

# ASPHALT PAVER

**Features:**

- ▶ Exclusive Frame Raise System
- ▶ Unique Three-point Suspension System
- ▶ Custom-engineered Fume Recovery
- ▶ Heavy-duty Slat Conveyor and Auger System
- ▶ Two drive system options: Rubber Tire or Rubber Track
- ▶ Tier 4 interim emissions compliant diesel engine

**WORKS FOR YOU.™**

# ACHIEVE HIGHER QUALITY

The Terex® CR500 Tier 4 Series pavers deliver a high level of mat smoothness, operating reliability and machine performance. The paving equipment line has more than 20 patented features and sets the industry standard for mat quality.

The exclusive Frame Raise, Three-point Suspension and Smartrac™ systems give you what you need to lay the smoothest mats mile after mile.

The heavy-duty CR500 Series pavers deliver high-production mainline paving with widths reaching 30 ft (9.1 m). With the choice of rubber tire or rubber track drive systems, you will have the right paver for virtually any paving application. Contractors can choose from the diesel or electric, hydraulically variable Stretch 20®, the electric VersaScreed 210 or diesel or electric Fastach® 10 screeds for the smoothest finish in the business.

The CR500 series is equipped with a 260 hp (194 kW) Cummins Tier 4i compliant diesel engine and is designed to provide power specifically for the demands of mainline paving. These high production pavers feature the largest receiving hopper in their class. The CR500 series paver's standard delivery systems feature a heavy-duty slat bar and offset pitch link roller chain for increased uptime. The CR500 series paver includes improvements to the cooling and hydraulic systems, hopper load capacities and operator comfort. Terex pavers feature a high degree of parts commonality from series-to-series and model-to-model, which helps reduce service and repair time.

Step up to the top level of asphalt pavers for improved performance and reliability. Step up to a CR500 Tier 4 Series paver.

## PATENTED FRAME RAISE SYSTEM

- Simple rear frame height adjustment
- Prevents damage to paver components
- Easy loading and on-site maneuverability
- Maintains uniform head of material

Only Terex CR500 series asphalt pavers offer the patented Frame Raise System. Activated by a console-mounted switch, this exclusive system raises the rear of the paver via hydraulic cylinders for greater ground clearance of the paver's screed, spreading augers and frame.

Frame Raise also offers easier paver loading and unloading, increases on-site maneuverability and greatly reduces the possibility of damage to critical paver components. It also enables the paver operator to fine-tune the head of material at the screed by adjusting spreading auger height.

## PATENTED THREE-POINT SUSPENSION SYSTEM

- Reduces stress on mainframe
- Maintains a uniform head of material
- Provides superior traction
- Enhances front-wheel assist



All CR500 Series pavers feature our patented Three-point Suspension system, which uses hydraulic cylinders to essentially “float” the paver over irregularities in the subbase. The suspension system isolates paver drive system movements from the rest of the paver.

Three-point Suspension allows for independent up/down rear drive movement which is designed to optimize the paver's drive system by delivering more uniform wheel/track loading for increased tractive effort.

The system also aids in maintaining both a level screed and consistent material feed height to the screed when paving on irregular, marginal base conditions. The end result is a uniform mat with a smooth surface.

## CUSTOM-ENGINEERED FUME RECOVERY

Terex uses a unique system for capturing fumes, removes up to 90% of hot mix asphalt vapors from the screed area, depending on operating conditions. The fumes are pulled through ductwork and into the engine exhaust system, where it mixes with the exhaust exiting the Diesel Particulate Filter (DPF). The DPF contributes to reduced exhaust emissions from the Tier 4i engine and maintains higher temperatures for the conversion of Particulate Matter (PM) into ash. These higher temperatures mitigate captured asphalt fumes, which are harmlessly discharged with the engine exhaust.

## HEAVY-DUTY SLAT CONVEYOR AND AUGER SYSTEM

Terex standard paver delivery systems offer the confinement necessary to provide a high-quality, long-lasting mat. Standard baffles at the end of the conveyor and on the auger drive gearbox do not allow the mix to cascade to the spreading auger and under the gearbox, reducing aggregate segregation to avoid top-down cracking. Heavy-duty 1.5 x 3 in (38 x 76 mm) slat bars with 3.1 in (78 mm) pitch offset link roller chain and 8-tooth slat drive sprocket allow the CR500 series pavers to stand up to the pressures of big jobs. The CR500 series pavers feature a large 16.7-ton (15 t) hopper capacity for high-production paving.



# YOUR CHOICE OF DRIVE SYSTEMS

## CR500 SERIES

### RUBBER TIRE CR552

With 12-ply, 24.5 x 32 in (622 x 813 mm) drive tires, Terex CR500 series pavers provide up to 50% greater footprint for improved traction. The larger Rear wheel drive motor delivers higher torque and increases draw-bar pull by 20%.

Improvements to the frame and bogie pivot, kingpin and bogie bearing increase hopper load bearing capacity by 40% versus competitive models. Solid rubber, 16 x 22 in (406 x 559 mm) front tandem steering wheels oscillate to override roadbed irregularities, improving mat smoothness.

Our optional front wheel assist incorporates radial piston hydraulic motors in the hubs of the rear steering wheels, delivering up to 50% more tractive effort than normal two-wheel drive.



- Largest rubber drive tire in the industry
- 40% greater hopper load bearing
- Draw-bar pull increased by 20%
- Available front-wheel drive assist
- Available proportional steel system

### RUBBER TRACK CR562

The exclusive Terex Smartrac™ self-tensioning track system eliminates the need for manual track adjustments, extends track component life and significantly reduces the chance of track disengaging. Tier 4 rubber track pavers feature a replaceable 18 in (457 mm) wide rubber track, delivering superior ride characteristics. A wider track stance combined with an independent hydrostatic transmission drive that allows track counter-rotation delivers unsurpassed on-site maneuverability. Pivot-mounted, oscillating, rubber bonded bogie wheel assemblies offer more uniform load distribution, extended track component life and provide a smoother ride.



- Patented self-tensioning track system
- Replaceable 18 in (457 mm) wide track
- Oscillating bogie wheel assemblies
- Wider track stance

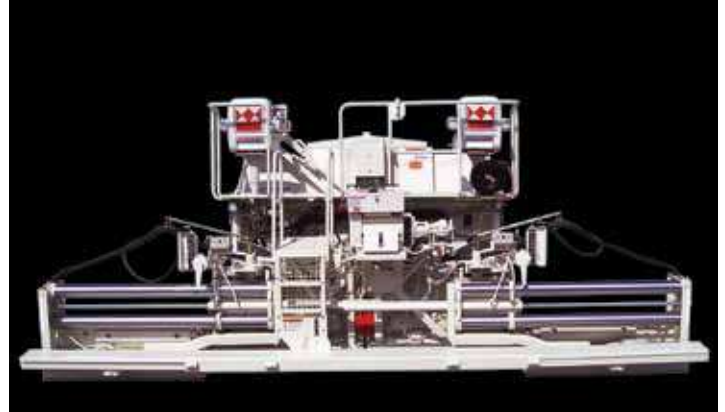
**WORKS FOR YOU.™**

# THE SMOOTHEST MATS

## STRETCH 20®

- Electric or diesel heat
- Electric-over-hydraulic power systems
- Hand-held remote controls
- Long-lasting, reversible screed plates

The Stretch 20 screed offers infinitely variable paving widths from 10 to 26 ft (3.0 to 7.9 m) with quick-attach extensions. Electric heat models feature a 34 kW generator for fast, smoke-free start-ups. Our exclusive Screed Assist System eliminates screed settling and mat marking.



▪ Hydraulically Extendable Stretch Screed

## FASTACH® 10

- Electric or diesel heat
- Rugged, dependable design
- Hand-held remote controls
- Full-width, ½ in (12.7 mm) thick screed bottom
- 178,000 BTU for quick diesel heat-up
- 34 kW generator
- Thermostatically controlled

The Fastach 10 screed is built to handle any paving application, offering widths for the CR400 Series pavers from 10 to 28 ft (3.0 to 8.5 m) with quick mounting extensions. Available hydraulically extendable strike-offs and screeding blades extend base screed width by 4 ft (1.2 m) on either side, giving you up to an 18 ft (5.5 m) base paving width.



▪ Fastach Fixed-width Screed

[www.terexrb.com](http://www.terexrb.com)

Effective Date: April 2012. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex is a registered trademark of Terex Corporation in the USA and many other countries. Copyright 2012 Terex Corporation.

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