

DYNAPAC MOBILE FEEDERS



Dynapac MF2500CS / MF2500CS SwingApp
Dynapac MF2500CM



 **DYNAPAC**

Max. theoretical
feed capacity
4000 t/h
Transport width
2.55 m
Add-on SwingApp
45 min

**COMPACT
POWERFUL
VERSATILE**

The heart of the Dynapac MF2500 is its reliable high performance conveying system. With a feeding capacity of up to 4000 tons per hour it can transport 30 tons of asphalt, sand or gravel in just 35 seconds. The durable belt is directly mounted on metal bracing for a long service lifetime. The only 2.55 m feeder in it's class the Dynapac MF2500 combines cost effective transport with impressive feeding capacity. An optional SwingApp makes the MF2500CS incredible flexible and versatile.

Meet Dynapac Mobile Feeder Family

MF2500CS



MF2500CS & MF2500CS with SwingApp Short conveyor with Add-on SwingApp

Wide application range
Low cost of ownership
Standard transport

MF2500CS SwingApp



MF2500CM



Medium Conveyor - MF2500CM

Convenient regular feeding
Compact design
Combined transport with MH2500

	MF2500CS	MF2500CS with SwingApp	MF2500CM
Engine power at 2200 min (Stage IIIA / V)	164/168 kW	164/168 kW	164/168 kW
Feeding capacity, theoretical	4000 t/h	2000 t/h	4000 t/h
Transport width	2.55 m	2.55 m	2.55 m



BETTER ROADS – EASY & FAST



HEIGHT ADJUSTABLE PLATFORM FOR EXCELLENT OVERVIEW

SMOOTH PAVING PROCESS

To achieve the best paving quality a constant paving speed is mandatory. The Dynapac MF2500 feeder in combination with the paver hopper container MH2500 guarantees uninterrupted material supply. This ensures a continuous and smooth paving process. The track driven feeder has large pivotable pushrollers with scrapers to dock easily with diverse kind of trucks.

OPERATOR IN CONTROL

The new TruckAssist feature makes communication between the feeder operator and truck driver really easy. The operator can swing the seat out of the side of the machine, and adjust the control panel to the most comfortable position, giving them excellent visibility of the truck side, feeder hopper and paver side. Auto modes ensure that all the main feeder operations can be done in a smooth and hassle free manner.

CONVEYING TECHNOLOGY

Dynapac feeders are best known for their powerful and durable conveying systems. The 1200 mm wide conveyor with



LARGE CONVEYOR TUNNEL FOR BULK MATERIAL TRANSFER

highly reliable rubber belt has been designed for optimal flow and minimal segregation. Stiffening bars together with roller chains make the conveyor system extremely robust. Special alloy steel supports for the bars ensure optimal conveying performance.

HOMOGENOUS MIX

The material stays hot during transport on the belt due to the width and speed of the conveyor. Covers minimize the heat loss.

Large tunnel and the unique Dynapac conveyor ensure bulk material transfer, which ensures that the mix stays hot. The feeders are equipped with foldable hopper wings with front hopper flaps. Chamfered hopper corners prevent cold asphalt being left in the hopper. The new tri-flap system allows even faster material transfer.

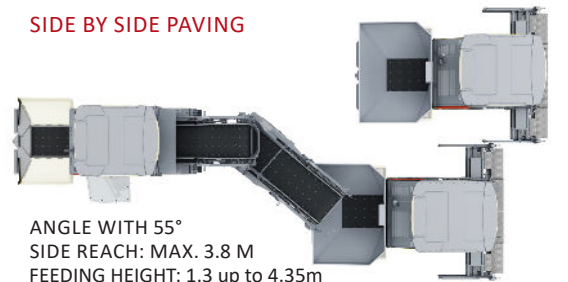
Minimum number of transfer points reduce the asphalt aging which is caused by oxygen to a minimum. Least interference to the asphalt mix ensures a high quality mix.



ADD-ON SWINGAPP – UNIQUE & PATENTED



SIDE BY SIDE PAVING



ANGLE WITH 55°
 SIDE REACH: MAX. 3.8 M
 FEEDING HEIGHT: 1.3 up to 4.35m

FLEXIBILITY

Equipped with a short conveyor as standard, the MF2500CS mobile feeder can also work with an add-on SwingApp. SwingApp transforms the MF2500CS to a feeder suitable for offset feeding applications – feeding two pavers side by side, feeding one paver from a different lane, fill medians etc. The SwingApp conveyor can swing 55° to both sides.

LOW COSTS

Our innovative design helps you to keep your investment costs low as the SwingApp can transform a MF2500CS to an 'offset feeder'. The same SwingApp can be mounted on any MF2500CS allowing optimal fleet management. A mounting/dismounting time of approximately 10 minutes enables you to respond more quickly to changing job site requirements. When not required, the SwingApp can be removed, which considerably prolongs the lifetime of the belt and minimizes costs.



1

2

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1

AMAZING PRODUCTIVITY

Empties a truck in 35 seconds thanks to a wide belt and large conveyor tunnel.
The bulk material transfer ensures an homogenous mix.

2

LOW COST OF OWNERSHIP

With a width of just 2.55 m, the paver doesn't need any special permits when being moved. The high feed capacity and low fuel consumption also keep running costs low.

3

LONG LASTING BELT

The rubber belt is directly mounted on metal braces, which eliminates the temperature impact from the hot asphalt on the belt.

4

LIGHTASSIST

The working light can be switched on with the central battery switch from ground level for convenient access to the operator platform in the dark. Additional side lights allow a more convenient and safe loading on the truck.

5

ERGONOMIC WORKPLACE

Spacious platform with pivotable seats and dashboard for an ergonomic working place and excellent view. Optional weather house is available.

6

HOMOGENEOUS MATERIAL

The wide and high conveyor ensures smooth material flow with minimal segregation.

7

MODULAR SERVICE CONCEPT

The modular design of the MF2500 with the SD pavers means they have a lot of parts in common.

8

INTEGRATED WORKING LIGHTS

Comprehensive lighting system for night work: 4 LED lights integrated in the canopy, 2 for the conveyor, 1 at the back. Optional 24V LED-lighting balloon can be easily plugged in.

9

SWINGAPP

You can easily convert the standard short feeder to an offset feeder in less than 10 minutes, using SwingApp.

10

EASY CLEANING

The integrated release agent spray system makes cleaning more convenient.

11

LAPTOP STATION

The feeder features a lockable rain-protected laptop station with a 24V socket for a convenient ground working.

12

AUTOMATIC DISTANCE SENSOR

The automatic distance sensor keeps the distance between feeder and paver constant on the pre-setted value.

ALL ROUND VISIBILITY

For an easy and smooth operation it is important that the driver can communicate with the truck and paver drivers, whilst monitoring the amount of material in the feeder and paver hoppers. The MF2500 does exactly that and a bit more. The two swing-out seats allow the driver to sit variably up to a 90° angle to the driving direction to ensure an excellent view. Both seats can be individually adjusted for height and distance for a comfortable working position. The convenient platform lift option gives the operator excellent visibility, especially while working with the SwingApp mounted on the Dynapac MF2500CS. The view is further enhanced by optional cameras and mirrors.

SMART FEEDING

The filling sensor on the conveyor end monitors the filling degree in the paver hopper and controls the belt speed automatically. The release agent quantity can be dosed precisely to the according asphalt. Twice per day for dry asphalt up to multiple times per day.

The optional steering device automatically guides the feeder.

DISTANCEASSIST

The distance to the paver and the speed of the feeder is automatically controlled by a reliable sensor. Consequently the Dynapac MF2500 stays on course and the operator can concentrate on the feeding process. This ensures highest daily work capacity and quality. And due to the LED-bar at the back of the feeder canopy the paver driver is always informed about the status of the DistanceAssist system.



TRUCKASSIST

Dynapac's TruckAssist system is designed to help trucks dock correctly and safely with the feeder by simplifying communication between the feeder and truck driver.

The system comprises two sturdy, LED bars which are positioned on the hopper edges.

SWINGASSIST

With the optional SwingAssist the SwingApp height and angle as well as the feeder positions can be memorized and recalled easily by pressing a button on the dashboard. This feature helps the operator by supporting him during his demanding job.



EXCELLENT OVERVIEW

The operator seat can be pivoted up to 90° and shifted to the outside.

The entire operator platform can be raised hydraulically by more than one meter. This ensures an excellent overview.

SECOND OPERATOR

Some functions of the Dynapac MF2500 can be performed from a second operator station on the ground, such as opening and closing the hopper. A handy rain-protected laptop station with a 24V (optional 12V) socket can also be found in this area.



MAIN VIEW

Full control at glance. The main screen gives you an overview of the complete feeding process, displaying all essential parameters. From here you monitor the feeding amount in the paver/hopper, conveyor speed, release agent spray tank level and distance between the paver and feeder. Also featuring short-cuts in other menus.

Additional to the visual indicators the integrated speaker warns the driver acoustically when DistanceAssist recognizes a failure or when important fluids are low e.g.. Ad-blue.



MATERIAL FLOW SETTINGS

Following the current parameters view, you can change the settings for the conveyor, such as filling degree and conveyor belt speed for slow movement and auto control.

With Dyn@Link, Dynapac Road Construction Equipment provides customers 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.

ALL MACHINE INFORMATION AT A GLANCE

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.



EASY BELT REPAIR

The patented quick connector of the belt allows to change the belt within few hours. It is not necessary to dismount any supporting equipment. Only connect the new belt with old belt and let the belt run!

And if there is a partial damage: Dynapac offers a belt repair kit, which can be easily inserted without missing a day of paving.

EASY CLEANING

The spraying system ensures that there is a permanent release agent coating on the conveyor belt. This effectively prevents the adherence of bitumen. The 90-liter tank for the release agent fluid guarantees a long operating time.

BELTGUARD BENEFITS

HIGH CLEANING EFFICIENCY

ECONOMICAL IN USE

OPTIMALLY HARMONIZED WITH SPRAY SYSTEM



The MF2500 is great value for money. Dynapac conveying technology and key synergies with large pavers ensures low cost of ownership.



SAVINGS ON INVESTMENT

The MF2500CS feeders are ready to take the SwingApp. This gives the flexibility to keep the initial investment low. Invest only on the MF2500CS and choose to buy the SwingApp later on as required. The same SwingApp can be mounted on any MF2500CS keeping the fleet of feeders lean. Add-on SwingApp gives the incredible flexibility to respond fast to changing jobsite requirements.



SAVINGS ON TRANSPORT

Massive savings on transport – thanks to compact and light design. No time and money is wasted on special transport permits.



SAVINGS ON WEAR PARTS

The robust design of the conveyor keeps wear, and hence maintenance costs, very low. The quick and easy addition of SwingApp means you only need use it where the application requires the extra flexibility, so reducing wear and maintenance costs, and increasing the life of the belt.



SAVINGS ON FUEL

Drive and control are optimized to achieve the best out of the machine. The MF2500's optimised conveying technology, including the roller chain path and special alloy plates, mean the fuel consumption is best in class.



SAVINGS ON SERVICE

Thanks to our All-in-one-box concept you can plan preventative maintenance with ease. All parts required for preventative maintenance and wear are easy to order with delivery in one package. Our new mechanical belt connection also ensures easy belt change over in the field saving time and money, to ensure high uptime.

All machines can also be connected with Dyn@Link package to create automatic service notification as well as fault analysis by our trained technicians.



DYNAPAC MOBILE FEEDERS

	MF2500CS	MF2500CS SwingApp	MF2500CM
WEIGHT			
Weight, t	20	24.5	21
DIMENSIONS			
Basic width, m	2.55	2.55	2.55
Transport length, m	9.20	15.30	10.30
Transport height, m	3.10	3.10	3.10
CAPACITY			
Feeding capacity, t/h	4000	2000	4000
MATERIAL HOPPER			
Dumping height center, mm	580	580	580
Hopper width (internal), mm	3255	3255	3255
Hopper capacity, m ³	7	7	7
TRACTION			
Operating speed, m/min	25	25	25
Transport speed, km/h	4	4	4
ENGINE			
Engine model (Stage IIIA/V)		Cummins QSB6.7-C220/B6.7-C225	
Engine power @ 2200 rpm (Stage IIIA/V), kW	164/168	164/168	164/168
Electrical system, V	24	24	24
Fuel tank capacity, l	300	300	300
CRAWLER			
Crawler length, mm	3900	3900	3900
Crawler width, mm	320	320	320
Final drive	Hydrostatic direct drives comprising planetary gear units and hydraulic motors, integrated in the crawler track frame		
CONVEYOR			
Conveyor type		Rubber belt mounted on two chains with metal stiffeners	
Conveyor width, mm	1200	1200	1200
Conveyor speed	Constantly variable	Constantly variable	Constantly variable
Feeding height, m	2.2 up to 2.5	1.3 up to 4.35	2.1 up to 3.0
NOISE EMISSIONS			
Sound capacity level, LWA	105 dB(A)	105 dB(A)	105 dB(A)
Sound pressure level at the operator's position (at the height of the head), LAF	87 dB(A)	87 dB(A)	87 dB(A)
Vibration acting on the entire body	<0.05 m/s ²	<0.05 m/s ²	<0.05 m/s ²
Vibration acting on hands and arms (DIN EN ISO 20643), ahw	<2.5 m/s ²	<2.5 m/s ²	<2.5 m/s ²

Your Partner on the Road Ahead