

DYNAPAC LARGE TRACKED PAVER RANGE

SD2500C / SD2500CS / SD2550C / SD2550CS



EXCELLENT PAVING QUALITY

THE DYNAPAC SD PAVERS combine decades of experience with constant innovation. During the development we have focused on the paving process and paving quality as well as increasing the reliability of the machines. The Dynapac SD range features the widest variety of choices: gas or electric heating, standard or high capacity work, 4 different power classes offering a sustainable drive concept, with Eco mode or an optional high performance system called VarioSpeed. All pavers come with the same service concept and operating system to ensure maximum uptime.

QUALITY

To achieve the best paving quality you need to rely on a high-performance screed, smooth material flow and an efficient, powerful drive.

The paving quality is measured in compaction, evenness and profile - the Dynapac SD paver range will help you to achieve your paving goals!

INTELLIGENCE

Our intelligent control system PaveManager 2.0 combined with the new 7" display provides you with excellent monitoring of the complete paving process and ensures an optimal material flow.

PaveManager 2.0 offers advanced features such as a real time paving parameter overview, paving parameter memory function and automatic crown and slope settings. Combined with additional sensors, PaveManager 2.0 can also display real-time layer thickness and working width data.

	SD2500 C	SD2500 CS	SD2550 C	SD2550 CS
Eng. power at 2,200 min ⁻¹	129 kW	142/149 kW	164/168 kW	194 kW
Theor. paving capacity	650 t/h	800 t/h	900 t/h	1,100 t/h
Max. working width	9.00 m	10.00 m	12.00 m	14.00 m





DYNAPAC
Kierat Group

***SMOOTH MATERIAL FLOW
ERGONOMIC DESIGN
A SUSTAINABLE DRIVE CONCEPT
EXCELLENT PAVING QUALITY***



SMOOTH MATERIAL FLOW

SAFE IMPACT SYSTEM™

The Dynapac SD tracked pavers offer the safe impact system™ – a hydraulic anti-shock push roller that avoids the typical marks on the surface due to truck docking. The system also extends the docking length and gives you flexibility when working with different truck models.



TRACTION

Our Alpha-Track™ system is longer and wider to give you a smooth drive behavior and a perfect grip. The rubber track pads are 320mm wide which creates great ground contact. A high number of rollers inside the tracks improves the manoeuvrability on curves. The tracks are also very low to give an optimal dumping height. These track pads are especially designed for paving application and have higher rubber thickness for longer life and lower cost.



MATERIAL FLOW

Dynapac has designed the hopper with chamfered hopper edges to avoid cold asphalt sticking in the corners. A hydraulic front hopper flap reduces material spillage on the push rollers and on the road. It also helps to completely empty the hopper and reduces the amount of hand shovelling required.

A very low dumping height makes collision with trucks almost impossible. The generous hopper leads to the widest conveyor tunnel on the market. The tunnel is shaped to create the best flow and to avoid any segregation of asphalt material. The twin conveyor system, 2 x 655 mm wide, with reversible drive, offers smooth

material flow without segregation. We have a standard conveyor as well as a high capacity conveyor with double the number of conveyor bars for improved material flow. The auger compartment is fully visible from the operator's position. The auger and auger tunnel are easily extended to fit wider working widths.



POWERFUL AUGER SYSTEM

The Dynapac auger drive system is an improved centrally driven system with a slim gearbox (15cm) and small outer bearings that allow homogeneity of mixture, despite the high material throughput of up to 1100 tons per hour.

The left and right auger drives have independent and reversible controls. This strong auger system has a torque to handle auger diameters from 380 mm up to 500 mm. In order to achieve optimized material flow for different paving thicknesses you can adjust the auger height hydraulically up to 250mm while paving.

HIGH PERFORMANCE SCREEDS



4-TUBE PRINCIPLE

Dynapac screeds are the most appreciated screed on the market, worldwide!

The screed is extremely stable due to our well-proven four-guiding tube principle which offers unmatched screed stability. Our screeds are easy to assemble while they don't need any supporting rods, even at large working widths. This allows you to fully focus on the paving process and save money on set-up times.





There's no need for supporting rods for the screed, which makes all Dynapac screeds free floating – a must for excellent paving result!

ELECTRIC OR GAS – YOUR CHOICE!

Our optimized electrical heating system features high quality insulation and a stronger generator that significantly reduces heat-up times. The generator is driven by a flexible shaft from the gear box that offers great reliability and reduced maintenance.

We are able to achieve even heat distribution thanks to our well-designed heating coils for bottom plates and tampers.

Those opting for our gas heating system gets a remarkably shorter heat-up time and amazing pavement quality from the first stretch of track! Dynapac supports sustainable gas heating systems to reduce energy consumption as well as CO₂ emissions.

ECCENTRIC FLEXILEVER

Dynapac's unique Flexi Lever quickly and conveniently changes the angle of attack. This offers a visual control of screed settings to adopt various layer thicknesses during the paving process. Lever adjustment is made with a simple.



ERGONOMIC SIDE SHIELD CONTROL

The height and the angle of the side shield are adjustable with only one crank. The crank is placed on top of the side shield below the remote control, creating a comfortable, central workplace for the screed operator.



	VARIO SCREEDS		HIGH COMPACTION SCREEDS		RIGID SCREED
	V5100TV/TVE	V6000TV/TVE	V5100TVH	V6000TVH	R300TV/TVE
Basic width	2.55 m	3.00 m	2.55 m	3.00 m	3.00 m
Hydraulically extendable to	5.10 m	6.00 m	5.10 m	6.00 m	*
Heating system	LPG/ Electric	LPG/Electric	Electric	Electric	LPG/ Electric

Maximum working width (with extension parts)

SD2500C	8.80 m	9.00 m	8.10 m	9.00 m	N A
SD2500CS	8.80 m	9.70 m	8.10 m	9.00 m	10.00 m
SD2550C	8.80 m	9.70 m	8.10 m	9.00 m	12.00 m
SD2550CS	8.80 m	9.70 m	8.10 m	9.00 m	14.00 m

* Hydraulically Extendable Ends (HEE) are optional available

TECHNICAL FEATURES AND BENEFITS DURING PAVING

1

ERGONOMIC DESIGN

Excellent view to the hopper and all working areas due to the higher seat position and moveable platform. An optional weatherhouse with opening windows is available.

2

VARIO SPEED

Load sensing hydraulic system to reduce fuel consumption.

3

LOW NOISE

Reduced noise level through an efficient drive concept, additional noise insulation and a noise optimized screed design.

4

MATERIAL TRANSFER

Unmatched capacity for reduced segregation & improved paving quality.

5

SAFE IMPACT SYSTEM

Hydraulic push rollers for reduced impact from trucks.

6

ALPHA TRACKS

More ground contact for better traction & improved life.

7

INTEGRATED WORKING LIGHTS

Dynapac offers all lighting systems for night work: LED, lighting balloons; auger & engine compartment lights as well as side and screed lights for wider working widths.

8

PAVEMANAGER 2.0

Intelligent control of the paver and the paving process for better quality.

9

STRONG AUGER

Slim auger drive with hydraulically adjustable height up to 25cm. Dynapac offers auger diameters from 380-500 mm.

10

SAFE TRANSPORT

Hydraulically operated locking cylinders for the leveling arms. Safe and easy!

11

DYNAPAC SCREED

Best in business with integrated leveling functions for excellent quality. The Flexilever offers fast and convenient change of the screed angle for different layer thicknesses.





7

8

SD2500CS

11

9

10

MEETING OPERATORS NEED



EXCELLENT VISIBILITY

All round visibility! The operator has a clear view into the hopper, conveyor and auger compartment, as well as on the marker bar plus he has direct eye contact with screed operators and truck drivers.

The platform slides out up to 500 mm on both sides just by pressing a button on the dashboard.

ERGONOMIC WORK PLACE

In addition to effective compaction the Dynapac screed offers great accessibility. The low height gives you a superior view into the auger compartment and constant control over material flow.

This low profile screed provides a central, safe and ergonomic workplace.

OPERATOR'S COMFORT

Our ergonomically designed cabin makes sure that the operator can work comfortably and effectively at all stages of the process. The platform offers generous head room and a flat floor with ample storage space. The big storage boxes in the floor of the platform improve the rear view. The roof offers 2

integrated LED working lights to the front and to the rear. The ergonomic seats, also available with seat-heating, can be adjusted to any position you need. Repositioning the dashboard has become even easier with the improved dashboard console.

The Dynapac SD paver generation also of-

fers a weather house with opening side and front windows for comfortable operation in all weather conditions. To improve the working environment and keep the fume level around the operator stand low, an optional fume suction system is available.





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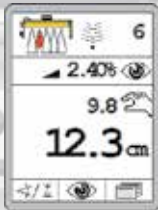
*Extendable
platform by
500mm on both
sides for
excellent
view*

INTELLIGENT MANAGEMENT



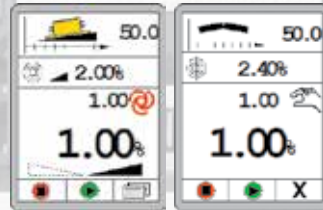
PAVEMANAGER 2.0

The SD pavers feature the updated PaveManager 2.0 control system that offers unmatched paving control for all applications from highway to city paving. This system ensures optimized paving performance again and again. Our high end integrated control system is intelligent and directly connected through a CAN-BUS system. This assures fast and reliable communication. Many changes and adjustments made on the remote control can also be made from the dashboard and vice versa. The remote control recognizes all leveling equipment from MOBA. They are self-configuring, meaning that you can use each one on either side. Both dashboard and remote controls offer color display and intuitive self-explanatory menus and functions. Symbols and pictures make handling even easier.



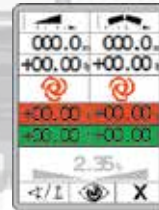
REMOTE CONTROL

The software offers individual configuration. You select the parameters to be shown in the main view based on your needs.



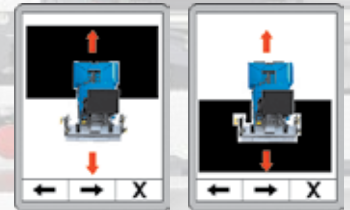
AUTOMATIC PROGRAMMING

Automatic programming of slope and / or crowning for the paving distance.



MULTIFUNCTION

Allows you to track two parameters in one screen. The function can also be used as a crossover function where one screed operator can monitor and control both screed sides from one remote control.



MATERIAL CALCULATOR

This function calculates material paved and material to be paved. You simply enter the parameters of the job ahead of you and the program calculates how much material will be needed. Optional sensors give real-time input on screed width and layer thickness.



TRUCK DOCKING MADE EASY

Dynapac's TruckAssist system is designed to help trucks dock correctly and safely with the paver by simplifying communication between the paver and truck driver. The system comprises two sturdy, LED bars which are strategically positioned on both hopper edges.

TruckAssist allows safe, efficient communication between the drivers of the paver and the truck, and enable the paver driver to remain in control of the truck docking process at all times. This feature is particularly useful in low noise areas, reducing the need to use the horn.



FAST, EASY REPOSITIONING WITH SETASSIST

SetAssist system is especially useful where there is a large amount of spot work involved as it is designed to reduce setting and transport times on the jobsite. Now the paver driver has the option to save the position of the auger and screed before moving from one section to the next. One push of a button on the redesigned operator panel will then lift the hydraulic front flap, auger and screed, lock the screed for transport and reverse the conveyor slightly. Other features can be added by demand.

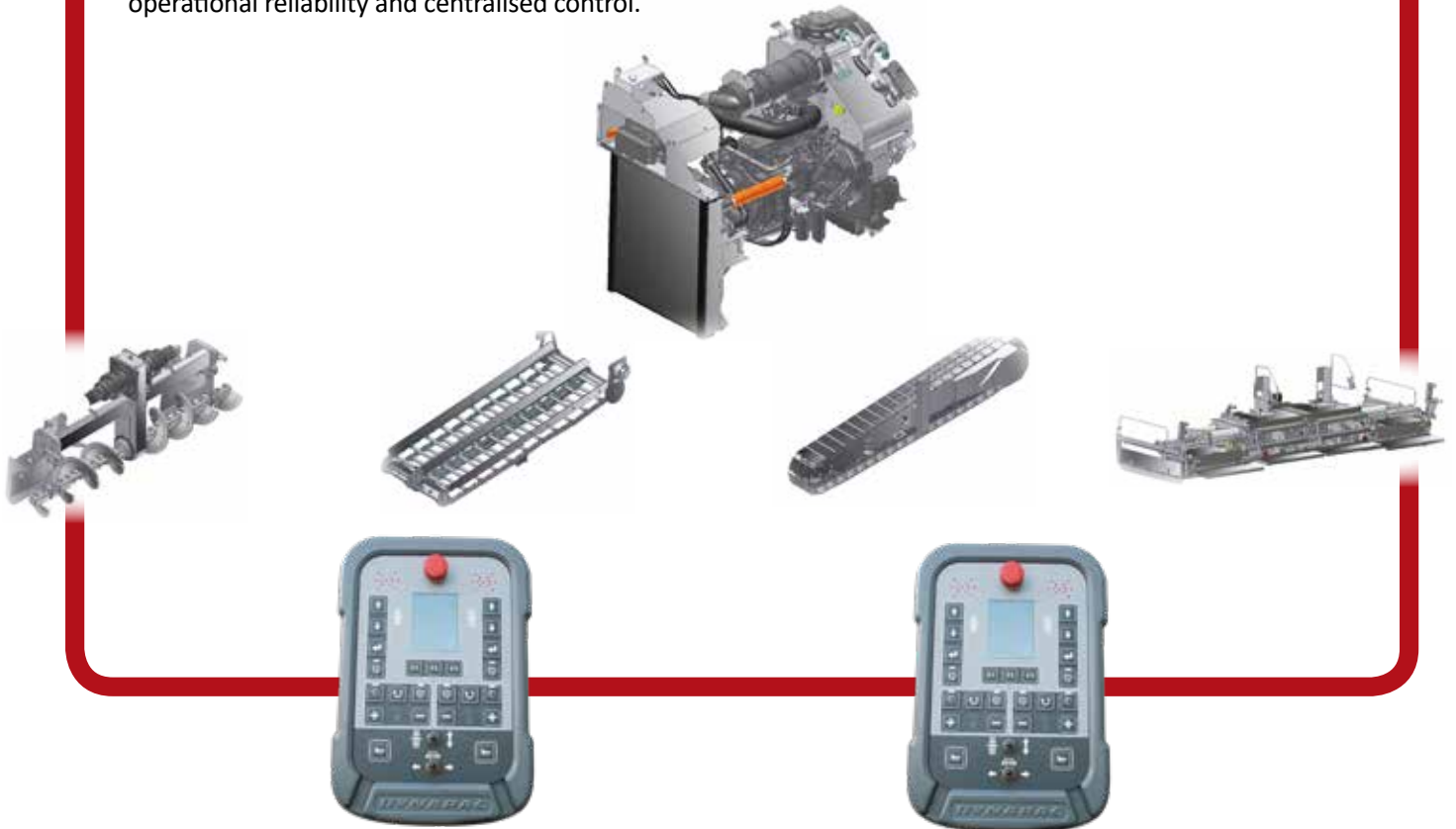


CLEANINGASSIST

Operators always in focus, we developed our supporting CleaningAssist. Pushing one button and several functions moving slowly to make the cleaning work very easy. Operators are appreciating that function.



Dynapac SD Pavers are powered by a Cummins QSB6.7 diesel engine with emission stage IIIA/IV. The power unit offers optimized energy conversion through: load-sensitive engine speed control; use of the most efficient pumps and the most compact final drives, incl. motors. The cooling system is driven by a hydraulic motor that is thermostatically controlled for efficient cooling. The CAN-BUS system ensures high operational reliability and centralised control.



VARIOSPEED

Optimal rpm at all times! VarioSpeed is a Dynapac patented drive concept that recognizes the required rpm for the specific working situation. A computer senses and controls the needed rpm, infinitely! This is an option that will save you money. It can save up to 15% on energy costs. Fuel consumption is reduced and the life of your engine is increased! This is a standard feature on SD Pavers with stage IV engines, others can be upgraded to VarioSpeed at any time.

ECOMODE

Dynapac EcoMode's stepless operation makes it unique. You can adjust the engine rpm to suit the conditions of your particular job site. Instead of having a fixed rpm level, you individually set the level for the particular working situation in the eco-function. This function gives you lower fuel consumption, less noise and a longer life for your engine.

DYN@LINK



With the introduction of Dyn@Link, Dynapac Road Construction Equipment provides customers with a tool to monitor and manage their machine fleet efficiently and conveniently. The intelligent telematics system offers many possibilities to optimize fleet usage, to reduce maintenance costs and to save time and money.

3 Versions available

The new telematics Dyn@Link system is available in three versions: Dyn@Link, Dyn@Link Advanced and Dyn@Link Pro.

All systems include the hardware with sim-card, webpage access and a 36-month data connection package, which can be extended after 3 years.

Dyn@Link Pro*

Paving parameters linked to geographical location
- Working width
- Layer thickness
- "Asphalt temperature"

Interface with BPO from Volz Consulting GmbH

Dyn@Link Advanced

Fuel consumption

Machine parameters
- Engine parameters
- Distance travelled

Remote diagnostic

Dyn@Link

Working hours

Maintenance schedules

Geofence

** Available on large asphalt pavers, additional sensors might required*

All machines, together with important information such as position, fuel and Ad-blue levels, service status and map view, are listed on the dashboard. Thanks to the online portal and the Dyn@Link app, users can access this information from anywhere and at any time.

Customize the tool for your needs

The user-friendly webpage is easy to learn and the various filters and personal setting options for graphs and tables allow you to adapt the webpage to your individual requirements.



CONTROL YOUR COSTS

Being active in the Road Construction business requires considerable investment. Every square meter involves an operational cost composed of fixed costs such as interest on equipment acquired, labor costs, insurance and equipment depreciation, but also variable costs such as expenses for fuel, wear and maintenance.



Wear cost

Since Dynapac always uses high-quality wear parts, the time that is needed to change them can be kept to a minimum. Customers who use Dynapac spare parts will improve reliability and protect their investment.

Operator cost

The operator is always a very big part of the total cost. Operators using Dynapac equipment will enjoy good ergonomics and easy-to-operate equipment.

Maintenance cost

All road construction equipment need regular check-ups such as change of oils and filters. Dynapac always strives to use components that require as little maintenance as possible.

Investment cost

The purchase price is often only a relatively small part of the total cost. Dynapac rollers and pavers maintain a high value throughout their working life, which is good to know if you ever want to sell it.

Fuel cost

Fuel expenses can make up a large part of your total cost. Since Dynapac rollers and pavers are equipped with a very efficient hydraulic system, your fuel cost can be kept at a low level.

SERVICE COMMITTED TO YOUR FUTURE

WHAT?

GENUINE PARTS AND KITS

- Preventive maintenance kits
- Genuine Filters
- Fluids and lubricants
- Wear and repair kits
- Upgrade Kits

SERVICE

- Right competence
- Training program
- Inspection & service program
- Extended Warranty & Service Agreement

CONSUMABLES

- Road Milling
Tools (bits)

HOW?

GLOBAL DISTRIBUTION NETWORK

Always close to you

DYNAPAC.COM

- Kit selector
- Fluid selector
- Shop Online

DYN@LINK

- Manage your fleet
- Timely interventions planned with service alerts

PREVENT THE COST OF A BREAKDOWN

REGULAR MAINTENANCE PREVENTS COSTLY STANDSTILLS.

Equipment breakdowns have a direct impact on your productivity. No production means no revenue, but the fixed costs stay the same, resulting in lower profitability. By avoiding breakdowns and increasing the reliability of your machine, you will be able to produce more per year, which will immediately improve your profitability.

PREVENTIVE MAINTENANCE KITS

PREVENTIVE MAINTENANCE KITS

All in one box and tailored to match your equipment. Easy to obtain and attractively priced, our preventive maintenance kits contain all the parts required for the equipment's scheduled maintenance program. When installed by one of our certified technicians, you keep equipment downtime to a minimum and its uptime to a maximum throughout its working life.

PREVENTIVE MAINTENANCE PAYS BACK

Equipment needs preventive maintenance that demands

- Timely intervention to avoid expensive breakdowns
- High quality maintenance also means higher resale value (residual value)



Lower Cost of Ownership
Maintenance prevents more costly repairs



Increased equipment reliability
Full equipment uptime



Higher resale value

DYNAPAC LARGE TRACKED PAVERS

	SD2500C	SD2500CS	SD2550C	SD2550CS
Weight				
Weight, t	18.5	18.5	20	20
Dimensions				
Basic width, m	2.55	2.55	2.55	2.55
Working width, max	9	10	12	14
Working width, min (w/reduction shoe), m	2	2	2	2
Capacity				
Placement thickness (max)	-150 bis +310	-150 bis +310	-150 bis +360	-150 bis +360
Capacity, t/h	650	800	900	1100
Material Hopper				
Dumping height center (w. hopper flap), mm	555 (570)	555 (570)	525 (540)	525 (540)
Hopper width, internal, mm	3292	3292	3292	3292
Traction				
Paving speed, m/min	1 - 28"	1 - 28"	1 - 28"	1 - 28"
Transport speed, km/h	0 - 4	0 - 4	0 - 4	0 - 4
Operator console	Slidable left/right			
Dashboard	Ergonomic dashboard with 7" color display			
Platform	Slidable platform (500 mm left and right)			
Engine				
Engine model	QSB6.7-C173	QSB6.7-C190 (200)	QSB6.7-C220 (225)	QSB6.7-C260
Rated power KW @ 2200 rpm	129	142 (149)	164 (168)	194
Emissions	according to Stage IIIA (T3) and Stage IV (T4f)			
Electrical system, V	24	24	24	24
Fuel tank capacity, l	350	350	320	350
Crawler				
Crawler length, mm	2900	2900	3360	3360
Crawler width, mm	320	320	320	320
Final drive	Hydrostatic direct drives comprising planetary gear units and hydraulic motors, integrated in the crawler track frame			
Conveyor				
Conveyor type	Dual bar feeder	Dual bar feeder	Dual bar feeder	Dual bar feeder
Conveyor width, mm	2 x 655	2 x 655	2 x 655	2 x 655
Conveyor control	Automatic with limit switches	Automatic with limit switches	Automatic with limit switches	Automatic with limit switches
Auger				
Auger diameter, mm	380	380	430	500
Auger control	Automatic with ultrasonic sensors		Automatic with ultrasonic sensors	
Auger height adjustment, mm	250	250	250	250
Screed options				
Vario screed V5100TV/TVE & V6000TV/TVE	YES	YES	YES	YES
High compaction V5100TVH & V6000TVH	YES	YES	YES	YES
High compaction R300TV/TVE	NO	YES	YES	YES

Your Partner on the Road Ahead