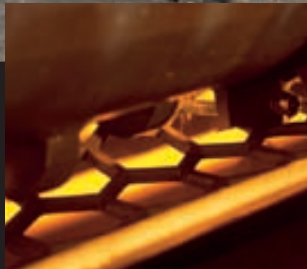


# SHARK

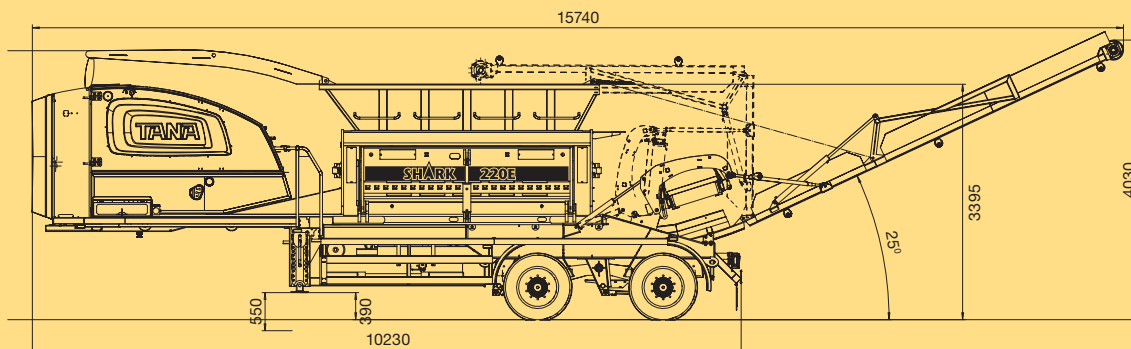
# 220D 440D

# Mobile Shredder



## 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



## General information

Operating weight	220D 24 000 kg, 440D 27 000 kg
Total transportation length	10 530 mm
Total operation length	15 740 mm
Total width	2 520 mm
Total transportation height	3 880 mm
Material feeding opening	1400 x 3060 above the shredder unit
Feeding height	3 395 mm
Outlet from the belt	880 x 3060 below the shredder unit
Belt discharge height	4 030 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	750 l

Power transmission	Hydrostatic with stepless and automatic control of speed
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, 220D 2 x 110 kNm, total torque 220 kNm 440D 2 x 220 kNm, total torque 440 kNm

## Shredding tools

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

## General description

TANA Shark 220D and 440D are hydraulically driven, diesel engine powered, single shaft, low speed mobile shredders. Their diesel engine and hydrostatic transmission are controlled by TANA Control System (TCS) control unit, which 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 220D and 440D 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 trouble-shooting 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.:

- Reversible fan
- Hydraulic support legs
- Screen transport rack
- Electric fuel refill pump
- Engine air-intake pre cleaner
- Extension to conveyor

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

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# TANA

From Waste to Value