

TANA

TANA RAVEN DISC SCREEN

TANA FROM WASTE TO VALUE®

RAVEN X550T

TANA

All you need, in one modular package

Unique versatility

The TANA Raven X550T disc screen, by default, screens material into two fractions — oversize and undersize. When configured for three-fraction screening, it further screens material into oversize, undersize, and fines for even more precise results. This versatility is enabled by Tana's patented modular screening table, which consists of four interchangeable modules, allowing quick adjustments to achieve different particle sizes.

Ease of use

The TANA Raven Disc Screen is equipped with the smart TANA Control System (TCS). The system detects jams and can reverse the machine when needed. The system also allows users to store different programs for processing various materials. Real-time data monitoring through TCS ensures optimized performance and helps reduce downtime.

Ease of maintenance

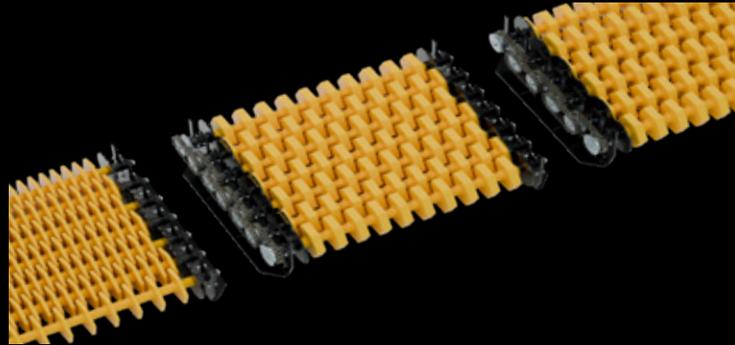
Easy access to all service and maintenance points is one of the most appreciated features of TANA products. In addition to more efficient daily routines, optimal ergonomics maximize uptime. The side panels can be raised for cleaning and maintenance and to gain access to the modular screening deck for changing the particle size setting.



TanaConnect® digital portal is included in the TANA Raven disc screen. A live machine overview provides detailed insights into machine condition and performance.

TanaConnect® enables real-time fleet management, keeping users consistently up to date with key information, including:

- Machine health information
- Production reports
- Machine alarms
- Machine events
- Machine service information
- TANA documents



A key feature of the TANA Raven disc screen is its patented modular screening deck, which allows for quick adjustments to the desired particle size in just 30 minutes.

The smart anti-wrapping system combines TANA's patented screening discs with the advanced automation of the TANA Control System (TCS), which detects jams and adjusts operation accordingly. Material-specific programs allow customization of the anti-wrapping process, optimizing performance based on the material being processed. This seamless integration enhances efficiency, simplifies maintenance, and reduces costs for our customers.

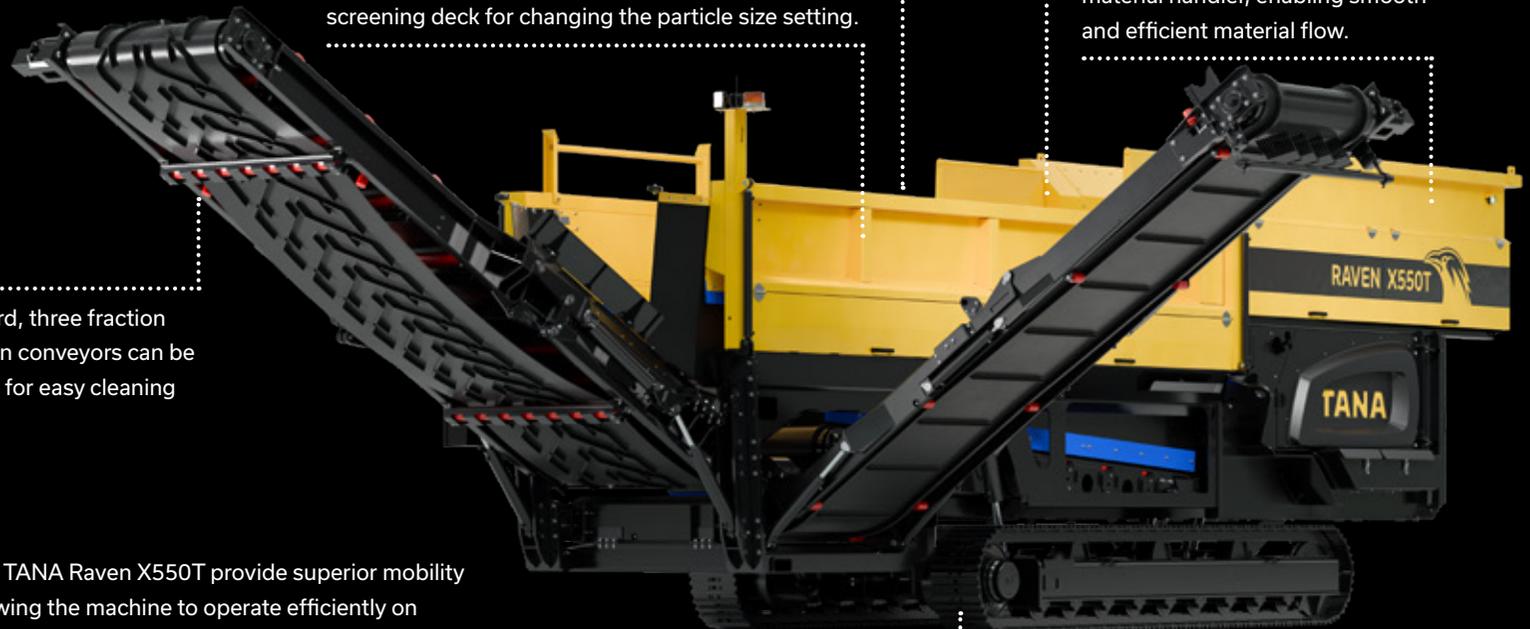
User friendly interface with Tana Control System (TCS). Full coverage control system for efficient and easy process control and machine protection.

The side panels can be raised for cleaning and maintenance and to gain access to the modular screening deck for changing the particle size setting.

A large hopper designed for easy loading with a wheel loader or material handler, enabling smooth and efficient material flow.

Two fraction screening as standard, three fraction screening as an option. All fraction conveyors can be lowered into a horizontal position for easy cleaning and maintenance.

The tracks on the TANA Raven X550T provide superior mobility and stability, allowing the machine to operate efficiently on uneven terrain and in challenging work environments.



TANA RAVEN DISC SCREEN

Mobile disc screen with superior throughput and high speed. All you need in one modular package.

X550T

Diesel

- Patented TANA screening discs – maximum performance with minimal wrapping
- Available with two-fraction or three-fraction screening - customize to match your needs.
- Modular screening deck – easy cleaning and maintenance
- TanaConnect® – to adjust and fine tune process easily





RAVEN X550T

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TECHNICAL SPECIFICATION

General information

Operating weight, kg	22300-24300
Total length in transportation, mm	10660
Total length in operation, mm	13970
Total width in transportation, mm	2650
Total width in operation, mm	6070-9270
Total height in transportation, mm	3410
Total height in operation, mm	3750

Feeding

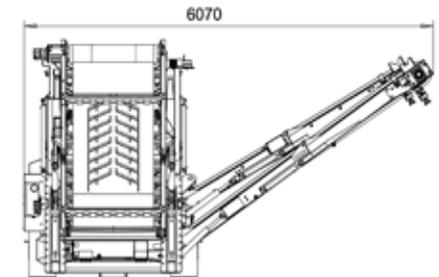
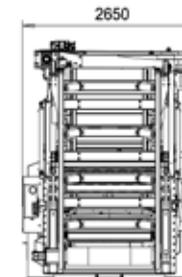
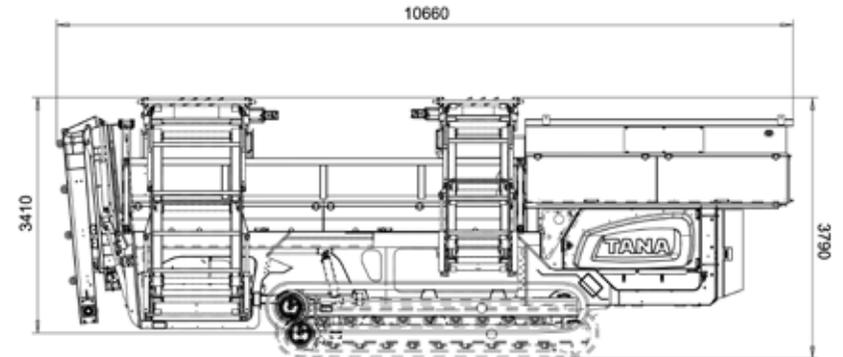
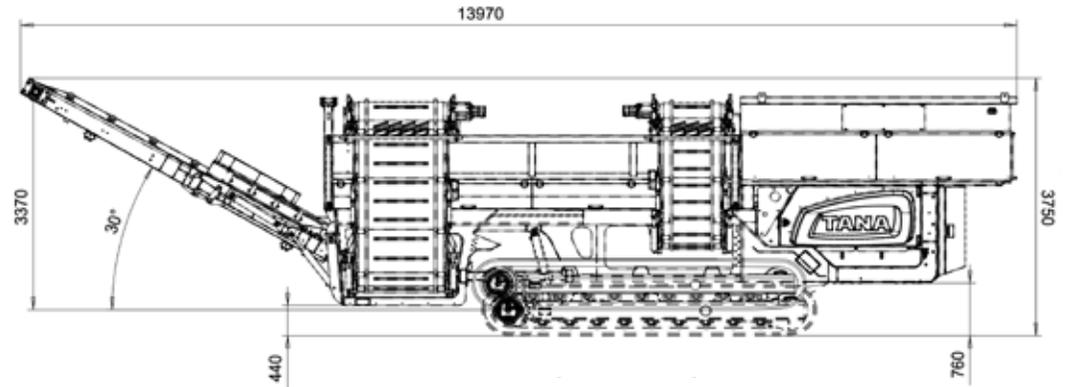
Size of material hopper	4m ³
Adjustable machine height, mm	371
Adjustable machine inclination	± 6°
Loading height, mm	3100-3470

Screening deck

Total length, mm	5350
Total width, mm	1470
Total screening surface, m ²	8 m ²

Powerpack

Power generation:	Doosan D34	
Rated power	100 kW (135 bhp)@2600 rpm (SAE J 1995)	
Maximum torque	500 Nm (369 bhp)@1400 rpm (SAE J 1995)	
Rated output	100 kW (135 bhp)@2600 rpm (SAE J 1995)	
Emission	EU Stage V	
Optional power generation (screening only):	Induction motor	
Rated output	75 kW	
Input voltage	400V / 50 Hz	
Nominal current	141 A	
Smallest fuse size	160 A	



Technical specification D1319430 / 11.03.2025

Weights and measurements are given within normal tolerances limits. The manufacturer reserves the right for any changes. Dimensions stated may vary depending on machine settings and options.

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.

TANA

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