

DYNAPAC

HIGHWAY CLASS SCREEDS

V5100 / V6000 / R300





MADE IN GERMANY

**HIGHEST
PRECISION**
VERSATILE USAGE



Vario screeds: Cover the widest range of application

Rigid screeds: Deliver excellent compaction across large working widths

High compaction screeds: Designed for excellent surface quality on every layer

All screeds: Proven four-tube design for unmatched stability

Many years of practical experience in the construction industry together with continuing development provide the basis for the advanced technology and high stability of Dynapac screeds.

The end result is an impressively high paving performance, including the achievement of excellent compaction values. The rugged construction of the Dynapac screeds ensures a high degree of stability essential for paving widths of up to 16 m with a fixed screed and up to 9 m with the telescopic one.

We can offer you both electric and gas heated screeds with the latest heating technologies across our entire screed portfolio.

SCREED PORTFOLIO HIGHLIGHTS

HOMOGENEOUS, RELIABLE & PRECISE RESULTS EVERY TIME

SIDESHIELD HEATING

Avoid sticking material or marks with a variety of heating solutions according to your needs. Choose between upper and lower section heating, add a ski or go for an edge compaction unit to create a predefined shape at the mat's edge.

ERGONOMIC SIDESHIELD CONTROL

Easily adjust your side shield in height and angle by using the single crank control or the integrated hydraulic controls.

EXTENSION ADJUSTMENT

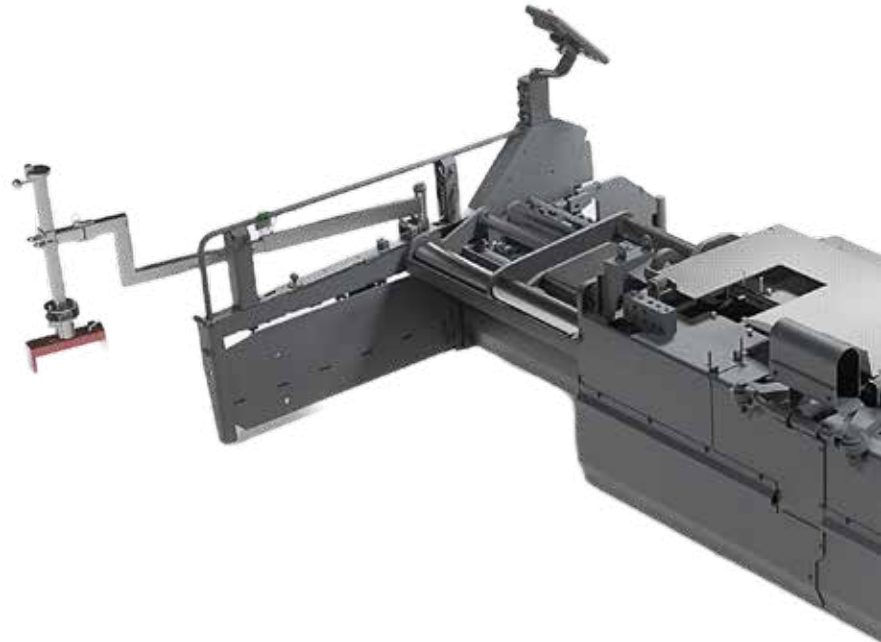
Easy and safe extension height adjustment to increase your machine's uptime and reduce the build-up time.

VARIOUS SIDE SHIELD VARIANTS

Choose between manual controlled or hydraulic controlled side shields and speed up your machine setup with foldable versions that are made to have a hassle-free single person machine build up.

REMOTE CONTROLS

Stay in full control on the paving process and have access to all leveling and material feeding controls right at your finger tips



BOLT ON EXTENSIONS BOXES

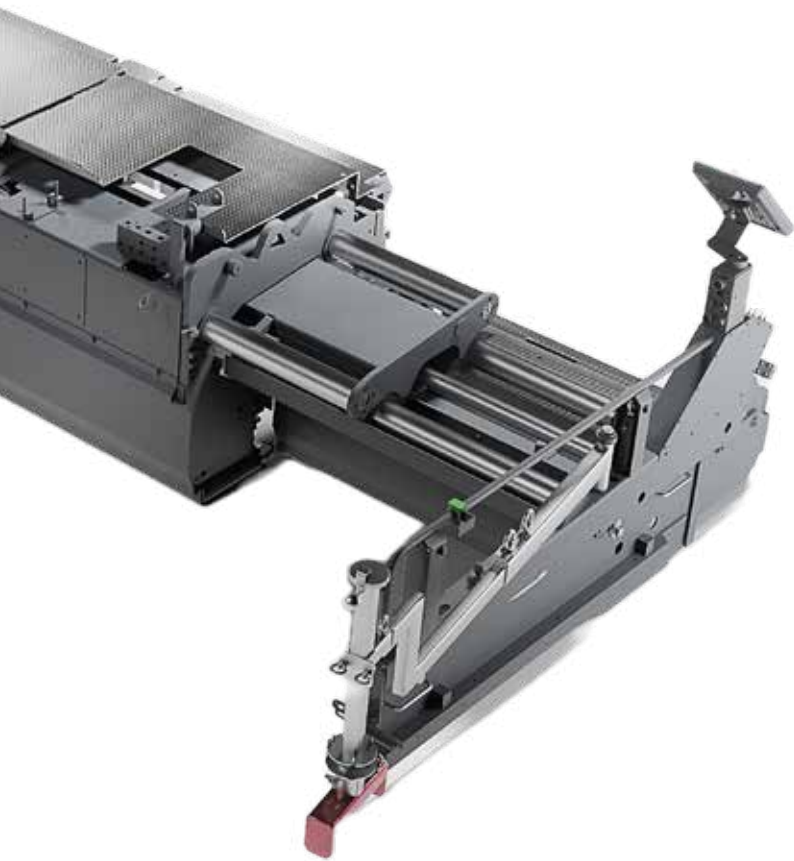
Fast working width setup without the need of additional support rods.

HYDRAULIC EXTENSION PARTS

Be flexible while creating the perfect mat with the proven 4-tube guiding system on our vario screeds.

WANT TO FIND OUT MORE?

Go to Dynapac Product Information and scan the QR code to enter the screeds product site:



LOW PROFILE WALK PLATES

Perfect view into the auger area and easy to reach the tractor from the back.

ADVANCED LEVELING

Evenness is key and easy to create with the integrated MOBAMATIC 2 Leveling. Choose between a variety of sensor and big ski options to perform even on challenging job site conditions.

BOTTOM PLATES

Reduce the wearing and increase the life time with the 15mm Hadox 500 bottom plates on all highway screeds and the high compaction systems.

CROWNING

Go for an optional hydraulic crowning on the vario screeds to create transitions with the push of a button right at the remote control or even automate the process by using the distance dependent crowning feature.

PRE-COMPACTON SYSTEM

Massage the paving material with the infinitely adjustable tamper and vibration speed and reach the maximum compaction on all layers by adding a static freely adjustable high compaction pressure at the high compaction screeds.

HEATING SYSTEMS

Increase your efficiency and reduce your fuel consumption by choosing a gas heated screed or go for the integrated electric heating.

SPARE PARTS

Reduce maintenance and service with highly reliable materials build in to the machine. To speed up the maintenance we offer fast delivery for spare parts and pre-packed service kits including all filters and wear parts needed.

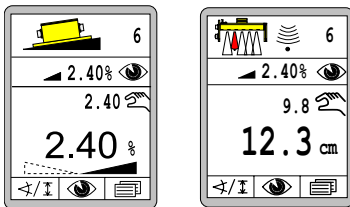


MANAGING THE PROCESS

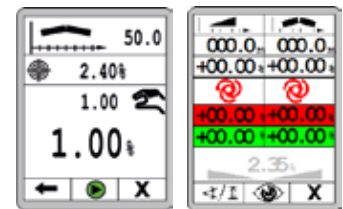
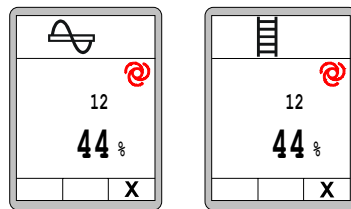
Each leveling system that you have connected is clearly shown in the display. You can see the actual and set value of height and slope which can easily be adjusted. The leveling cylinders are also monitored by additional LEDs on the remote controls.

MATERIAL FLOW

It is important that material flow controls are easily accessible to be able to react to every change during operation. Therefore we have placed them directly on the panel. You have the option of automatic operation using the sensors and manual operation. The reverse function helps you adjust overflow of material and is useful when resetting the paver. This function overwrites the automatic mode.



requested by operators, the most important functions are controlled using toggle switches so they are easier to use when wearing gloves. Both sides of the paver can be controlled from one side through the crossover function.

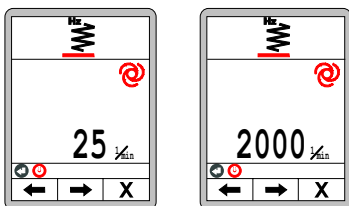


MATERIAL CALCULATION

Track the paving process with using the integrated material calculator. See how many material you have already paved or how much is still in front of you. The data gets calculated in real time based on your job setup and the machine data like screed width and driving speed.

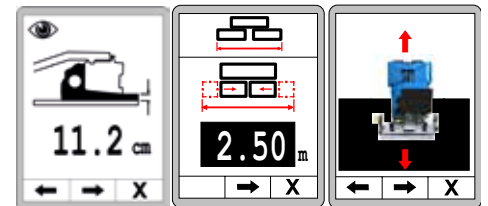
COMPACTION CONTROL

Tamper and vibration are continuously monitored and infinitely adjustable during operation. The tamper speed is adjustable up to 1500 rpm, the vibration up to 3000 rpm and the high compaction pressure up to 70 bar.



ERGONOMIC WORKPLACE

When developing our machines we always keep the operator in mind to provide an ergonomic and safe working environment. For the screed operator we have created a self-contained workplace with our ergonomic side shield control, flexible and smart remotes and low profile, skid proof screed walking plates. The screed operator has a good overview over the working environment, to the front, to the paver operator and the in auger compartment. Both the height and angle of the sideshield can be adjusted with just one crank. Your remote control can be adjusted as you prefer and before detaching the remote, you can save the settings.



EASY OPERATION

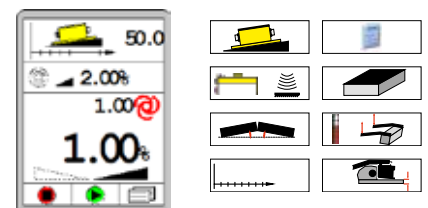
Dynapac remote controls are easy to learn and intuitive to use. Even the most complicated operation commands are made simple. As

DISTANCE DEPENDENT SLOPE AND CROWNING

Create perfect transitions with a push of a button. Simply enter your target distance to reach a certain level of slope, crowning or even both at once, press play and based on the travelled distance of the machine the system will create fluent transitions based on the current values and your target settings fully automatic.

ADDITIONAL INFORMATION

A free configurable information line on the main screen allows you to monitor additional functions according to personal preferences and specific jobsite requirements.



TH E High Compaction Screed with unique Dynapac HCU (High Compaction Unit Design) technology

HIGH COMPACTION UNIT DESIGN

The new Dynapac TH E Screed range is designed to deliver excellent surface quality on every layer. You no longer need to care about the material you use or the environmental conditions on your jobsite.

The new HCU-Design (High Compaction Unit Design) allows easy adjustments via the remote controls while every HCU unit works completely independent. This ensures maximum productivity, flexibility and outstanding reliability.

HIGHEST PRECISION

The Dynapac TH E Screed combines three different methods of compaction in one machine:

TAMPER

To ensure a perfect and high surface compaction the well-known Dynapac tamper System is in place.

STATIC WEIGHT AND VIBRATIONS

The Dynapac bottom plates ensure a perfect surface structure and convert the screeds static weight into pure compaction. Combined with the adjustable vibration caused by the HCUs it is easier than ever before to reach the result you need.

HYDRAULIC PRESSURE

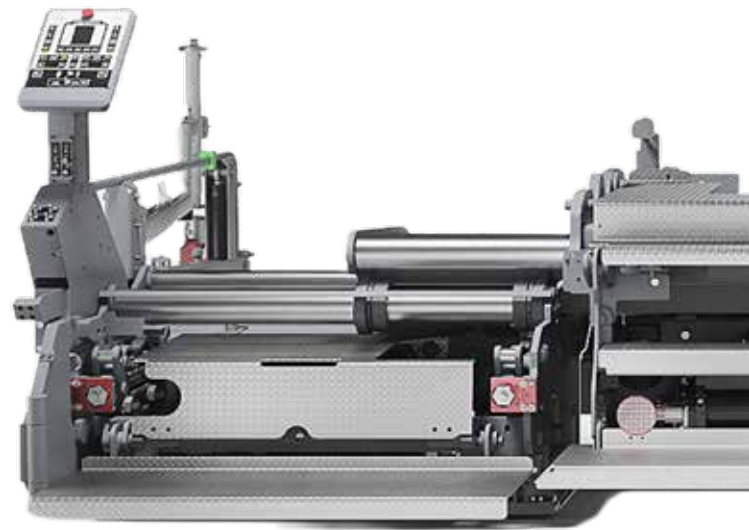
The all new designed HCUs push the pre compaction to the max. The combination of static hydraulic pressure, which is freely adjustable, and very high frequencies provide the perfect setup for every paving situation.

THE SYMPHONY OF QUIET COMPACTION

The unique Dynapac HCU-Design avoids mechanical friction and noisy components. During the whole design process our strict Dynapac noise guidelines have been a main focus. The result: A reliable system which still keeps the paver in the range of 104 dB (A).

THE TECHNOLOGY BEHIND

The Dynapac HCU-Design is designed to provide maximum reliability. The parallelogram which is used to lift and lower the system is packed with highly reliable bearings and special coatings for a long lifetime.



TH E SCREED
**BOOST
YOUR
EFFICIENCY**

SCREED CONTROL AT YOUR FINGERTIPS

The TH E Screeds can be adjusted precisely to the jobsite requirements allowing to set the frequency of the high compaction bar independently from the hydraulic pressure. This allows you to have the ideal set up at every paving situation.



Easy usage, fuel saving and high compaction are the focus points of our TH-Screed range. While paving, the compaction systems are automatically controlled by the Pave Manager Advanced 2.0 controllers to allow the operator seamless adjustments on the compaction settings. This ensure a perfect mat quality based on the intelligent lift system to have no marks based on too high pressure in the High Compaction Units.

Due to robust mechanics and a special designed spring system, the screed changes its compaction behavior on the run based on your rpm and pressure settings without increasing the pavers fuel consumption compared to a TV screed.

Dynapac vario screeds are the most diverse screeds in our range. They cover the widest range of application challenges in asphalt paving.

EASY EXTENSION

Save time with an optimized working width design to get ready for the job with ease. No need for special adjustments or support rods for the extension boxes up to a width of 9.7m, reliable couplings, quick connections for hydraulics and easy access to all bolts are making the setup process convenient and simple.

FLEXILEVER

No tools needed to change the screed setup from base course paving to wearing course by using the flexilever on all vario screeds to quickly change the screeds angle of attack and max out your leveling performance on all layers.

INCREASED LIFETIME

Due to HARDOX bottom plates, special tamper materials and a wearing free screed extension system the screed lasts long while reducing the amount of service needed.

SENSOR SUPPORT

Dynapac Vario Screeds are ready to be equipped with a variety of additional sensor systems to support you on a daily base.

Stay out of danger zones or create perfect seams with the MatTracker edge detection sensor and automate the screed extension or retraction movement. Based on an optical image processing system which is built into the sensor the screed width adjusts automatically according to references like curb stones or existing mats to release the user and keep the focus on the overall project.

Track your paving performance with the screed width sensor and the integrated material calculator. The laser based width sensing system is integrated to the screed and capable to track the current width for each side of the screed and display it live in the remote controls and the main dashboard right in the pave manager 2.0.

SMOOTH PROCESS

Design the mat according to your targets and avoid marks with integrated support functions.

To get through challenging situations apply an additional hydraulic load through the screed lift cylinders or reduce the screeds compaction force by applying an unload pressure to the screed lift cylinders. Use the integrated Pave Stop technology to lock the screed in position in case of stops and benefit from the machines computing power that allows you to bring the screed back into floating in a controlled way without any marks or manual intervention from the operators.

VARIO SCREEDS FULL FOCUS ON YOUR JOBSITE



Dynapac Vario screeds are based on a proven modular design. The Dynapac 4-tube guidance system provides unsurpassed screed stability across the entire working width. These screeds can be used from 2.55 m to 9.7 m pave width and up to 36 cm pave thickness, always with the same excellent result and clean surface texture.



BROAD PAVING WIDTHS

Dynapac has a long experience and know-how in working with rigid screeds for paving widths up to 14 m. The R300 is your best option when you require excellent compaction across large working widths. Our rigid screed is often used for airports and highways to achieve an even, joint free, finish where time is critical. The larger working width gets the job done quickly, so the area can be reopened to traffic sooner.

HYDRAULIC EXTENDABLE ENDS (HEE)

Our screed combines the flexibility of width adjustment with the stability and rigidity required in most applications. Hydraulically extendable ends can be fixed to the screed adding another 1m on each side.

MAXIMUM THROUGHPUT

Combining an R300 working width with a SD2550CS opens up the door to achieve a theoretical paving capacity of 1100 t/h to finish even the biggest projects in time.

HIGH STABILITY

Big working width means always a high material load on the components. The Dynapac R-Series comes with a rouged hinge design to allow stable crowning on all widths and an integrated pre tensioning system that allows an easy machine built up as on the V-Series but makes it possible to prepare the screed for high loads to deliver a smooth mat across the whole width.



ELECTRIC OR GAS HEATING

Dynapac has always focused on offering innovative solutions tailored towards your needs and preferences. We can offer you both electric and gas heated screeds with the latest heating technologies.

GAS - HIGH POWER & SAFETY

The Dynapac gas heated screeds are built according to a well proven concept and are easy to operate. The gas heating system offers the advantage that it can be switched on without the machine engine running, thereby reducing the fuel consumption by up to 46% compared to the same machine with an electrical heated screed. Our gas heating system is environmentally friendly with a remarkably fast heat up time and high heating power up to 100 kW!

The burner system design allows efficient and very fast heating of the bottom plates, tamper knife and sideshields. Additionally, the gas flame-control system allows a very precise temperature control and highest possible operator safety.

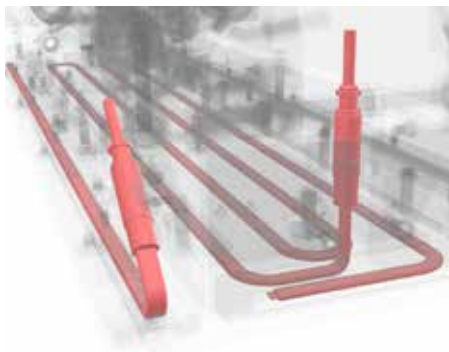
A very low gas consumption and two gas bottles on board allow you to use the screed for two weeks before changing both bottles. Integrated on / off valves for each gas bottle allow you to switch fluently between them and give you enough time to get a new one.

ELECTRIC - SMART OPERATION

Our robust design of the heating rods significantly reduces maintenance and down-time. We have focused on further reducing the service requirements by installing a stable cardan shaft to connect the engine to the generator. Optimally insulated heating rods ensure the maximum efficiency of the heating power.

Dynapac's powerful three phase generators ensure best-in-class heating at all times and under every weather condition. The innovative design of our heating rods ensures short heating up times and an optimal heat distribution over the entire bottom plate, the tamper knife and the high compaction bars.

An electronic heat management system monitors the heating of each screed section individually and automatically adjusts the heating based on your setting. This allows the engine rpm to be reduced which reduces the noise level and fuel consumption.





DYNAPAC

solentec

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TECHNICAL DATA

SCREED RANGE

SCREED TYPE	V5100 TV	V5100 TV E	V5100 TH E	V6000 TV	V6000 TV E	V6000 TH E
Weight , t	3.60	3.60	3.80	3.80	3.80	4.40
Min. basic width, m	2.55	2.55	2.55	3.00	3.00	3.00
Max. basic width, m	5.10	5.10	5.10	6.00	6.00	6.00
Max. working width, m	8.80	8.80	8.10	9.70	9.70	9.00
Available extensions, mm	350/750	350/750	750	350/750	350/750	750
Max. tamper rpm	1500	1500	1500	1500	1500	1500
Max. vibration rpm	3000	3000	3000	3000	3000	3000
Max. high compaction pressure, bar	–	–	70	–	70	–
Heating system	Gas	Electric	Electric	Gas	Electric	Electric
Crowning	-2,5 % - +4,5%	-2,5 % - +4,5%	-2,5 % - +4,5%	-2,5 % - +4,5%	-2,5 % - +4,5%	-2,5 % - +4,5%

SCREED TYPE	R300 TV	R300 TV HEE	R300 TV E	R300 TV E HEE
Weight , t	2.30	2.30	2.30	2.30
Min. basic width, m	3.00	3.00	3.00	3.00
Max. basic width, m	3.00	3.00	3.00	3.00
Max. working width, m	14,00	13,75	14,00	13,75
Available extensions, mm	250 / 500 / 750 / 1000	750 / 1000 / 1375 - 2375	250 / 500 / 750 / 1000	750 / 1000 / 1375 - 2375
Max. tamper rpm	1500	1500	1500	1500
Max. vibration rpm	3000	3000	3000	3000
Heating system	Gas	Gas	Electric	Electric
Crowning	-2,0 % - +3,0%	-2,0 % - +3,0%	-2,0 % - +3,0%	-2,0 % - +3,0%