TANA Disc Screen X553T

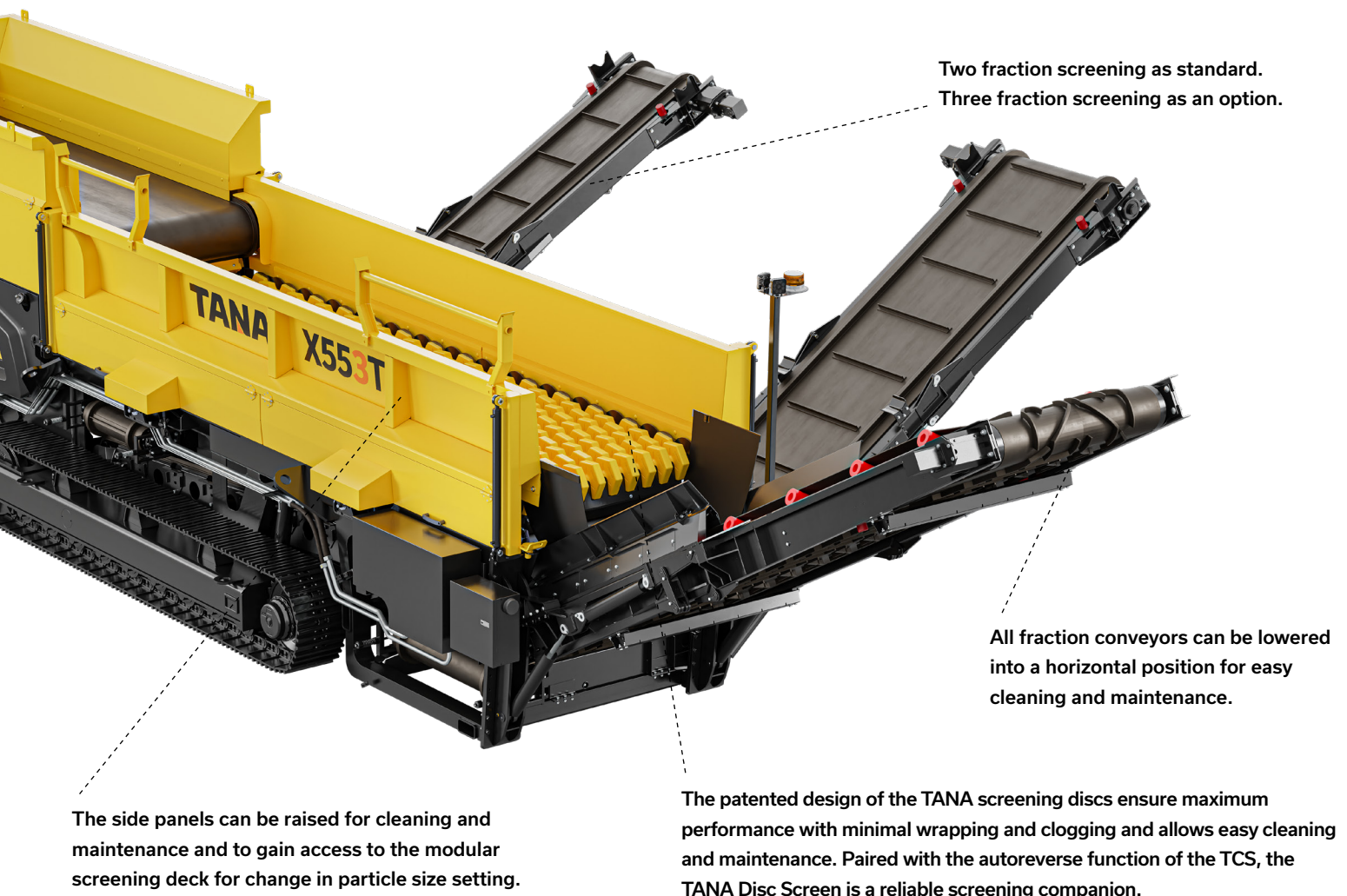## Getting more out of an investment is interesting. Not just the machine.

TANA

All you need.
In one modular package.

Thanks to its easy adjustability and the unique intelligence behind it, the TANA Disc Screen is the most versatile screening solution. The machine with its modular screening deck design can be easily configured for two or three fraction screening based on the customers' needs. With the TANA disc sreen the screening process can easily be optimized based on materials, feeding methods and process requirements.

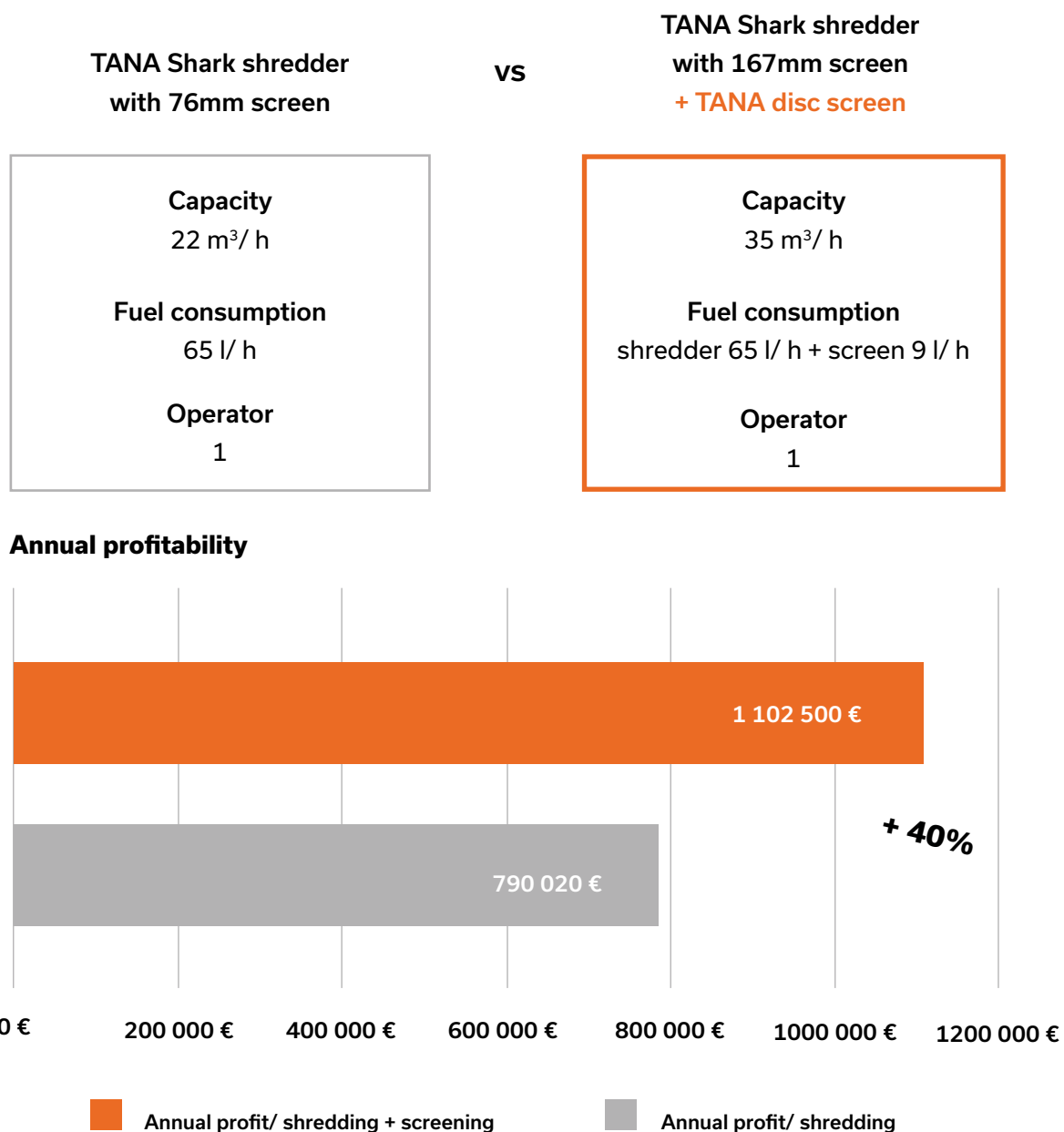The TANA disc screen is equipped with a new version of the proven and well-known TANA Control System (TCS). There are pre-set screening programs for a variety of different process materials which can be adjusted and finetuned for maximum process optimization. The programs can be configured, for example, by adjusting the disc deck rotation speed steplessly, the inclination angle of the entire screening area, and the auto-reverse function parameters for smooth and continuous operation. The fraction conveyors are equipped with scale systems that provide mass flow data on the screening process to easily monitor the whole process and the fractions. This data is available both in the TCS display and in the TANA ProTrack® system.

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

The patented design of the TANA screening discs ensure maximum performance with minimal wrapping and clogging and allows easy cleaning and maintenance. Paired with the autoreverse function of the TCS, the TANA Disc Screen is a reliable screening companion.

The TANA Disc screen is screening solution for pre-treated waste materials from which large and heavy contaminants are removed. The most common reasons for screening are for example:

- producing a certain particle size for recycling and/or incineration processes
- improving quality in terms of particle size and cleanliness (RDF / SRF)
- removal of inert inorganic fines

Possible business case: processing C&I waste

TANA Shark shredder with 76mm screen	VS	TANA Shark shredder with 167mm screen + TANA disc screen
Capacity 22 m³/ h		**Capacity** 35 m³/ h
Fuel consumption 65 l/ h		**Fuel consumption** shredder 65 l/ h + screen 9 l/ h
Operator 1		**Operator** 1

Annual profitability

1 102 500 €

790 020 €

+ 40%

0 €   200 000 €   400 000 €   600 000 €   800 000 €   1000 000 €   1200 000 €

■ Annual profit/ shredding + screening   ■ Annual profit/ shredding

Assumptions:

Gate fee: 80€/ ton	Screening costs: 7€/ ton	C&I waste equivalent --> 1 m³ = 0,35 tons
Shredding costs: 15€/ ton	Logistics: 8€/ ton	Annual operating hours: 1800 h
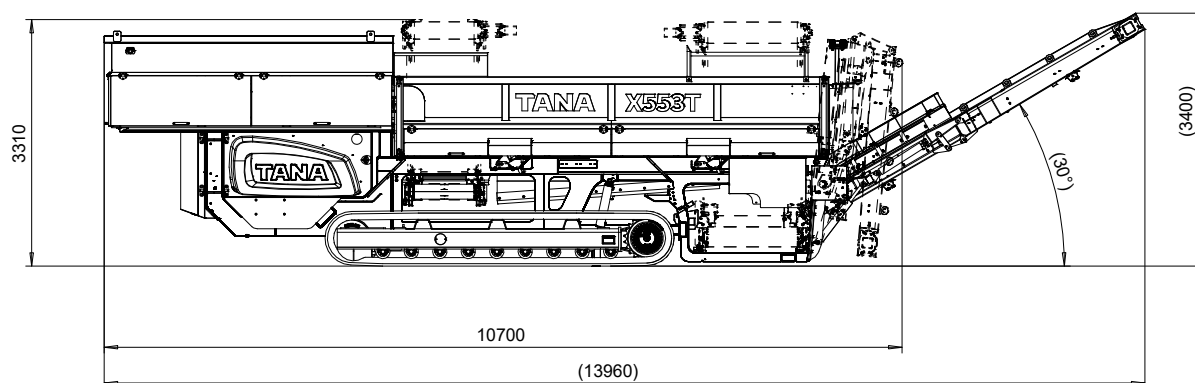
GENERAL INFORMATION AND MAIN DIMENSIONS

Dimensions	X552T	X553T
Operating weight	21 500 kg*	22 000 kg*
Total length in transportation	10 700 mm	10 700 mm
Total length in operation	13 960 mm**	13 960 mm**
Total width in transportation	2 510 mm	2 510 mm
Total width in operation	6 110 mm***	6 110 - 9 710 mm***
Total height in transportation	3 110 mm	3 110 mm
Total height in operation	3 080 - 3 690 mm****	3 080 - 3 690 mm****
Feeding		
Size of feeding hopper	4 m^3	4 m^3
Adjustable machine height	x	x
Adjustable machine inclination	x	x
Loading height	3 000 - 3 500 mm	3 000 - 3 500 mm
Screening		
Number of produced fractions	2	3
Oversize	x	x
Undersize	x	x
Fine grain	-	x
Modular screening deck (pat. pend.)	x	x
No. of undersize/oversize screening modules	4	3
No. of fine grain screening modules	-	1
Screening discs (pat. pend)	Tana	Tana
Powerpack		
Power generation	Diesel engine + hydraulics	Diesel engine + hydraulics
Emission	Tier 4 Final, EU Stage V	Tier 4 Final, EU Stage V
Optional power generation (screening only)	Electric motor + hydraulics	Electric motor + hydraulics

* Dimension may vary depending on screening module settings and other options.

** Dimension may vary depending on conveyor angle. Value given with nominal conveyor angles.

*** Dimension may vary depending on conveyor angle and conveyor setup. Value range given with nominal conveyor angles.

**** Dimension may vary depending on machine elevation, machine inclination and conveyor angle. Value given with max. elevation, 0° inclination and nominal conveyor angles.

Tana Oy
P.O. Box 160,
Schaumanin puistotie 1
FI-40101 Jyväskylä, Finland

Tel. +358 20 7290 240
mail@tana.fi
www.tana.fi

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