

An aerial photograph of a waste processing facility. In the center, a yellow TANA waste shredder is being loaded with scrap metal by a black excavator. Another yellow TANA shredder is visible to the right. Large piles of scrap metal and shredded material are scattered around the site. The entire scene is framed by a thick orange border.

TANA

TANA WASTE SHREDDERS

TANA FROM WASTE TO VALUE®

One lineup, countless possibilities

Unique versatility

Investing in a TANA shredder opens up a world of possibilities. TANA shredders, the powerful Shark and the agile Hammerhead, are engineered to handle the full spectrum of waste processing challenges. Built on the same robust platform, each model brings its own strengths: the Shark delivers unmatched torque, while the Hammerhead is optimized for high throughput.

With a flexible range of rotors, screen sizes, and platforms, the shredder series adapts to your operational needs. TANA shredder models are available with electric or diesel power.

Ease of use

TANA shredders are easy to adjust—screen changes take just minutes, and non-crushables can be removed via the side wall. The TANA Control System offers 16 presets for different waste types, with a state-of-the-art touchscreen and remote software updates.

The latest UI improves everyday use with clearer diagnostics, easier access to key functions, and intuitive customization, available in multiple languages for global ease of use.

Ease of maintenance

Easy access to all service and maintenance points is one of the most appreciated features of TANA products. In addition to more efficient daily routines, optimal ergonomics maximize uptime. The opening side wall provides access to the rotor and the counter knives making everyday maintenance smooth and easy compared to other players on the market.



EQUIPMENT:
Customize to your needs



STRENGTHS:
Widest range of waste streams

ROTORS:
7 different models

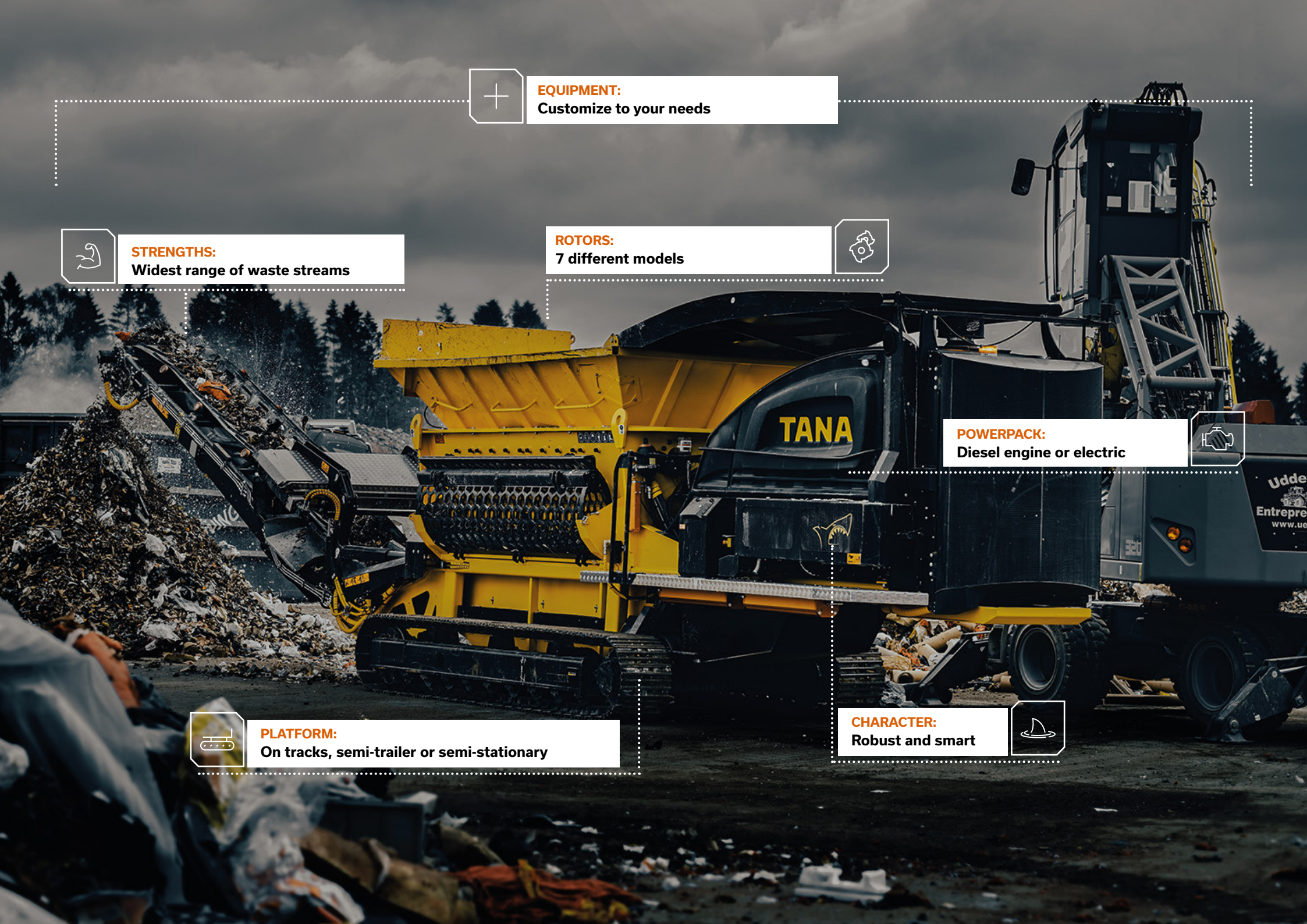


POWERPACK:
Diesel engine or electric



PLATFORM:
On tracks, semi-trailer or semi-stationary

CHARACTER:
Robust and smart



All you need to know

Best adjustability

With TANA you can make even-sized end products. You can adjust the particle size from 50 mm to 500 mm. The right screen size will be determined by the material characteristics and the required end product size.

Largest variety of materials

TANA Shark is ideal for:

- Tyres
- Mattresses
- Industrial debris

TANA Hammerhead is ideal for:

- Green waste
- Light plastics
- Municipal solid waste (MSW)

Suitable for both:

- Commercial and industrial waste (C&I)
- Construction and demolition waste (C&D)
- Other types of special waste and side streams:
Ragger wire, plastics, pallets and waste wood, household waste, furniture, paper, barbed wire, shingles

Material recovery & re-use

Waste can be transformed into valuable raw materials – with the right machine. Material recovery and re-use offer growing business opportunities. Reducing, re-using and recovering waste to manage waste sustainably can be done profitably as a single-step process thanks to Tana's design philosophy.

From waste to energy

Produce alternative fuel like RDF or TDF. The composition of waste streams changes constantly. The waste shredding process needs to be adjustable, as the quality of the source and end material vary. Commercial and industrial waste, tyres, construction and demolition waste, and other types of waste can be crushed one after another.

Most versatile use

- Pre-shredding
- Secondary shredding

Traditional waste shredding process

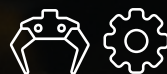
TANA waste shredding process

Particle sizes and waste types

Size Range (mm)	Material Type
200-500 mm	Tyres
100-200 mm	Commercial & industrial waste (C&I)
100-200 mm	Construction & demolition waste (C&D)
100-200 mm	Green waste
50-100 mm	Plastic & Textiles
50-100 mm	Solid recovered fuel (SRF)

Machines

Costs:
Fuel and people



Machines

Costs:
Fuel and people



For the best performance

Bolted cleaning combs

Cleaning combs at the back of the machine also affect the level of even quality of the end product size. Long cleaning combs help in producing a homogeneous particle size. Short combs are a good choice when working with heavily contaminated or difficult to shred materials. Bolt on cleaning combs are convenient to change and maintain.

Electrically controlled hydraulics

The electronic control of the rotor hydraulics allows faster and more precise control over the entire shredding process. TCS optimizes and adjusts the entire system, ensuring the best combination of performance and fuel economy. This way the performance and the capacity of the machine stay in balance with the operating costs at all times, from easily shreddable materials to the most challenging ones.

Power

Choice of two excellent options. Powerful and reliable Cummins diesel engines offer durable and efficient power generation and full mobility for all shredding purposes. Available for all marks in Tier IIIA and Stage V / Tier 4 Final versions.

Electrically driven powerpack offers VEM electric motors coupled together with proven TANA hydraulics for cases where electricity is available. Same performance, lower OPEX, zero CO2 local emissions.

TANA Control System

The TANA Control System (TCS) controls machine operations and automatically stops the machine in case of overloading, for example. TanaConnect® is a useful tool for taking care of timely and correctly scheduled maintenances. Critical alarm notifications may even prevent machine breakdowns.



Flexible operations

By adjusting the configuration 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 also available with a carbide coating for extreme wear resistance.

Protecting your investments

The TANA shredders are powered by a hydrostatic power transmission identical to the one used in TANA landfill compactors. The swing frame system protects the gearbox from overloading and possible damage.

Operational efficiency

Easy access to daily inspection points makes the routines more efficient and maximizes the machine's uptime. The removal of non-crushables is quick and easy through the opening side wall.

Ease of maintenance and service

Easily accessible service points improve ergonomics and save time, both of which are highly appreciated by TANA owners. Service kits including the needed filters and parts for each scheduled maintenance are delivered with TANA machines – convenient, rapid and easy.

Special features of TANA waste shredders



TANA Powerpack

Side-opening engine covers give easy access to service points that are designed to be user-friendly. Service platforms around the machine make daily maintenance more comfortable, efficient and safe.



Innovative swing frame

The innovative swing frame system protects the gearbox and prevents breakdowns.



TANA Control System (TCS)

TANA TCS features a modern touch-screen display module that provides intuitive access to essential functions, clear diagnostics, and easy customization. With 16 preset shredding programs and support for multiple languages, it ensures an optimized and user-friendly operation in any environment.



TanaConnect®

TanaConnect® provides online access to your machine wherever you are. For maximizing machine uptime and optimizing your operations.



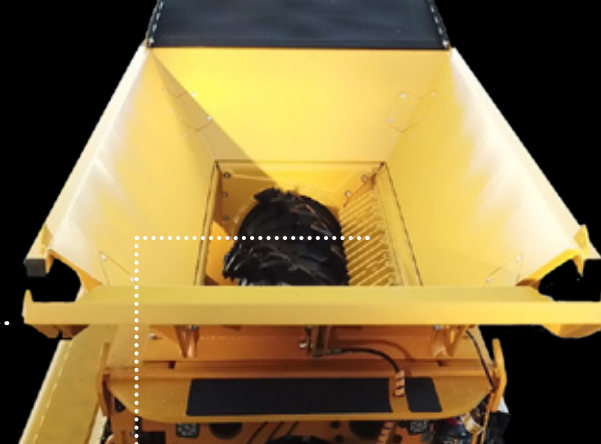


Overband magnet

Separating ferrous metals from the shredded material results in a cleaner end product and additional income. The height and direction can be controlled easily through TCS.



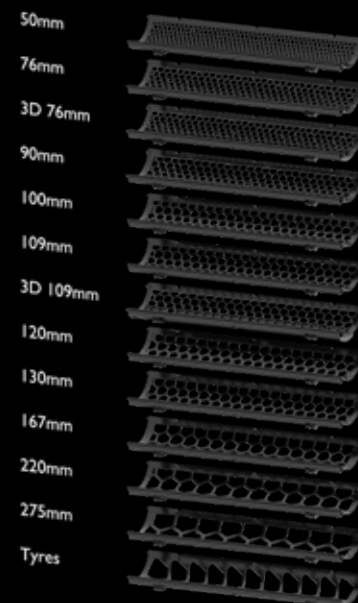
Folding hopper side wall



Bolted cleaning combs



13 different rotor screens



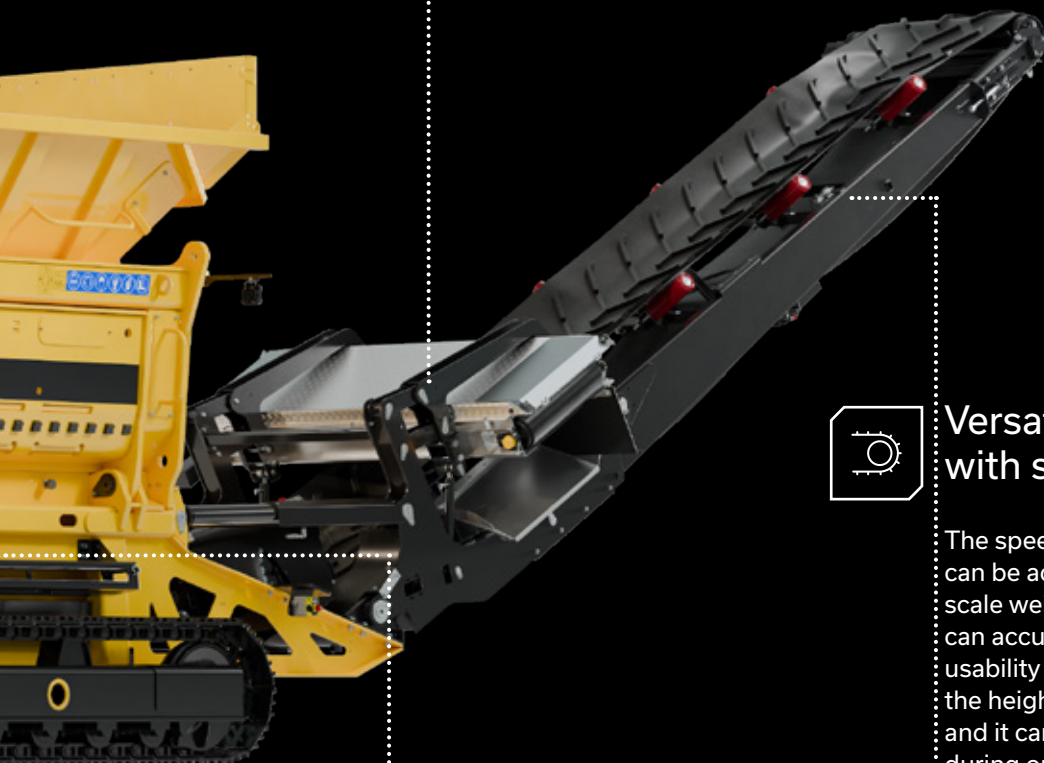
Versatile 2-part conveyor with scale

The speed and direction of each conveyor can be adjusted separately. The conveyor scale weighs the shredded material so you can accurately monitor your process. The usability of the magnet is state of the art – the height of the magnet can be adjusted and it can be turned off and back on again during operation. The direction of the magnet to the left or right can be chosen, which improves flexibility.



Torque and robustness

Exceptional torque combined with a robust structure ensures reliable performance in demanding conditions. The shredder maintains consistent operation under pressure, delivering strength and stability across a wide range of waste processing tasks.



Unique Intelligence

Control system optimizes and controls operation

The TANA Control System (TCS) monitors and controls the machine functions. The operating programs adjust the shredder functions to the optimal level needed for the shredding process in question. It is the key element in controlling operating costs.

Integrated scale collects information

The integrated scale will keep you up to date on the amount of shredded waste. The scale automatically weighs the shredded materials and sends the information to the TanaConnect® information management system. Reports provide an overall understanding of the efficiency of your shredding process.

Track processes in real-time with TanaConnect®

Through TanaConnect® the operation can be followed in real time. Critical alarm notifications help to prevent potential problems, and if something happens, troubleshooting and diagnostics are faster and more accurate, minimizing downtime. As a machine owner you will have control of the machine anywhere and anytime.

TanaConnect® has an integrated information management system that collects real-time and detailed data about the shredding process, amounts of shredded materials and the machine itself.



TanaConnect® is a digital service portal providing all needed information and tools in one place, including a fleet management system, to efficiently operate TANA machines.



The **TANA Control System (TCS)** monitors and controls the machine functions.

Unique versatility

Choose the rotor for your needs.

Available rotors:

- Standard 33
 - Standard 33+
 - Heavy duty 33
 - Heavy duty 33+
 - Standard 44
 - Heavy duty 44
 - Heavy duty 44+
- The plus rotors can withstand up to six times more fatigue making them a safe, long-term choice for heavy applications with intensive wear.
 - The HD rotors offer ease of maintenance in the form of easily replaceable wear plates, which are available as individual pieces of full sets for the entire rotor.
 - 33 knife rotor offers flexibility and suitability for all applications and is meant especially for applications where the infeed material size is bulky or large.
 - 44 knife rotors offer increased performance and capacity in applications where the particle size is controlled with a screen and the infeed material is homogenous.



**Heavy Duty Rotor
C&D**



**Standard Rotor+
C&I**



**Standard Rotor
Wood, green waste, MSW**



**Heavy Duty+ Rotor
Tyres, ragger wire, mattresses**

low wear

high wear

ON TRACKS - DIESEL

The most versatile mobile waste shredder with excellent capacity and productivity. You will get excellent performance with better fuel efficiency, lower machine operating costs and improved usability and serviceability.

EU Stage IIIA/U.S. EPA Tier 3, EU Stage V/U.S. EPA Tier 4(f)

SHARK DT & HAMMERHEAD DT

- Raised frame with more space to guarantee better material flow underneath the rotor
- Integrated scale for staying up to date on the amount of shredded waste
- Bolt-on cleaning combs for easier maintenance
- Magnet conveyor: discharge side selected from TCS + hydraulic magnet adjustment during operation
- Full mobility with tracks - move around by remote control



ON TRACKS - ELECTRIC

SHARK ET & HAMMERHEAD ET

- Full mobility - drives on diesel, shreds on electricity
- Effortless use of auxiliary power
- Less noise and zero emissions
- Quick couplings for power grid



SEMI-TRAILER - DIESEL

Easy to move. Choose diesel or 6 dB quieter electric engine with zero emission. TANA shredder's efficiency and unique versatility provide TANA owners with opportunities to increase profits and reduce costs.

EU Stage IIIA/U.S. EPA Tier 3 Diesel, EU Stage V/U.S. EPA Tier 4(f)

SHARK D & HAMMERHEAD D

- Integrated scale for staying up to date on the amount of shredded waste
- Standard frame (no raised frame)
- Bolt-on cleaning combs for easier maintenance
- Magnet conveyor improvements: discharge side selected from TCS + hydraulic magnet adjustment during operation



SEMI-TRAILER - ELECTRIC

SHARK EM & HAMMERHEAD EM

- Electric semi-trailer TANA shredder offers the same versatility and reliability as its diesel equivalent, while being more ecofriendly in terms of emissions and noise.
- It provides a sustainable process with low operations costs, cleaner site and safer working environment.
- Easy and safe access to power grid is guaranteed with quick couplings



STATIONARY - ELECTRIC

Stays put and guarantees zero emissions. Less noise. TANA's exceptional reliability, efficiency and productivity.

SHARK E & HAMMERHEAD E

- Electricity boosts the productivity while providing low operating and maintenance costs
- Easy and safe access to power grid is guaranteed with quick couplings
- Magnet conveyor rotation direction can be chosen
- Multiple different setup options to precisely match your requirement:

Shredding unit + powerpack

Shredding unit + powerpack + lower conveyor

Shredding unit + powerpack + lower & upper conveyor

Shredding unit + powerpack + lower & upper conveyor + magnet





DIESEL MODELS

General information	SHARK DT	HAMMERHEAD DT	SHARK D	HAMMERHEAD D
Operating weight, kg *	30200 / 30400	30200 / 30400	27300 / 27500	27300 / 27500
Total length in transportation, mm**	10260	10260	10270	10270
Total length in operation, mm	15750	15750	15680	15680
Total width, mm	2550	2550	2530	2530
Total height in transportation, mm	3600	3600	3950	3950
Rotor shaft type	single shaft	single shaft	single shaft	single shaft
Conveyor belt speed (max. m/s)	3	3	3	3
Conveyor width	1000	1000	1000	1000
Discharge & transfer conveyor length (mm)	5480, 7050	5480, 7050	5480, 7050	5480, 7050
Conveyor height on operation***	4290	4290	4720	4720
Integrated scale	x	x	x	x
Remote control	x	x	option	option
Maximum velocity (models with tracks)	2,5 km/h	2,5 km/h		
Power				
Motor & efficiency	Cummins X15 Tier 3, EU Stage IIIA or Tier 4 final, EU Stage V	Cummins X15 Tier 3, EU Stage IIIA or Tier 4 final, EU Stage V	Cummins X15 Tier 3, EU Stage IIIA or Tier 4 final, EU Stage V	Cummins X15 Tier 3, EU Stage IIIA or Tier 4 final, EU Stage V
Power rating (SAE J1995) (kW)	399	399	399	399
Displacement (l) & number of cylinders	15 - 6	15 - 6	15 - 6	15 - 6
Fuel tank (litres)	720	720	755	755
Urea tank (eco-models only)	56	56	56	56
Rotor drive gears, pcs	2	2	2	2
Nominal rotor torque, kNm	440	310	440	310
Infeed hopper				
Loading height (mm)	3170	3170	3400	3400
Volume m3	5	5	5	5
Shredding tools				
Rotor shredding length, mm	3000	3000	3000	3000
Rotor speed max, rpm	28	40	28	40
Rotor diameter, mm	920	920	920	920
Rotor knives, pcs	33 / 44 (option)	33 / 44 (option)	33 / 44 (option)	33 / 44 (option)
Counter knives, pcs	23	23	23	23
Rotor knife type	Bolt-on, reversible knife	Bolt-on, reversible knife	Bolt-on, reversible knife	Bolt-on, reversible knife
Rotor knife size, mm	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 stationary model

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

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.

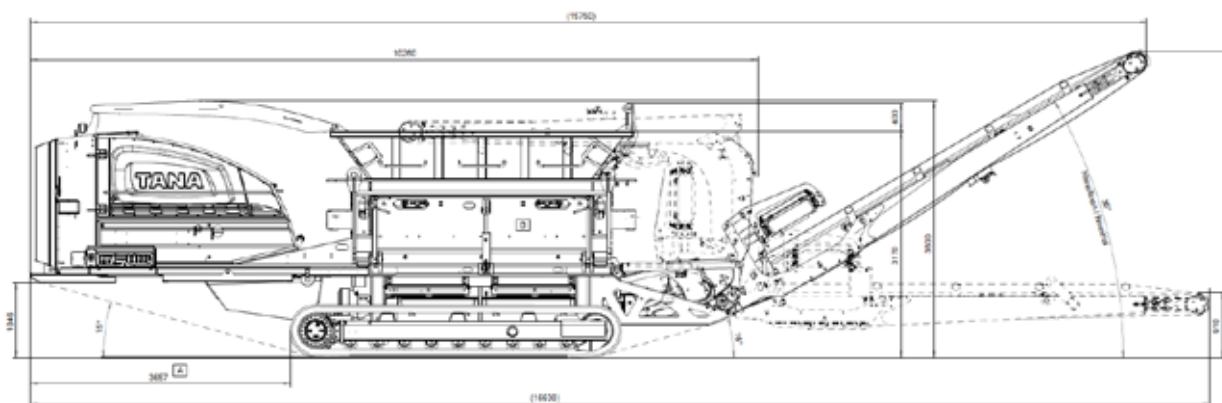
* Operating weight includes the basic machine (fuel tank full)

** 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

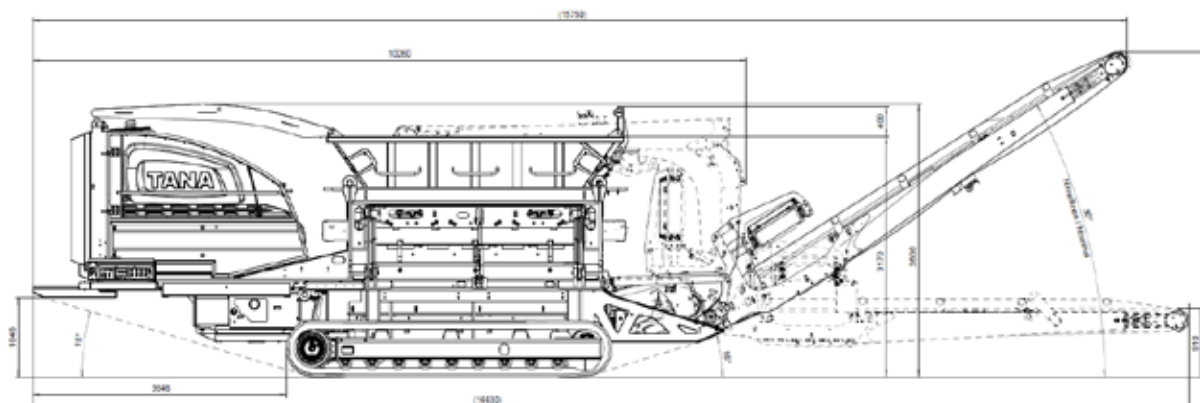
Technical dimensions



DT

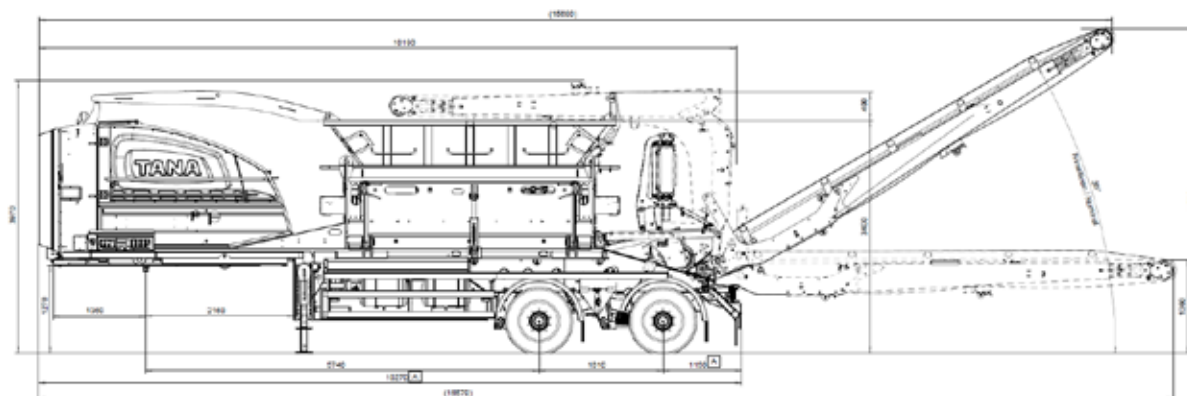
EU Stage IIIA/U.S. EPA Tier 3
Diesel

EU Stage V/U.S. EPA Tier 4(f)
Diesel



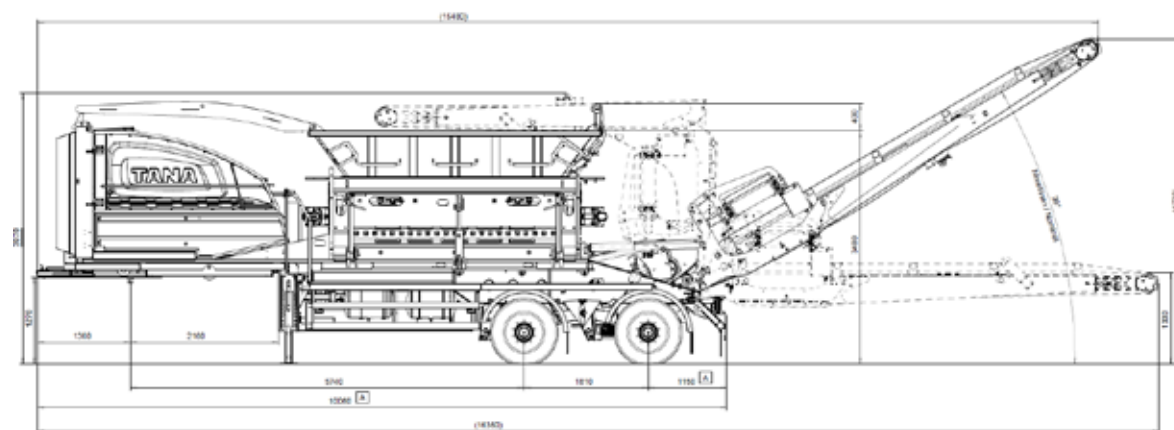
ET

Electric



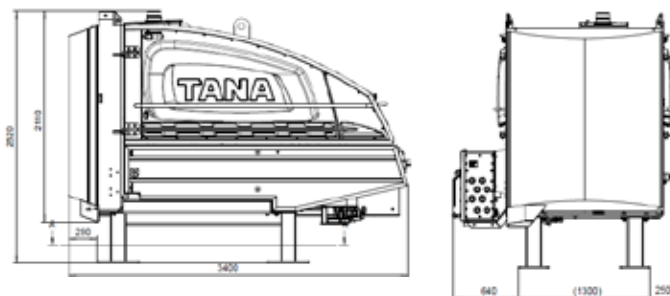
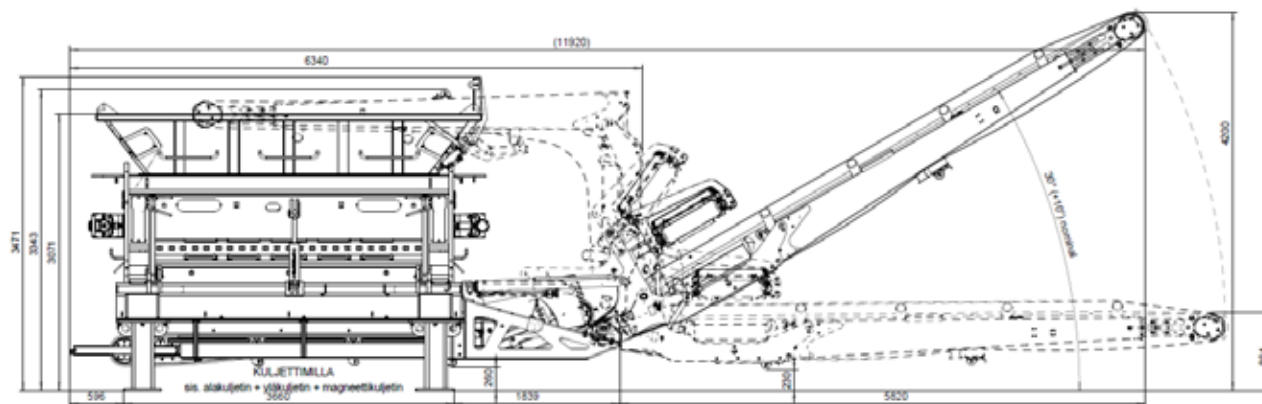
D

EU Stage IIIA/U.S. EPA Tier 3
Diesel
EU Stage V/U.S. EPA Tier 4(f)
Diesel



EM

Electric



E
Electric

We are here for you.

We know our responsibility and machines

Tana Oy is an environmental technology company that promotes sustainable development by providing smart equipment and solutions for solid waste management. It is a matter of honor for us that our customers share the feeling of confidence. We put serious effort into proactive maintenance because we want to keep our promise. We ensure that the Authorized Tana Distributors around the world have the best tools for taking excellent care of Tana customers.

1970

The beginning

The first purpose build landfill compactor with two full-width iron drums was manufactured for an exhibition in Hannover.

1995-2006

Brave decisions and actions

Waste management changed and new solutions were needed. The first slow speed shredder was introduced in 2006.

2008

Intelligence

We wanted to be one step ahead with IoT and decided to equip our machines with intelligence. TANA ProTrack® was launched.

2025

Evolving vision

To deliver maximum value to our customers by offering the best fit-for-purpose mobile waste equipment and local life cycle services.



The TANA logo is positioned at the top left of the page. It consists of the word "TANA" in a bold, white, sans-serif font. The letter "A" is stylized with a small orange triangle above it. The entire logo is set against a dark background of a cloudy sky.

TANA

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TANA FROM WASTE TO VALUE®