

PRODUCT
SPECIFICATION

 **TEREX®**

 **ECOTEC**

TWT 500

WINDROW TURNER



GREEN PERFORMANCE IN ALL ASPECTS

- ✓ **ECONOMY**
- ✓ **TECHNOLOGY**
- ✓ **QUALITY**

The TWT 500 raises turning to a new level and is the ideal windrow turner for operators who want to turn great volumes of material quickly in confined spaces.

With air-conditioned cabin, auxiliary cooling and protective ventilation the TWT 500 is perfect for indoor operation with high ambient temperatures. The full rotor allows windrows to be processed against walls and the high windrows allow a greater volume of material to be packed within the shed. Unlike conventional tunnel machines no travel paths are required, due to the design of the TWT 500 windrows can be processed closer together reducing the yard space required.

Scooping gently instead of milling, the TWT 500 ensures that the coarse-grained structure of the material is retained, and as a result more oxygen can get in. The patented inline system with stacking side conveyor ensures maximum material mixing, aeration and loosening, giving up to 20% shorter rotting times.

And most importantly, the TWT 500 can easily process overlapping windrows resulting in up to 30% space saving

Key Features:

- Ideal for indoor application due to auxiliary cooling and air-conditioned cabin with protective ventilation
- Turning capacity up to 2,800 m³ per hour; windrows of up to 3 m in height and 5 m in width can be processed optimally
- Up to 30 % space saving due to overlapping windrows and materials
- Patented ECO system for better mixing, aeration and loosening of the material; up to 20 % shorter rotting times save fuel, time and operating costs
- Side stacking conveyor which can discharge to the left or right (option)
- A simple, robust, low-maintenance system

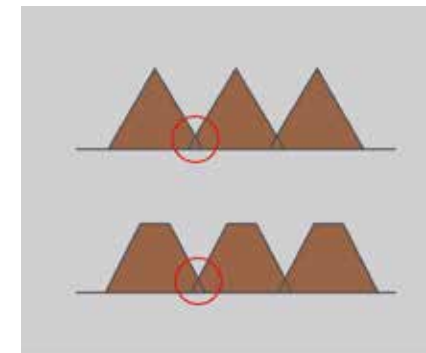
ECO IN DESIGN, TECHNOLOGY, FORM & FUNCTION

An organic unit for easy working, high efficiency and constant quality.



Both indoors or outdoors:

The TWT 500 is an all-rounder being able to stack triangular and trapezoidal windrows in such a way that 30% of space can be saved.



Space saving in operation, economical in result.

The TWT 500 doesn't require any travelling paths and achieves highest throughputs.



Patented rotor system for excellent digesting and aeration.

Gentle turning, better mixing and increased oxygenation - reduces rotting times and saves fuel.



Spacious cabin, ergonomically designed with ventilation & air conditioning:

A modern, productive, and safe workplace.



Service-friendly, clean and self-explanatory.

All service and maintenance points are easily accessible.



The TWT 500 is a complete system. Intelligent adaptations provide best results:

- Side stacking left and right (option)
- Irrigation system
- Bacteria inoculation system

INDUSTRIAL TURNING PERFORMANCE

for triangular and trapezoidal windrows.

Terex Ecotec's TWT 500 Windrow Turner is designed and manufactured for efficient and effective compost turning duties.

The unique material handling system ensures unrivaled aeration and product mixing, reduced decomposition times and increased productivity.

Superior operator comfort, excellent visibility and features such as Auto Pilot ensure the TWT 500 exceeds customers' requirements.

Applications include:

- Mechanical-biological waste treatment (MBT)
- Digestate treatment
- Sludge treatment
- Compost
- Contaminated soil
- Paper sludge
- Residues from palm oil production

An optional extra is the side stacking conveyor which can discharge to the left or right, saving time and increasing efficiency.

Depending on the needs, a 4-metre rotor or 5-metre rotor can be used.

TECHNICAL DATA

TWT 500		
Main data		
Concept	Self-propelled turning machine with patented 'ECO' material handling system.	
Range of Applications		
Suitable for:	Mechanical biological waste treatment (MBT), digestate treatment, sludge treatment, compost, contaminated soil, paper sludge, residues from palm oil production, others on request	
Form of Windrows	Triangular and trapezoidal windrows	
Maximum Grain Size	300 mm	
Engine data		
Engine	Volvo TAD853VE	Volvo TAD873VE
Output	320 HP / 235 kW	320 HP / 235 kW
Emission Standards	Tier 3A	Tier 4 Final
Exhaust System	N/A	SCR AdBlue, without particulate filter (optional)
Cooling	Fluid, reversible fan	
Diesel Tank	430 litres	
Electrical Installation	24 VDC	
Drive		
Turning Roll (Hydrostatic Drive)	0 – 140 rpm forward and reverse	
Cabin		
Cabin Lifting Mechanism	Cabin can be lifted 0.5 m	
Air-Conditioning	Standard	
Protective Ventilation	Activated carbon filter, particle filter, and filter for suspended particles	
Mobility		
Running Gear	Rubber track gear with steel reinforcement	
Speed	0 – 4 km/h	
Machine main data		
Dimensions (width x length x height)	2,550 x 3,960 x 3,400 mm	
Weight	10,000 kg	
Conveyor Belt (length x width)	4,150 x 2,000 mm	
Options		
4 m Rotor		
Throughput up to [m³/h]	2,800	
Dimensions (width x length x height)	4,340 x 1,760 x 2,555 mm	
Weight	3,200 kg	
5 m Rotor		
Throughput up to [m³/h]	2,800	
Dimensions (width x length x height)	5,310 x 1,885 x 2,620 mm	
Weight	3,800 kg	
Side stacking left / right		
Throughput up to [m³/h]	1,300	
Dimensions (width x length x height)	5,790 x 2,540 x 3,350 mm	
Weight	2,550 kg	
Central lubrication, special paint (var. RAL colours), irrigation trolley, irrigation header, bacteria inoculation system, video orientation system, other options on request		

With you every step of the way

We work with our customers to understand their equipment needs to select the product most suited to their business requirements. Terex Ecotec customer support incorporates a range of services including parts, technical support, warranty and financial services.



Terex Ecotec has a full inventory of genuine Terex parts through our global support locations and dealer network. We are committed to getting the right parts delivered at the right time. Using genuine Terex parts ensures optimum performance and reliability.



Terex Ecotec warrants its new equipment to be free of defects in material or manufacture for a specified period from the date the equipment is first used.



Terex Ecotec provide highly qualified service personnel to ensure that we have the ability to provide technical support when our customers need it. This support is provided in conjunction with our dealer network. We ensure our customers are supported throughout the lifecycle of their machine.



Terex Ecotec are able to offer finance solutions to our customers. Our team of finance professionals know the importance of working closely with customers to understand their unique business challenges as well as their financial goals and requirements. Obtaining financing is often a time-consuming task, so we work hard to provide a reliable, flexible and responsive service.





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