

**Vermeer**



## **TROMMEL SCREEN LINE**







# Get more out of your daily grind with Vermeer

Whether you're just entering the composting market or are experienced and looking to grow your operation, Vermeer, with its recent acquisition of Wildcat Mfg. Co., Incorporated, makes it easier to capitalize on the market opportunities. We offer rugged, reliable equipment that can help you quickly and efficiently process organic waste into quality end product.

Our trommel screens ensure that ground material is screened and separated thoroughly, then placed where you need it. They are designed to minimize setup time, and with an extensive list of options, they can be manufactured to fit your specific needs.

Additionally, Vermeer horizontal and tub grinders offer outstanding grinding performance and innovative features that optimize efficiency and safety. Our elevating-face and drum-style compost turners maximize windrow aeration, helping speed decomposition, thereby increasing facility productivity.

All of our organic waste recycling equipment is backed by the dedicated support of your local Vermeer dealer, providing training, parts and service every step of the way.

Trommel Screen

**Vermeer®**  
By **WILDCAT™**

## TR510

The TR510 by Wildcat is a self-contained, portable screening plant designed for the organic and wood-waste industries and is ideal for composting, recycling or topsoil reclamation. With its 49-hp (36.5 kW) engine, 5'-diameter (1.5 m) drum and 5-cu-yd (3.8 m<sup>3</sup>) hopper, the TR510 can produce up to 65 cu yd (49.7 m<sup>3</sup>) of consistent, quality material per hour with minimal spillage.

The hopper is not only one of the largest in its class, but its low infeed height decreases loading cycles and eliminates the need for loading ramps with most loaders. The hopper's steep sidewalls and large throat opening helps keep material from bridging.

### TR510 Specifications

#### General Dimensions

Weight: 23,000 lb (10,433.6 kg)  
Hitch weight: 5700 lb (2585.5 kg)  
(weights will vary with options)  
Length (transport): 29.3' (8.9 m)  
Width (transport): 92" (233.7 cm)  
Height (transport): 13.4' (4.1 m)  
Length (operational): 50' (15.2 m)  
Width (operational): 92" (233.7 cm)  
Height (operational): 11.3' (3.4 m)

#### Capacity

65 cu yd (49.7 m<sup>3</sup>) per hr with .5" (1.3 cm) screens installed and material with moisture less than 40%

#### Engine

Make and model: John Deere PE 4024T Tier 3  
Cylinders: 4  
Engine rating: 49 hp (36.5 kW) @ 2800 rpm 129 ft-lb (174.9 Nm) of torque @ 1500 rpm  
Fuel consumption: 2.4 gph (9.1 L/h) under most operating conditions

#### Hopper and Apron Conveyor

Hopper capacity: 5 cu yd (3.8 m<sup>3</sup>)  
Hopper height: 6.8' (2.1 m) from ground level at operating incline  
Apron conveyor rollers: 4" diameter (10.2 cm) (8)

#### Screen Drum

Diameter: 5' (1.5 m)  
Length: 11' (3.4 m)

#### Fines Conveyor

Conveyor belt width: 36" (91.4 cm)  
Conveyor belt type: 220 lb (99.8 kg), 2-ply, 3/16" x 1/16" (4.8 mm x 1.6 mm)  
Conveyor belt stacking height: 13' (4 m)

#### Overs Conveyor

Max variable overs belt speed: 144 fpm (43.9 m/min)  
Conveyor belt width: 36" (91.4 cm) wide with raised crescent  
Conveyor belt type: 220 lb (99.8 kg), 2-ply, 3/16" x 1/16" (4.8 mm x 1.6 mm)  
Conveyor belt stacking height: 3' - 10' (.9 m - 3 m)

*Production rates will vary with moisture content, maintenance, operator experience, site preparation among other factors.*

*For a complete list of specifications, visit [vermeer.com](http://vermeer.com).*

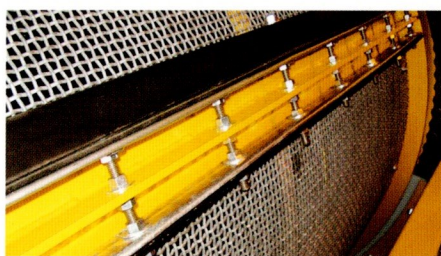




# TR516

Built for optimal screening efficiency, the TR516 by Wildcat is an outstanding performer for composting, recycling or topsoil reclamation. The TR516 boasts a 66-hp (49.2 kW) engine, along with a 5'-diameter (1.5 m) drum and 5 cu yd (3.8 m³) hopper. Combine these with .5" (1.3 cm) screens and material moisture content below 40 percent, and the TR516 can produce up to 100 cu yd (76.5 m³) of material per hour.

As with our other units, the TR516 features the largest hopper in its class, standard impact idlers and tensioned screens for added strength, user-friendly controls, and shielding for minimal spillage.



*Our exclusive tensioned-screen panels — manufactured by Wildcat, and available on all trommel screen line models — add strength to the panel and accommodates the installation of smaller-diameter wire when the material allows. This increases production capacity and minimizes sticking, enabling wetter material to be processed.*



## TR516 Specifications

### General Dimensions

Weight: 33,980 lb (15,413.1 kg)  
 Hitch weight: 15,800 lb (7,166.8 kg)  
 (weights will vary with options)  
 Length (transport): 38' (11.6 m)  
 Width (transport): 102" (259.1 cm)  
 Height (transport): 13.4' (4.1 m)  
 Length (operational): 78.3' (23.9 m)  
 Width (operational): 102" (259.1 cm)  
 Height (operational): 15.9' (4.9 m)

### Capacity

100 cu yd (76.5 m³) per hr with .5" (1.3 cm) screens installed and material with moisture less than 40%

### Engine

Make and model: John Deere PE 4024T Tier 3  
 Cylinders: 4  
 Engine rating: 66 hp (49.2 kW) @ 2800 rpm 163 ft-lb (221 Nm) of torque @ 1600 rpm  
 Fuel consumption: 2.4 gph (9.1 L/h) under most operating conditions

### Hopper and Apron Conveyor

Hopper capacity: 5 cu yd (3.8 m³)  
 Hopper height: 9.5' (2.9 m) from ground level at operating incline  
 Apron conveyor impact rollers: 6" diameter (15.2 cm) (13)

### Screen Drum

Diameter: 5' (1.5 m)  
 Length: 15' (4.6 m)

### Fines Conveyor

Conveyor belt width: 36" (91.4 cm)  
 Conveyor belt type: 220 lb (99.8 kg), 2-ply, 3/16" x 1/16" (4.8 mm x 1.6 mm)  
 Conveyor belt stacking height: 14.5' (4.4 m) with drum at 4°

### Overs Conveyor

Max variable overs belt speed: 111 fpm (33.8 m/min)  
 Conveyor belt width: 36" (91.4 cm) wide with raised crescent  
 Conveyor belt type: 220 lb (99.8 kg), 2-ply, 3/16" x 1/16" (4.8 mm x 1.6 mm)  
 Conveyor belt stacking height: 3' – 11' (.9 m – 3.4 m)

*Production rates will vary with moisture content, maintenance, operator experience, site preparation among other factors.*

*For a complete list of specifications, visit [vermeer.com](http://vermeer.com).*

# TR516Tx

If your organic or wood-waste recycling takes you into hard-to-reach areas or onto uneven terrain, then the TR516Tx by Wildcat is the trommel screen for you. Its self-propelled, remote-controlled, tracked undercarriage allows the TR516Tx to work hard and productively virtually anywhere.

The TR516Tx features a 79-hp (58.9 kW) engine, 5'-diameter (1.5 m) drum and a 5-cu-yd (3.8 m³) hopper — the largest hopper in its class. Complete with its conveyors for fines and overs, the TR516Tx can produce up to 100 cu yd (76.5 m³) of material per hour. As with our other units, the TR516Tx features removable side panels for easy access, maintenance and cleaning.



## TR516Tx Specifications

### General Dimensions

Weight: 50,000 lb (22,679.7 kg)  
 Length (transport): 38' (11.6 m)  
 Width (transport): 102" (259.1 cm)  
 Height (transport): 12.6' (3.8 m)  
 Length (operational): 78.3' (23.9 m)  
 Width (operational): 102" (259.1 cm)  
 Height (operational): 15.1' (4.6 m)

### Capacity

100 cu yd (76.5 m³) per hr with .5" (1.3 cm) screens installed and material with moisture less than 40%

### Engine

Make and model: John Deere 5030HF Tier 3  
 Cylinders: 5  
 Engine rating: 99 hp (73.8 kW) @ 2800 rpm 253 ft-lb (353 Nm) of torque @ 1400 rpm  
 Fuel consumption: 2.8 gph (10.6 L/h) under most operating conditions

### Hopper and Apron Conveyor

Hopper capacity: 5 cu yd (3.8 m³)  
 Hopper height: 9.5' (2.9 m) from ground level at operating incline  
 Apron conveyor impact rollers: 6" diameter (15.2 cm) (13)

### Screen Drum

Diameter: 5' (1.5 m)  
 Length: 15' (4.6 m)

### Fines Conveyor

Conveyor belt width: 36" (91.4 cm)  
 Conveyor belt type: 220 lb (99.8 kg), 2-ply, 3/16" x 1/16" (4.8 mm x 1.6 mm)  
 Conveyor belt stacking height: 15.5' (4.7 m) with drum at 4°

### Overs Conveyor

Conveyor belt width: 36" (91.4 cm) wide with raised crescent  
 Conveyor belt type: 220 lb (99.8 kg), 2-ply, 3/16" x 1/16" (4.8 mm x 1.6 mm)  
 Conveyor belt stacking height: 3' – 10' (.9 m – 3 m)

*Production rates will vary with moisture content, maintenance, operator experience, site preparation among other factors.*

*For a complete list of specifications, visit [vermeer.com](http://vermeer.com).*



# TR521

The TR521 Tier 4i (Stage IIIB) trommel screen by Wildcat is specifically designed for topsoil with high moisture content, processing wet material with consistent results. Screen enhancements to the drum enable quicker and simpler change out and tensioned screens allow for increased overall open screen area.

The revamped TR521 with wireless remote control offers intelligence to the machine for operational setting control and enhances safety by allowing the operator to monitor from a loader cab or distant location. With its 110 hp (82 kW) engine, 5' diameter (1.5 m) drum and a 5 cu yd (3.8 m³) hopper, and the TR521 is capable of producing up to 150 cu yd (114.7 m³) of consistent, quality material per hour.



## TR521 Specifications

### General Dimensions

Weight: 39,700 lb (18,007.6 kg)  
 Hitch weight: 13,400 lb (6078.1 kg)  
 Length (transport): 46.5' (14.2 m)  
 Width (transport): 102" (259.1 cm)  
 Height (transport): 13.1' (4 m)  
 Length (operational): 86' (26.2 m)  
 Width (operational): 102" (259.1 cm)  
 Height (operational): 15.9' (4.9 m)

### Capacity

150 cu yd (114.7 m³) per hr with .5" (1.3 cm) screens installed and material with moisture less than 40%

### Engine

Make and model: Cummins 3.3L Tier 4i (Stage IIIB)  
 Cylinders: 4  
 Engine rating: 110 hp (82 kW) with a max torque of 277-306 ft-lb (371-415 Nm)  
 Fuel consumption: 2.8 gph (10.6 L/h) under most operating conditions

### Hopper and Apron Conveyor

Hopper capacity: 5 cu yd (3.8 m³)  
 Hopper height: 9.5' (2.9 m) from ground level at operating incline  
 Apron conveyor rollers: 6" diameter (15.2 cm) (13)

### Screen Drum

Diameter: 5' (1.5 m)  
 Length: 21' (6.4 m)

### Fines Conveyor

Conveyor belt width: 36" (91.4 cm)  
 Conveyor belt type: 220 lb (99.8 kg), 2-ply, 3/16" x 1/16" (4.8 mm x 1.6 mm)  
 Conveyor belt stacking height: 14.5' (4.4 m) with drum at 4°

### Overs Conveyor

Max variable overs belt speed: 290 fpm (88.4 m/min)  
 Conveyor belt width: 36" (91.4 cm) wide with raised crescent  
 Conveyor belt type: 220 lb (99.8 kg), 2-ply, 3/16" x 1/16" (4.8 mm x 1.6 mm)  
 Conveyor belt stacking height: 3' – 10' (.9 m – 3 m)

*Production rates will vary with moisture content, maintenance, operator experience, site preparation among other factors.*

*For a complete list of specifications, visit [vermeer.com](http://vermeer.com).*

# TR626

The TR626 by Wildcat is the largest screening plant in the trommel screen line. With its 6'-diameter (1.8 m) drum, 7.5-cu-yd (5.7 m³) hopper and 125-hp (93.2 kW) engine, the TR626 can generate up to 200 cu yd (152.9 m³) of material per hour.

Loading and processing organic and wood waste is quicker and more efficient, thanks to the unit's low hopper infeed height and large throat opening. The impressive 72.5'-long (22.1 m) optional radial fines conveyor can rotate 200 degrees to allow you to stockpile large amounts of material without moving the unit. As with our other machines, the TR626 features user-friendly controls and removable side panels for easy access, maintenance and cleaning.



## TR626 Specifications

### General Dimensions

Weight: 49,700 lb (22,543.5 kg)  
 Hitch weight: 16,680 lb (7565.9 kg) (weights will vary with options)  
 Length (transport): 54.5' (16.6 m)  
 Width (transport): 105" (266.7 cm)  
 Height (transport): 13.4' high (4.1 m)  
 Length (operational): 84.4' (25.7 m)  
 Width (operational): 105" (266.7 cm)  
 Height (operational): 15.9' (4.9 m)

### Capacity

200 cu yd (152.9 m³) per hr with .5" (1.3 cm) screens installed and material with moisture less than 40%

### Engine

Make and model: John Deere 4045H Tier 3  
 Cylinders: 4  
 Engine rating: 125 hp (93.2 kW) @ 2400 rpm, 355 ft-lb (481.3 Nm) of torque @ 1500 rpm  
 Fuel consumption: 3.5 gph (13.2 L/h) under most operating conditions

### Hopper and Apron Conveyor

Hopper capacity: 7.5 cu yd (5.4 m³)  
 Hopper height: 9.5' (2.9 m) from ground level at operating incline  
 Apron conveyor impact rollers: 4" diameter (10.2 cm) (14)

### Screen Drum

Diameter: 6' (1.8 m)  
 Length: 26' (7.9 m)

### Fines Conveyor

Conveyor belt width: 36" (91.4 cm)  
 Conveyor belt type: 220 lb (99.8 kg), 2-ply, 3/16" x 1/16" (4.8 mm x 1.6 mm)  
 Conveyor belt stacking height: 16.6' (5.1 m) with drum at 4°

### Overs Conveyor

Max variable overs belt speed: 144 fpm (43.9 m/min)  
 Conveyor belt width: 48" (121.9 cm) wide with raised crescent  
 Conveyor belt type: 220 lb (99.8 kg), 2-ply, 3/16" x 1/16" (4.8 mm x 1.6 mm)  
 Conveyor belt stacking height: 3' – 10' (.9 m – 3 m)

*Production rates will vary with moisture content, maintenance, operator experience, site preparation among other factors.*

*For a complete list of specifications, visit [vermeer.com](http://vermeer.com).*