

TANA

TANA ELECTRIC WASTE SHREDDERS

Shark & Hammerhead EM, ET, E



TANA FROM WASTE TO VALUE®



Love the results

The TANA Shark and TANA Hammerhead have been engineered to provide maximum uptime. Their 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.

TANA waste shredders are 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.

Lower operational costs

An electrically powered machine offers both environmental sustainability and cost efficiency. 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

Noise is an environmental hazard and a work safety issue. The electric TANA shredders are considerably quieter than a diesel-powered shredder, making it easier to follow noise and safety regulations.

TanaConnect®

TanaConnect® gives your machine built-in intelligence, providing real-time data to optimize performance, support operational decisions, and enhance productivity.

Next generation control system

The electric TANA 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 Shark and TANA Hammerhead electric waste shredders

are designed to efficiently shred a wide array of waste materials, all while operating with zero local emissions thanks to our electric shredding technology. TANA electric waste shredders offer the same TANA versatility and reliability, with an added attention to environment.

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 TanaConnect®.

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

Rotor and cutting knives

TANA shredders shred 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 shredders 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 counter knives can be adjusted and they have two wearing surfaces.



TCS with 12 pre-programmed operations, connected with TanaConnect®.

TANA shredders have a variety of options to choose from

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



Overband magnet separates metals. (option)



TANA SUCCESS STORIES

Efficiency meets sustainability

CleanR Verso adopts electric shredding with TANA Shark ET.



CleanR Verso, a waste management company in Latvia, has implemented the electric TANA Shark ET shredder to efficiently process a wide range of material streams, including tires, wood chips, and construction waste. This move reflects the company's commitment to sustainability and operational efficiency.

Previously, CleanR Verso had experience with TANA equipment through subcontractors using diesel-powered TANA Shark models. However, the shift to an electric shredder marks a step forward in both environmental responsibility and cost-effectiveness.

"After researching the market, we became convinced

that TANA was the right fit for our needs, which led us to choose this specific electric TANA model," says **Margo Ojapervs**, Head of the Production Department at CleanR Verso.

With an extended operating cycle of 500 hours and significantly lower energy use compared to diesel-powered units, the electric shredder was a natural choice for CleanR Verso, whose core values emphasize green thinking.

"We recommend the electric TANA because it is environmentally sustainable, economically efficient, and cost-saving," Ojapervs adds.

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The electric TANA Shark ET offers several key advantages:

- Lower energy consumption
- Reduced maintenance requirements
- Environmentally friendly operation
- No need for specialized training

Margo Ojapervs, Head of the Production Department at CleanR Verso



ELECTRIC MODELS

General information	SHARK ET	HAMMERHEAD ET	SHARK EM	HAMMERHEAD EM	SHARK E	HAMMERHEAD E
Operating weight, kg *	31900	31900	27400	27400	24500	24500
Total length in transportation, mm**	10260	10260	10060	10060	6340	6340
Total length in operation, mm	15750	15750	15480	15480	11900	11900
Total width, mm	2550	2550	2530	2530	2420	2420
Total height in transportation, mm	3600	3600	3970	3970	3340	3340
Rotor shaft type	single shaft	single shaft	single shaft	single shaft	single shaft	single shaft
Conveyor belt speed (max. m/s)	3	3	3	3	3	3
Conveyor width	1000	1000	1000	1000	1000	1000
Discharge & transfer conveyor length (mm)	5480, 7050	5480, 7050	5480, 7050	5480, 7050	- ***	- ***
Conveyor height on operation***	4290	4290	4730	4730	-	-
Integrated scale	x	x	x	x	x	x
Remote control	x	x	option	option	option	option
Maximum velocity (models with tracks)	1,3 km/h	1,3 km/h				
Power						
Motor & efficiency	VEM, IE4 & Doosan D34 3,4 liter, 4 cylinder engine	VEM, IE4 & Doosan D34 3,4 liter, 4 cylinder engine	VEM, IE4	VEM, IE4	VEM, IE4	VEM, IE4
AUX diesel engine (ET only)	- Fulfills Tier 4 final, EU Stage V	- Fulfills Tier 4 final, EU Stage V				
Power rating (SAE J1995) (kW)	2 x 160 kW****/ 2 x 175 kW*****	2 x 160 kW****/ 2 x 175 kW*****	2 x 160 kW****/ 2 x 175 kW*****	2 x 160 kW****/ 2 x 175 kW*****	2 x 160 kW****/ 2 x 175 kW*****	2 x 160 kW****/ 2 x 175 kW*****
Fuel tank litres (ET only)	55	55	-	-	-	-
Electrical connection/earthing	TN-C	TN-C	TN-C	TN-C	TN-C	TN-C
Main fuse size	630 A	630 A	630 A	630 A	630 A	630 A
Rotor drive gears, pcs	2	2	2	2	2	2
Nominal rotor torque, kNm	440	310	440	310	440	310
Infeed hopper						
Loading height (mm)	3170	3170	3400	3400	2296 (without the base)	2296 (without the base)
Volume m3	5	5	5	5	5	5
Shredding tools						
Rotor shredding length, mm	3000	3000	3000	3000	3000	3000
Rotor speed max, rpm	26/28	40	26/28	40	26/28	40
Rotor diameter, mm	920	920	920	920	920	920
Rotor knives, pcs	33 / 44 (option)	33 / 44 (option)	33 / 44 (option)	33 / 44 (option)	33 / 44 (option)	33 / 44 (option)
Counter knives, pcs	23	23	23	23	23	23
Rotor knife type	Bolt-on, reversible knife	Bolt-on, reversible knife	Bolt-on, reversible knife	Bolt-on, reversible knife	Bolt-on, reversible knife	Bolt-on, reversible knife
Rotor knife size, mm	115x70	115x70	115x70	115x70	115x70	115x70

Technical specification D133847, D120111/ 21.05.2025

Weights and measurements are given within normal tolerance limits. The manufacturer reserves the right for any changes.

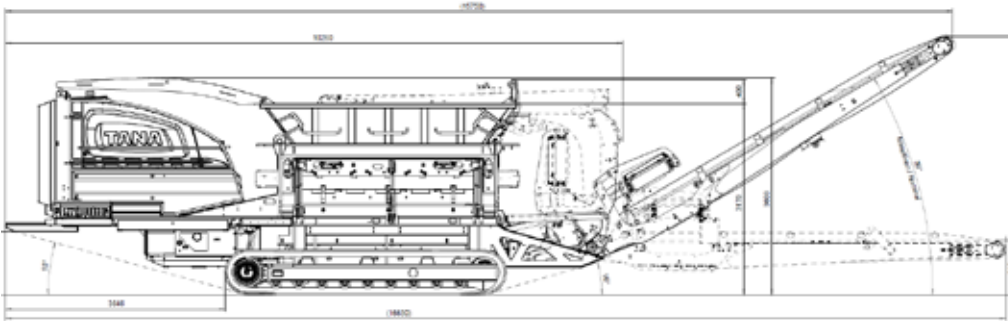
* Operating weight includes the basic machine (fuel tank full)

** When at 30° nominal working angle

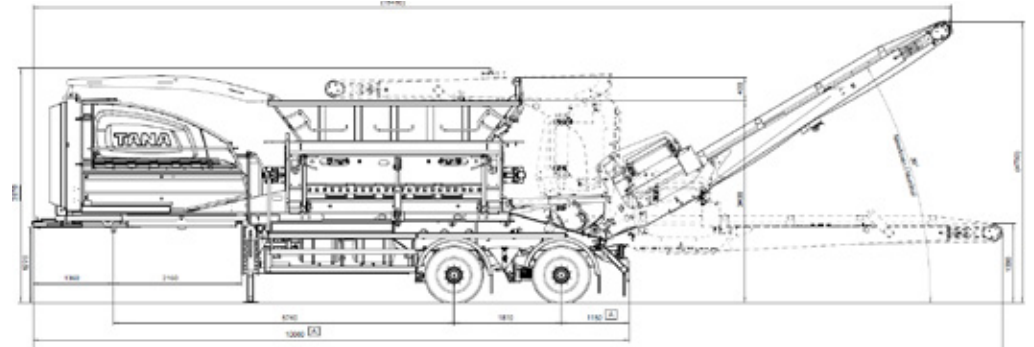
*** Underband, overband or both conveyors sold as an option for the 440E model

**** 50Hz / 400 V ***** 60 Hz / 480 V UL

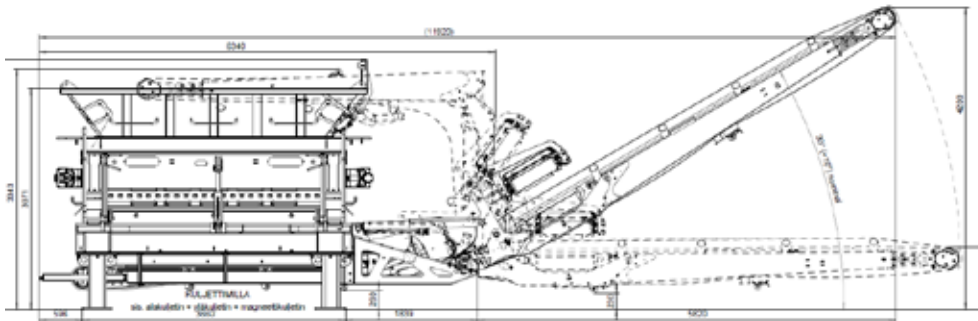
TANA Shark & TANA Hammerhead ET MOBILE WASTE SHREDDER ON TRACK



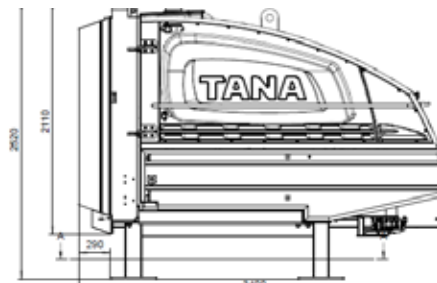
TANA Shark & TANA Hammerhead EM MOBILE WASTE SHREDDER ON SEMI-TRAILER



TANA Shark & TANA Hammerhead E STATIONARY WASTE SHREDDER



POWERPACK





TANA

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