

WINDROW
TURNER

TWT 500



The Green Business Class:

Green performance in every respect.
Economy, technology, quality.

For all operators who want to turn great volumes of material quickly in confined spaces: the TWT 500 raises turning to a new level.

It is designed for indoor operation, high ambient temperatures and highest surface area productivity. Due to an air-conditioned cabin, auxiliary cooling, and protective ventilation it is a real indoor pro that will also deliver highest turning rates outdoors. It doesn't need any travelling paths as required for conventional tunnel machines. It'll make its way on its own—through all kinds of material.

Scooping gently instead of milling, it ensures that the coarse-grained structure of the material is retained, and, as a consequence, more oxygen can get in: a patented process for better aeration, ideal mixing, loose re-stacking of the row, shorter rotting times and less odour development.

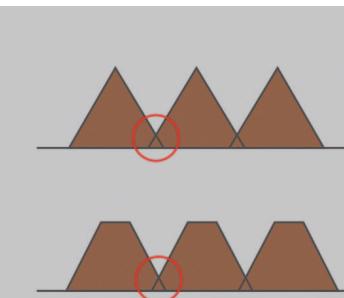
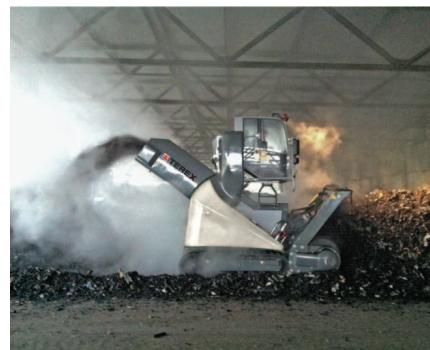
And most importantly, the TWT 500 can easily process overlapping windrows—even tabular ones. Thus up to 30 % of the surface area can be saved. A class of its own: The Green Business Class.

Terex Environmental Equipment 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 stacking; for all windrow types 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 left and right (option)
- ▶ A simple, robust, low-maintenance system.

ECO design in technology, form, and function:

An organic unit for easier working, highest efficiency, and constant quality.



Both indoors or outdoors:
the ECO is a real all-rounder being able to stack triangular, trapezoidal and tabular windrows in such a way that 30 % of space can be saved.

Space-sparing in operation, area economical in the result.
The ECO doesn't need any travelling paths and achieves highest throughputs.

Patented rotor system for excellent digesting and aeration.
Gentle turning, better mixing and increased oxygenation—this reduces rotting times and saves fuel.



Spacious cabin, ergonomically optimized design, protective ventilation, and air conditioning: a modern, productive, and safe workplace in the Green Business Class.

Service-friendly, clean, and self-explanatory. All service and maintenance points are easily accessible.

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

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

Industrial turning performance

for all triangular, trapezoidal and tabular windrows and material types.

Only if a machine is versatile, flexible and reliable to produce quality, it can be applied to ensure economic and lasting success. Featuring these very amenities, the windrow turner TWT 500 of Terex Environmental Equipment has long since become a standard in its class. For all material types such as:

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

**Optionally for especially efficient and time-saving working adapted to local conditions:
side stacking left or right.**

Depending on the needs, a 4-meter rotor, a 5-meter rotor, or the universally applicable tabular windrow rotor can be used.



TECHNICAL DATA

TWT 500	
Main data	
Concept	self-propelled turning machine, patented concept "ECO" material handling through the machine on conveyor belt
Range of application	
Suitable for the following materials	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 / tabular windrows
Maximum grain size	300 mm
Engine data	
Engine	John Deere 6090 HF
Output	328 hp / 242 kW
Emission standards	Tier 3A
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-conditioner	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)	2550 x 3650 x 3400 mm
Weight	8200 kg
Conveyor belt (length x width)	4150 x 2000 mm
Options	
4 m rotor	
Throughput up to [m³/h]	2800
Dimensions (width x length x height)	4340 x 1760 x 2555 mm
Weight	3200 kg
5 m rotor	
Throughput up to [m³/h]	2800
Dimensions (width x length x height)	5310 x 1885 x 2620 mm
Weight	3800 kg
T-shaped rotor	
Throughput up to [m³/h]	2500
Dimensions (width x length x height)	4690 x 2480 x 3090 mm
Weight	6200 kg
Side stacking left / right	
Throughput up to [m³/h]	1300
Dimensions (width x length x height)	5790 x 2540 x 3350 mm
Weight	2550 kg
Central lubrication, bio hydraulic oil, special paint (var. RAL colours), irrigation trolley, irrigation header, bacteria inoculation system, video orientation system, other options on request	

Subject to change without notice.

NOTES

CUSTOMER SUPPORT



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

Parts

TEE 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.

Technical Support

TEE 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 works for you.

Warranty

TEE 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 Financial Services

Financial Solutions Made Easy

TEE 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.



NIJVERDAL

Fuutweg 6
7442 CL Nijverdal
Netherlands

Tel: +31 548 37 49 06

DUNGANNON

200 Coalisland Road
Dungannon, Co Tyrone
BT71 4DR Northern Ireland

Tel: +44 (0) 28 87 718 500
Fax: +44 (0) 28 87 747 231

Dealer Stamp:

LINZ

Actualstraße 32
4053 Haid
Austria

Tel: +43 7229 780000

NEWTON

22 Whittier Street, Newton
New Hampshire, US, 03858

Tel: +1 (603) 382 0556

www.terex.com/environmental-equipment

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