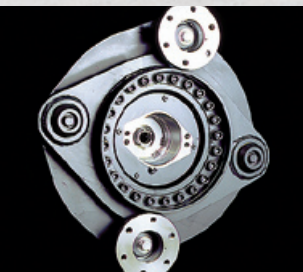


# SHARK

# 220DT 440DT

# On Tracks

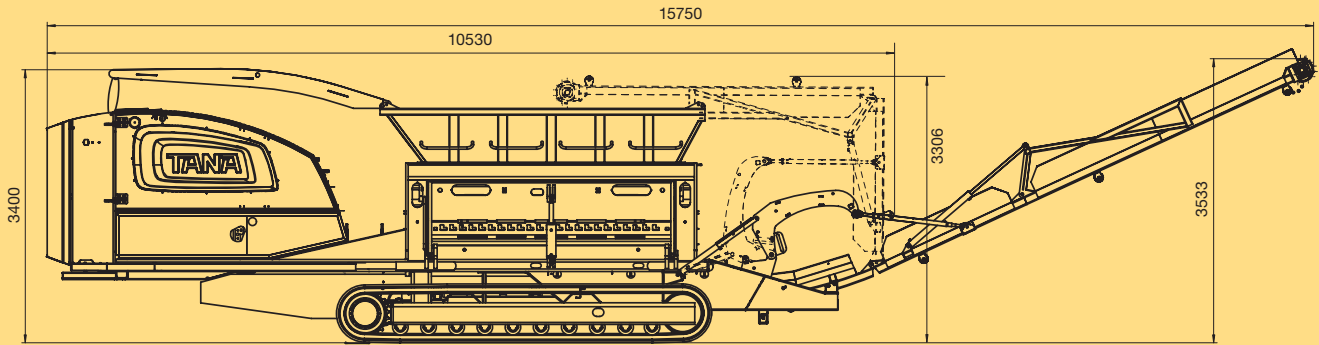


### Unique Versatility – suitable for shredding of

- Municipal solid waste
- Tires and wires
- Bulky waste: e.g. mattresses, pieces of furniture
- Waste wood
- Construction and demolition waste
- Plastics
- Packaging waste
- Green waste
- Railway sleepers
- Hard and tough special materials; e.g. carpets of paper machine, kraft paper

Track mounted version for smooth mobility at challenging on-site conditions.  
Track width 500 mm each. Maximum speed 2 km per hour.

# SHARK 220DT & 440DT **Unique Versatility**



## General information

Operating weight	220DT 29 000 kg, 440DT 32 000 kg
Total transportation length	10 530 mm
Total length in operation	15 750 mm
Total width	2 830 mm
Total transportation height	3 400 mm
Material feeding opening	1 400 x 3 060 above the shredder unit
Feeding height	2 960 mm
Outlet from the belt	880 x 3 060 below the shredder unit
Belt discharge height	3 533 mm
Engine	Caterpillar C15
Rated power output	403 kW (540 bhp)@2 100 rpm, SAEJ 1995
No of hydraulic cylinders	6
Aspiration	Turbocharger and intercooler
Cooling	Liquid
Fuel tank	740 l

Power transmission	Hydrostatic with stepless and automatic speed control
Pumps	Rexroth, 2 pieces – variable displacement axial piston pumps with electrical proportional control
Motors	Rexroth, 2 pieces variable displacement plug-in motors
Final drives	Lohmann + Stolterfoht, 220DT 2 x 110 kNm, total torque 220 kNm 440DT 2 x 220 kNm, total torque 440 kNm

## Shredding tools

Rotor shredding length	3 000 mm
Rotor speed	max. 30 rpm
Rotor diameter	220DT 870 mm, 440DT 920 mm
Rotor knives	220DT 22 pcs, 440DT 33 pcs
Counter knives	23 pcs

## General description

TANA Shark on tracks is a hydraulically driven, diesel engine powered, single shaft, low speed mobile shredder. Tracks ensure good on-site mobility in challenging conditions. Its diesel engine and hydrostatic transmission are controlled by Tana Control System (TCS) control unit. It also protects the machine from overloading, overheating and damage caused by non-crushable material.

## Unique versatility

TANA Shark is suitable for the shredding of most reusable, recyclable and recoverable materials. The purpose may be volume reduction, renewable energy fuel production or recyclable material production.

The key to productivity is the machine's versatility. It is able to handle materials from domestic waste to waste wood, from plastics to cardboard and it can be used either as pre-shredder or making the required particle size, in one phase.

## Rotor and cutting knives

Tana Shark shreds material by cutting. The rotor configuration is a uniquely designed counter-twist. The cutting knives are reversible and made of highly wear-resistant material. There is a special rotor carrier assembly (pat. pend) protecting against possible damage in gearboxes.

## Adjustable screen

The rotor to screen clearance has a major impact on the overall functioning of the shredder. If the gap is too wide the capacity decreases and may eventually cause screen clogging. In Tana Shark this clearance can be finetuned for a 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 the counter knives can be adjusted and they have two wearing surfaces.

## TANA Pro Track

An Internet based wireless connection to the shredders control system minimizes downtime by enabling immediate troubleshooting and technical support. It also provides automatic reports on the operational costs of the machine. Reporting is available as option.

A variety of options available, e.g.:

- Electric fuel refill pump
- Engine air-intake pre cleaner
- Extension to conveyor
- Reversible fan
- Rubber pads
- Screen transport rack

Weights and measurements are given within normal tolerances. Manufacturer reserves the right to alter the above as necessary. Revised print October 2010.

# TANA

From Waste to Value