

TANA SHARK ELECTRIC SHREDDERS



440EM Electric Semi-trailer



440E Electric Stationary



Zero emissions



Low operating costs

All you need to know

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.

Less noise and 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.

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.

TANA ProTrack®

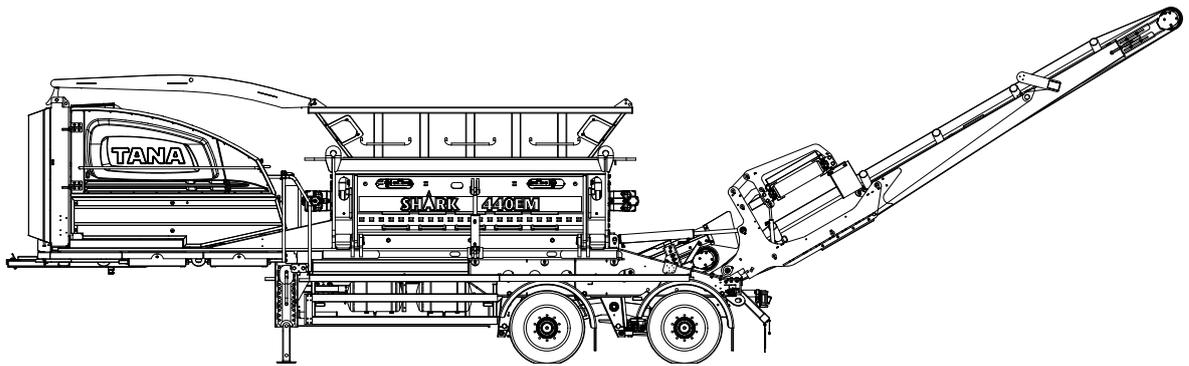
An Internet based wireless connection to the shredder's control system minimizes downtime by enabling immediate trouble-shooting and technical support. As an option you can also get operational reports via email to optimize your process.

2-part conveyor

Both conveyors can be adjusted and operated independently from each other in both directions. The rigid self-supporting conveyor frame has a wide movement range of +/- 30 degrees and is easy to clean. The conveyor scales measure output per operating program used and material shred and can be tracked real-time with TANA ProTrack®.

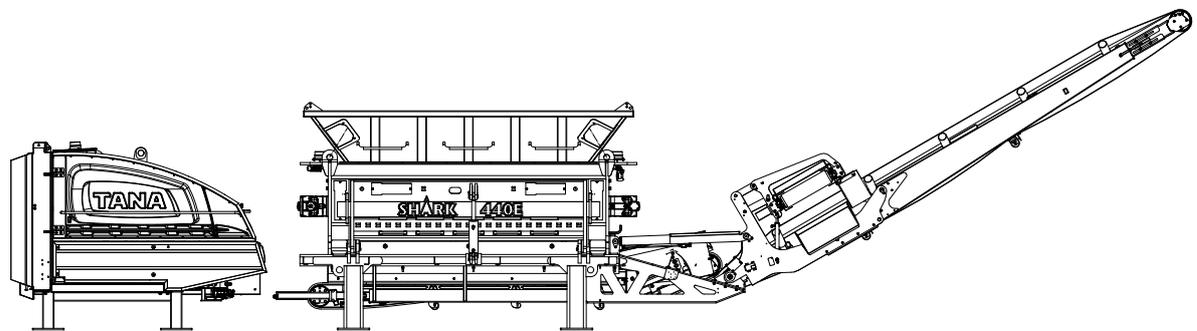
TANA Shark 440EM

MOBILE WASTE SHREDDER ON SEMI-TRAILER



TANA Shark 440E

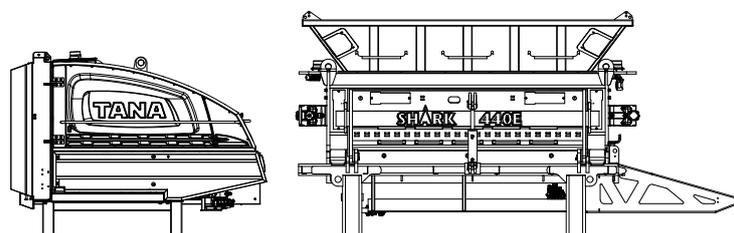
STATIONARY WASTE SHREDDER



TANA Shark 440E

STATIONARY WASTE SHREDDER

Without under & overband conveyors



For profit and performance

TANA Shark in general

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

The electric TANA Shark brings you many benefits; less emissions, less noise and lower operational costs without any compromise in performance, versatility or serviceability.

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.

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 power 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.

Track processes in real-time with TANA ProTrack[®]

State of the art information management system

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

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

Maximum uptime

- Remote access for quicker and more accurate troubleshooting by the
- 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)

Opening side door for quick maintenance and adjustment. HD Rotor (option) prolongs rotor life span.

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. The special patented rotor carrier assembly gives protection against possible damage to the 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.



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

TANA Shark has a variety of options to choose from

- Mesh screens in different sizes
- Extended conveyor side frames
- Additional working lights
- TANA ProTrack® reports

Overband magnet separates metals. (option)



Technical Specifications

General information	440EM	440E	440E without conveyors	Powerpack for 440E
Operating weight, kg	28 500	24 500	20 500	5 000
Total length in transportation, mm	10 040	6 340	5 770	2 860
Total length in operation, mm	15 470	11 900	5 770	3 400
Total width, mm	2 530	2 420	2 290	2 190
Total height in operation, mm	4 720	4 180	2 860	2 520
Total height in transportation, mm	3 950	3 340	2 970	2 520
Motors	2 x 175 kW VEM electric motors* (Supply voltage 400 V / 60 Hz) / 2 x 160 kW VEM electric motors** (Supply voltage 400 V / 50 Hz)			
Nominal rotor torque, kNm	440			

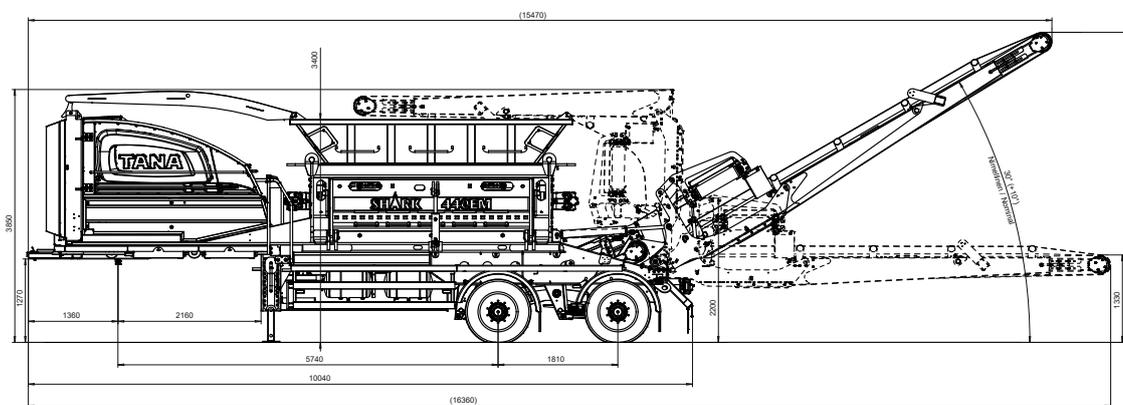
Shredding tools	440EM	440E
Rotor shredding length, mm	3 000	3 000
Rotor speed, rpm	max. 26	max. 26
Rotor diameter, mm	920	920
Rotor knives, pcs	33/ 44 (option)	33/ 44 (option)
Counter knives, pcs	23	23

Operating weight includes the basic machine, overband magnet, screen support bars and one screen.

*USA/ Canada
** EU

Technical dimensions

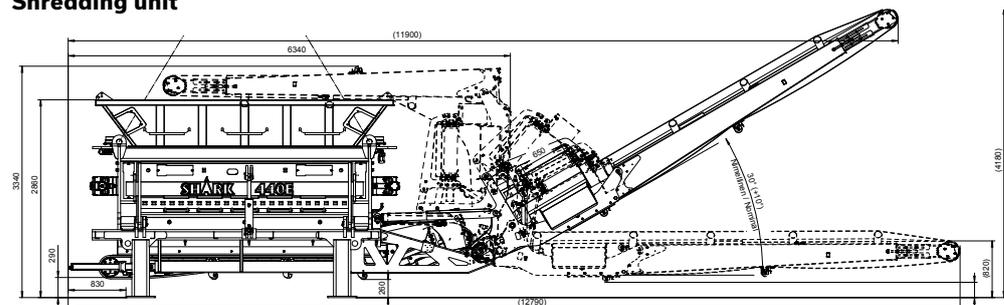
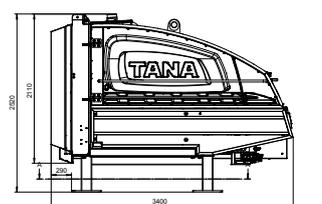
Semi-trailer



Stationary

Shredding unit

Powerpack



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

Latest print March 2021.

Tana Oy
P.O. Box 160, Schaumanin puistotie 1
FI-40101 Jyväskylä, FINLAND
Tel. +358 20 7290 240
mail@tana.fi www.tana.fi

TANA