manufacturer reserves the right to alter the above as necessary.

# al flexibility



TCS with 12 pre-programmed operations, connected with TANA ProTrack®.



TANA ProTrack® reports with scaling system.



A real time view to the machine through TANA ProTrack® opening a quick and accurate trouble-shooting and possibilities for preventative maintenance by TANA Service Center.

## 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 trouble-shooting and technical support.

#### Maximum uptime

- Remote access for quicker and more accurate trouble shooting 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, fuel consumption, work load...



# Technical data

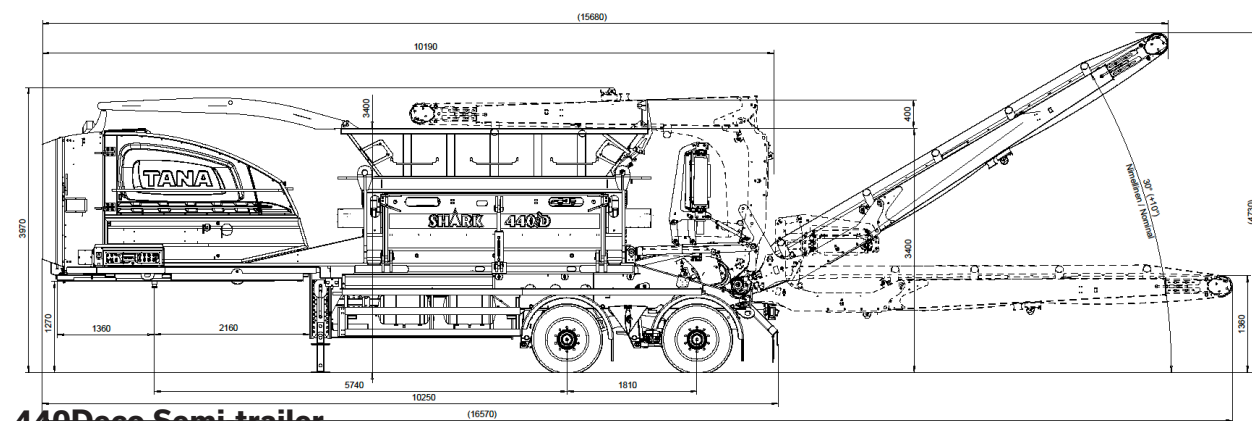
General informaton	440Deco	440DTeco	440EM	440E	440E w/conveyor
Operating weight	59,500 lbs	65 000 lbs	62,800 lbs	45,200 lbs	54,000 lbs
Total length in transportation	33 ft 7 in	33 ft 8 in	32 ft 11 in	18 ft 11 in	20 ft 10 in
Total length in operation	51 ft 5 in	51 ft 8 in	50 ft 9 in	18 ft 11 in	39 ft
Total width	8 ft 4 in	9 ft 5 in	8 ft 4 in	7 ft 6 in	7 ft 11 in
Total heigth in transportation	13 ft	11 ft 10 in	12 ft 11 in	9 ft 9 in	10 ft 11 in

Engine	Cummins X15 - 535 HP Fulfills Tier 4 final, EU Stage V	VEM, IE3	VEM, IE3	VEM, IE3
Rotor drive gears and rotor torque	2 x 162,260 ft-lbs, total 324,530 ft-lbs	2 x 162,260 ft-lbs, total 324,530 ft-lbs (2 x 220 kNm, total 440 kNm)		
Minimum supply fuse size		630A	630A	630A
Supply voltage		480 V / 60 Hz	480 V / 60 Hz	480 V / 60 Hz

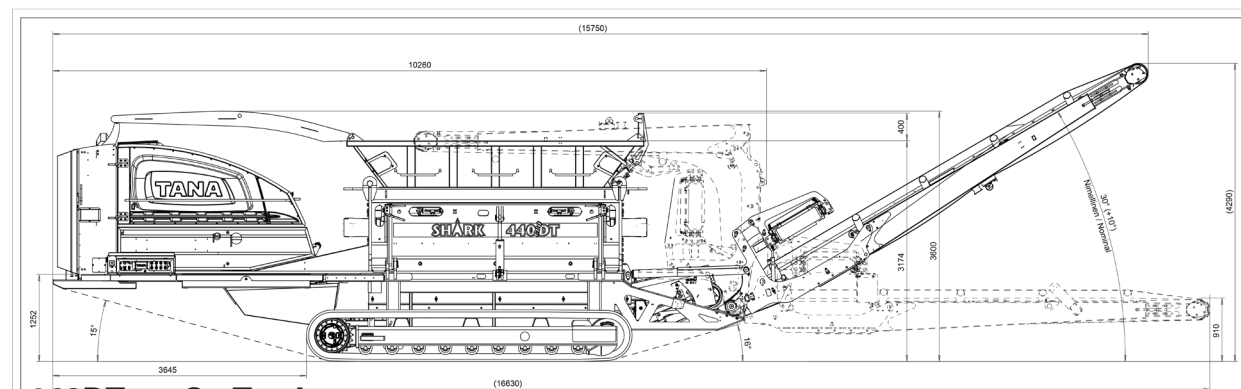
Shredding tools	440Deco	440DTeco	440EM	440E	440E w/conveyor
Rotor shredding length	9 ft 10 in	9 ft 10 in	9 ft 10 in	9 ft 10 in	9 ft 10 in
Rotor speed max, rpm	28	28	26	26	26
Rotor diameter	3 ft	3 ft	3 ft	3 ft	3 ft
Rotor knives, pcs	33 / 44 (option)	33 / 44 (option)	33 / 44 (option)	33 / 44 (option)	33 / 44 (option)
Counter knives, pcs	23	23	23	23	23

Operating weight includes the basic machine (fuel tank full), overband magnet, screen support bars and one screen.

Weights and measurements are given within normal tolerances. Manufacturer reserves the right to alter the above as necessary.



**440Deco Semi-trailer**



**440DTeco On Tracks**

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