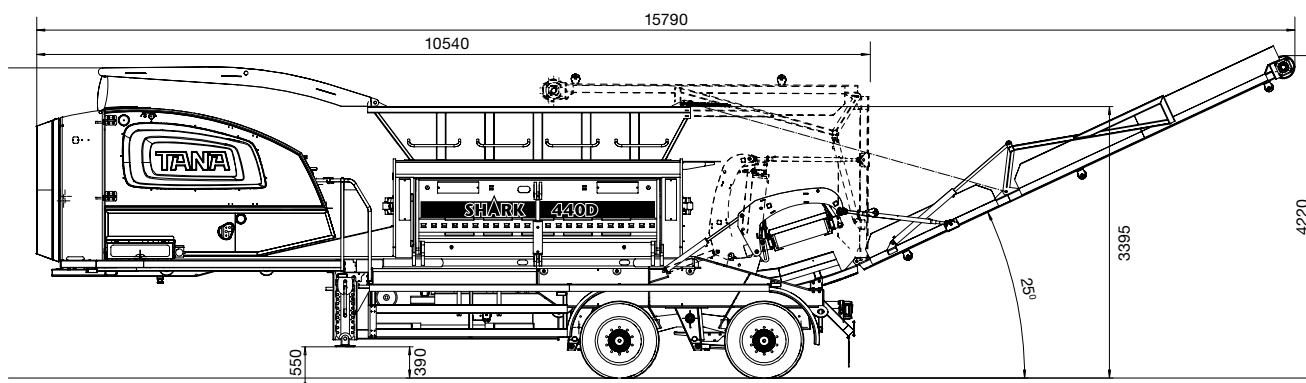


# Technical data



**SHARK 220D / 440D Semi-trailer**

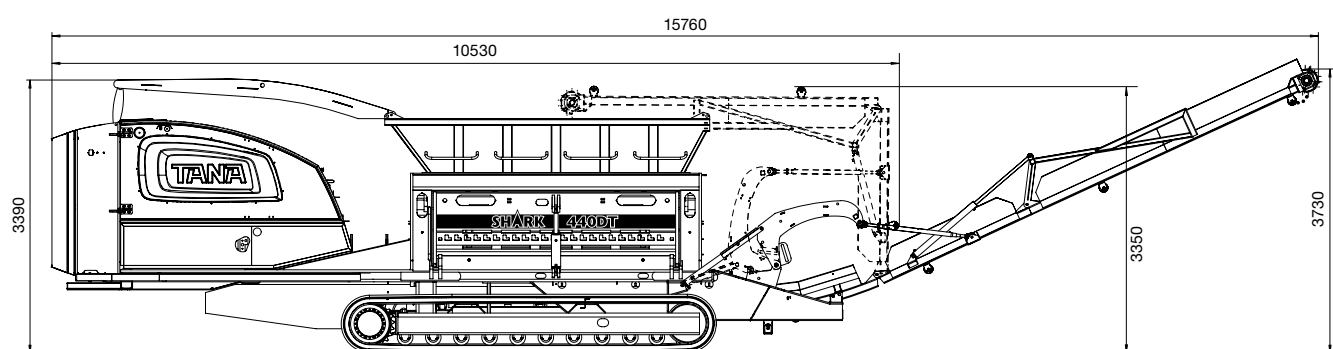
General information	220D	220DT	440D	440DT
Operating weight, kg	24 040	25 740	27 100	28 800
Total length in transportation, mm	10 540	10 530	10 540	10 530
Total length in operation, mm	15 790	15 760	15 790	15 760
Total width, mm	2 520	2 860	2 520	2 860
Total height in transportation, mm	3 820	3 350	3 820	3 350
Engine	Cummins QSX15 Fulfills U.S. EPA Tier 4 final, CARB Tier 4 final and EU Stage IV			
Urea tank, litres	56			
Rotor drive gears	Lohmann + Stolterfoht			
Nominal rotor torque, kNm	2x110 total 220		2x220 total 440	

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

Shredding tools	220D	220DT	440D	440DT
Rotor shredding length, mm	3 000			
Rotor speed, rpm	max. 30			
Rotor diameter, mm	920		920	
Rotor knives, pcs	22		33	
Counter knives, pcs	23 (25)			

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

TANA Shark 220D and 440D models are mounted on a semi-trailer, 220DT and 440DT models are on tracks.



**SHARK 220DT / 440DT On Tracks**

## Tana Oy

P.O. Box 160, Schaumanin puistotie 1  
FI-40101 Jyväskylä, FINLAND  
Tel. +358 20 7290 240, fax +358 20 7290 261  
mail@tana.fi  
[www.tana.fi](http://www.tana.fi)

**TANA**  
From Waste to Value®

# TANASHARKeco – Mobile Shredders

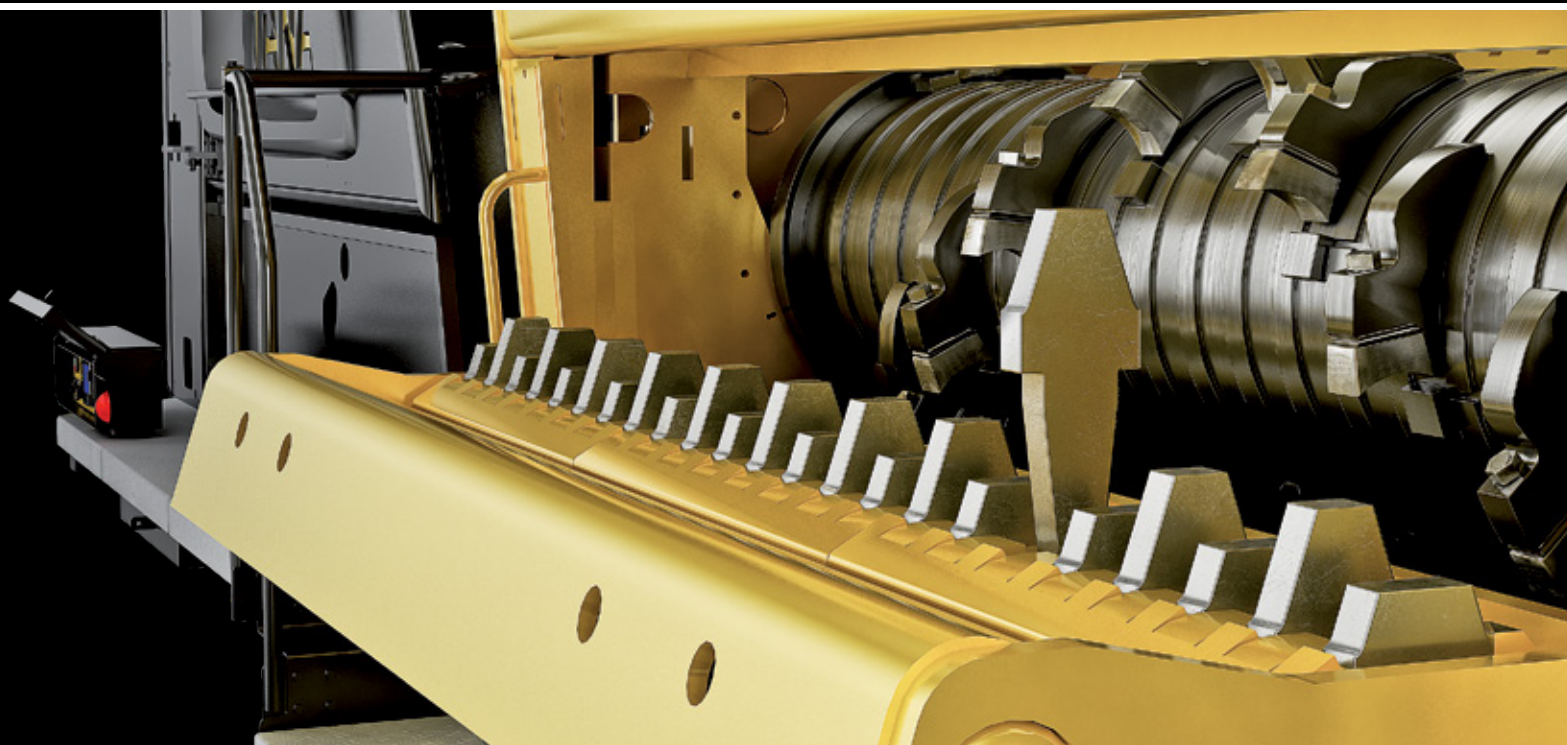


SHARK 220<sup>eco</sup>D / 440<sup>eco</sup>D **Semi-trailer**



SHARK 220<sup>eco</sup>DT / 440<sup>eco</sup>DT **On Tracks**

# TANASHARK – For increased profits and operational flexi-



**Rotor carrier assembly, swing frame (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 cutting 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.

## TANA Shark in general

The TANA Shark waste shredder is a hydraulically driven, diesel engine powered, single shaft, low-speed mobile shredder. Its diesel engine 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.

## Rotor and cutting knives

TANA Shark shreds material by cutting. The rotor configuration is a uniquely designed counter-twist. The cutting knives are reversible and made of highly wear-resistant material. There is a special rotor carrier assembly (pat. pend) protecting against possible damage in gearboxes.

## 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 finetuned 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.

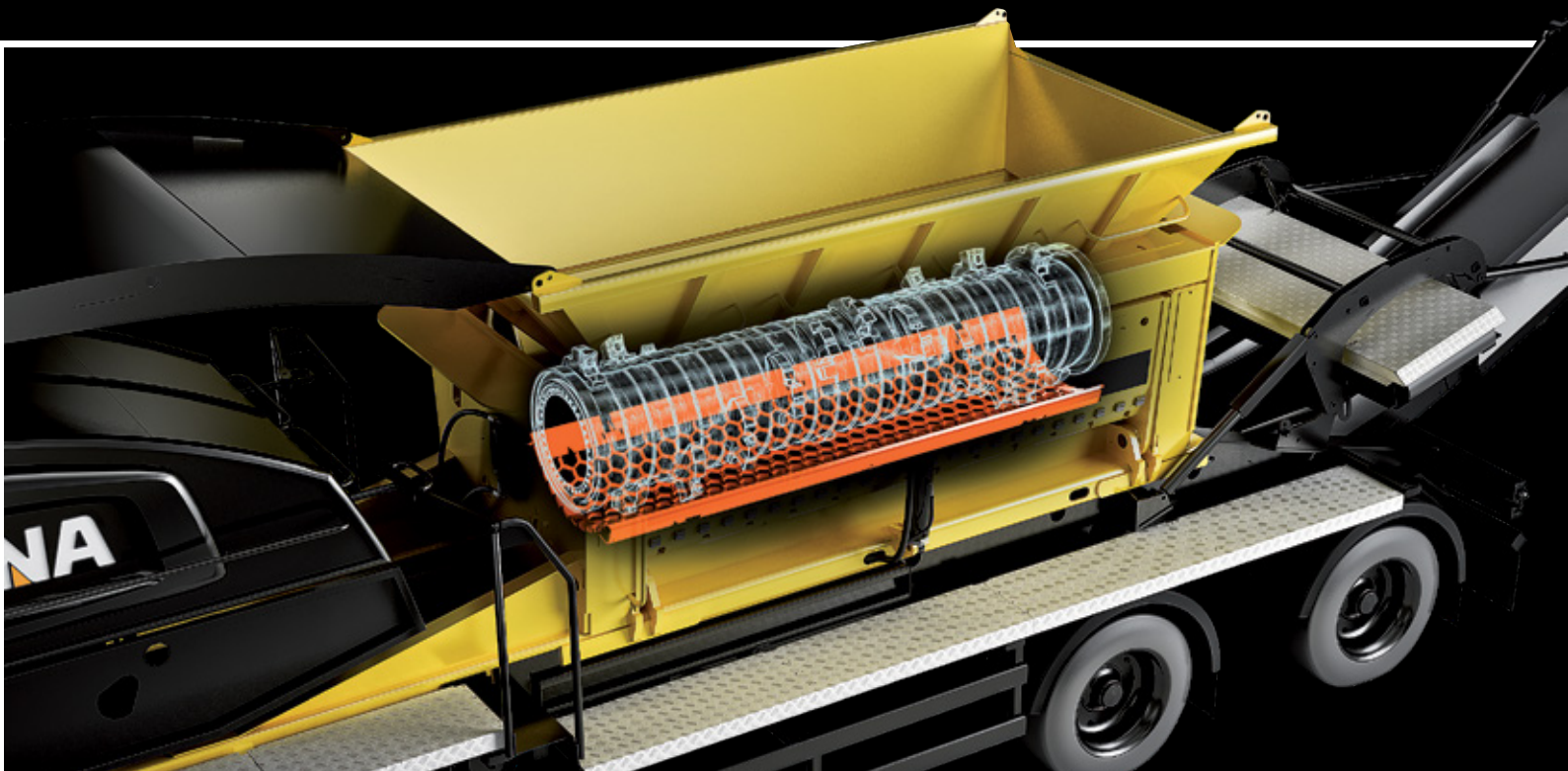
The simple and robust counter knife design adds up to the versatility. The amount of the counter knives can be adjusted and they have two wearing surfaces.

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.





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...

