

Unique versatility & intelligence

TANA Disc Screen X553T

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

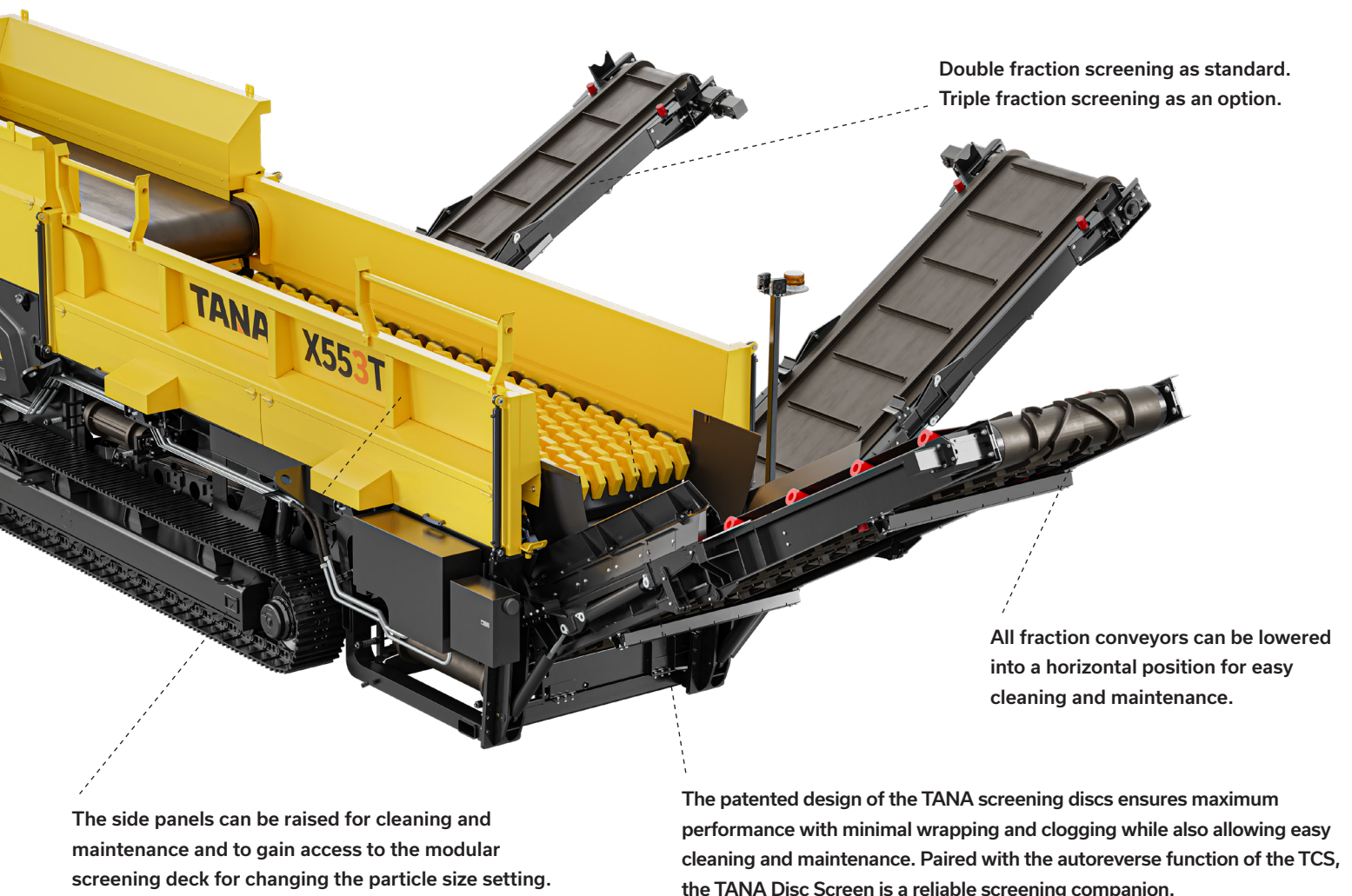


All you need. In one modular package.

Thanks to its easy adjustability and the unique intelligence behind it, the TANA Disc Screen is the most versatile screening solution. With its modular screening deck design, the machine can be easily configured for two or three fraction screening based on the customer's needs. With the TANA Disc Screen, the screening process can be easily 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

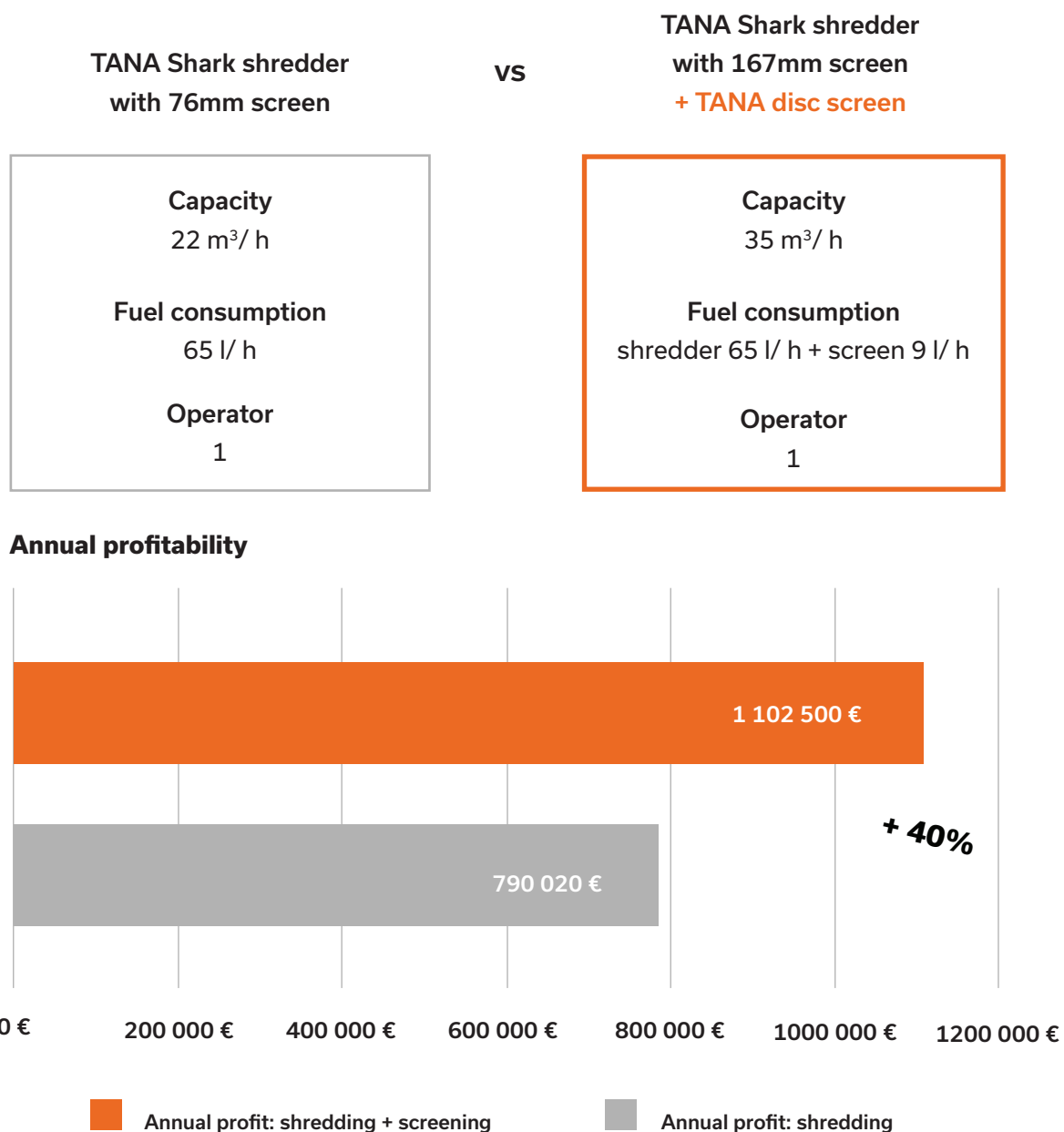
screening programs for different process materials which can be adjusted and finetuned for maximum process optimization. The programs can be configured, for example, by adjusting the disc deck rotation speed steplessly, the inclination angle of the entire screening area, and the auto-reverse function 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.



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

- To produce a certain particle size for recycling and/or incineration processes
- To improve quality in terms of particle size and cleanliness (RDF / SRF)
- To remove inert inorganic fines

Possible business case: **processing C&I waste**



Assumptions:

Gate fee: 80€/ ton

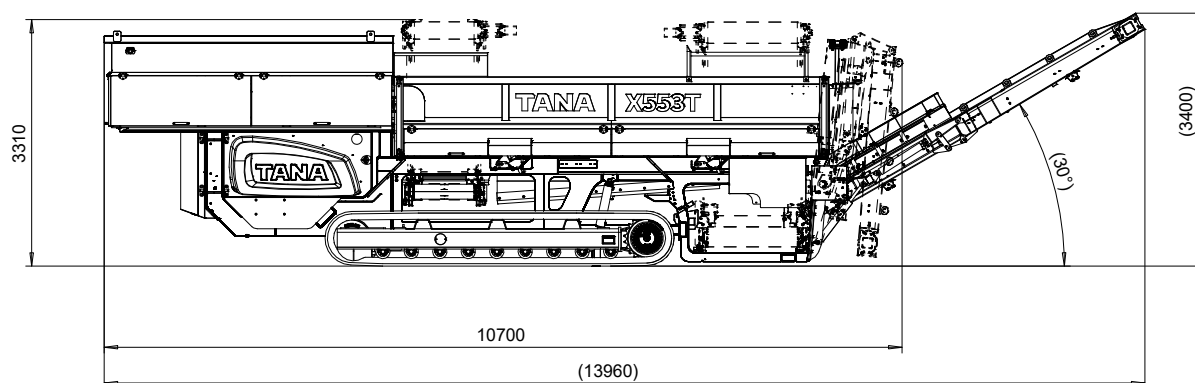
Shredding costs: 15€/ ton

Screening costs: 7€/ ton

Logistics: 8€/ ton

C&I waste equivalent --> 1 m³ = 0,35 tons

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 - 9710 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.

Weights and measurements are given within normal tolerances. The manufacturer reserves the right to alter the above as necessary. Technical details are valid for the proto unit and they can be partially different in serial production.