DYNAPAC MF2500CS WITH IMIX

MF2500CS
MF2500CS with SW6500 Swing App

Challenging the status quo of traditional MTV's



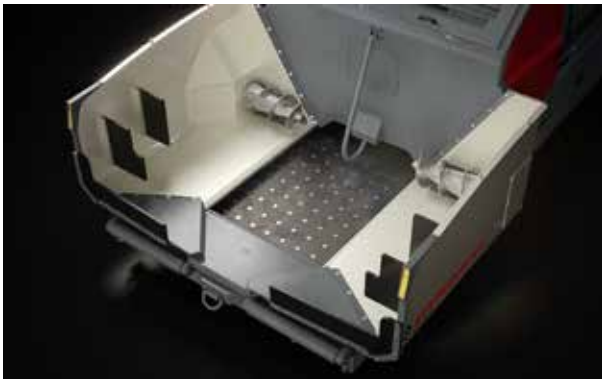
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The Right Machine for High Quality Results

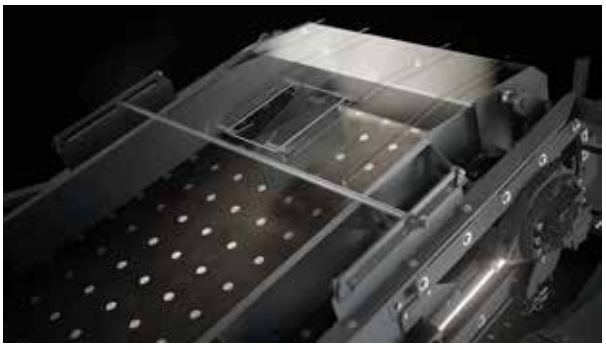
The heart of the Dynapac Material Transfer vehicle (MTV) IMix-system is the combination of three smartly positioned devices: Conical auger in the hopper, a flow divider in the conveyor and a mixing system at the end of the main conveyor.

The augers in hopper pushes the large particles which are stagnant at the colder outer sections on the material hopper towards the middle of the conveyor to join the main flow. The material in transported by the movement of the belt to the top. Here the flow of material is split by a flow divider into two streams and these streams of material are again mixed and blended at the end of the conveyor by an auger mixing system before leaving the main conveyor. This unique arrangement equalize temperatures within the mix and blends large and small size aggregates. The result can be seen in homogenous and long-lasting road quality.



MX Stage 1

The augers in hopper pushes the large particles which are stagnant at the colder outer sections on the material hopper towards the middle of the conveyor to join the main flow.



MX Stage 2

The material is transported by the movement of the belt to the top. Here the flow of material is split by a flow divider into two streams and these streams of material are again mixed and blended at the end of the conveyor by an auger mixing system before leaving the main conveyor.



Savings on your investment

Normal transport: 8ft 6in width

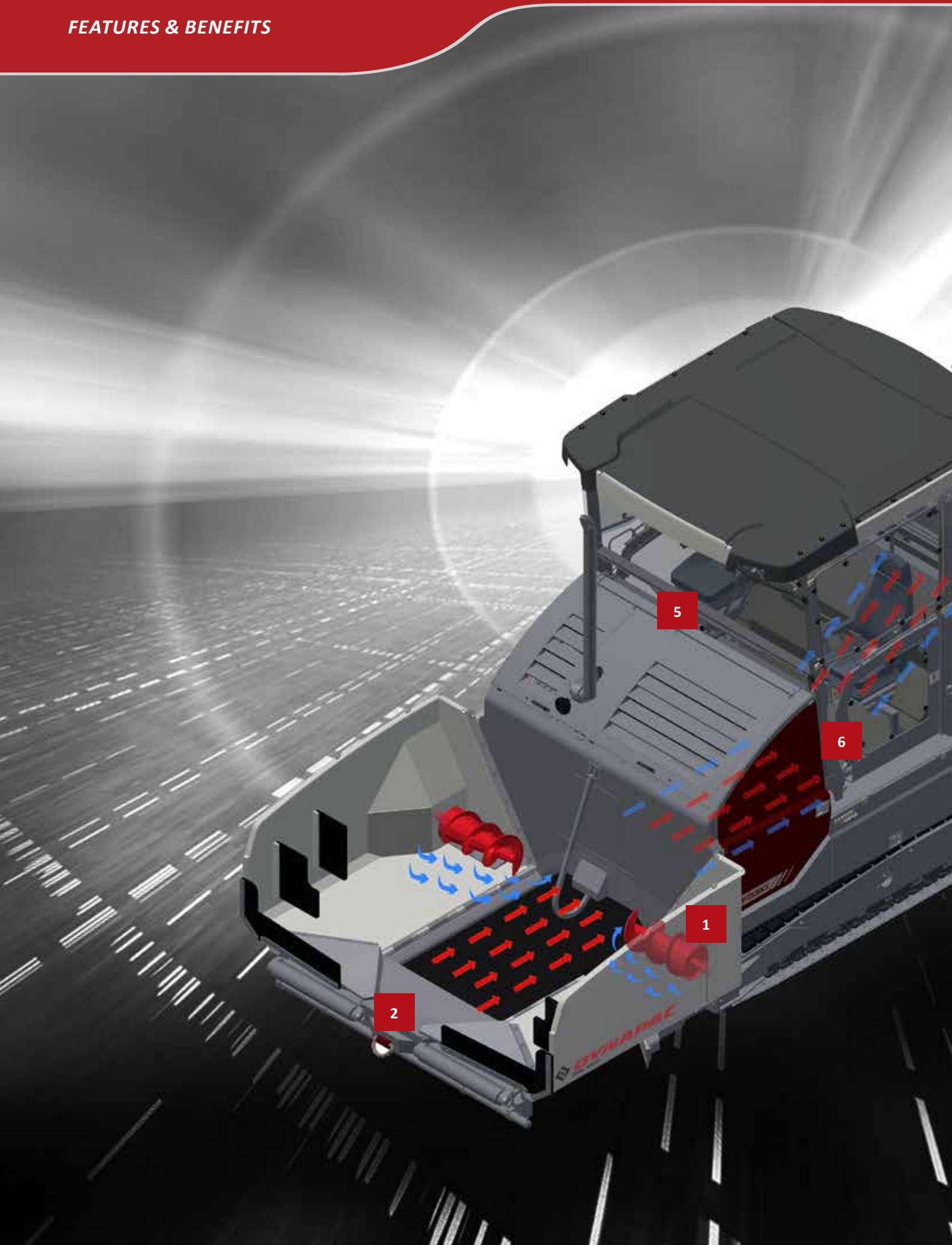
Up to 3500 hours belt lifetime: Conveyor belt concept designed for asphalt can be used on other dry materials such as RCC and Base Course.

Less than 2.5 gal diesel per hour: Efficient power concept

Reduced wearing: Minimum number of wear parts

No unnecessary cleaning effort: Possibility to adapt release agent dosage to the actual material mix




5
6
1
2



1 ***MX STAGE 1:*** Conical augers push proportional the cold material from the outer area to the main hot material stream.

2 Wide conveyor belt, large tunnel ensures bulk material transfer.
Bulk material transfer and covers ensure that the mix stays hot.

3 ***MX STAGE 2:*** Flow divider in the conveyor + mixing system at the end of the main conveyor.

4 Limited number of transfer points reduce risk of asphalt ooling and segregation, which has a negative impact on the material and lifetime of the road.

5 Main dashboard with large display allows to control and set all required parameters for a homgeneous mix.

6 High torque of the hydraulic pumps - colder material is pushed actively to the center.

7 Fast conveyor speed compensates unexpected delays from the trucks.



SWINGAPP FOR HIGHEST FLEXIBILITY

With the unique Dynapac SW6500 a standard MF2500CS can be transformed into a swinging feeder in less than 30 minutes. The hydraulic jacks and quick couplings on hydraulic; electrical connections make the mounting easy and convenient.
With a swing angle of 55° and a side reach of 12.5ft, the Dynapac MTV is a perfect machine for offset feeding, echelon paving, and transfer over barriers.



Smart Material Transfer

The filling sensor on the conveyor end monitors the filling degree in the paver hopper and controls the belt speed automatically. The beltguard release agent quantity can be dosed precisely according to the 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.
Due to the LED-bar at the back of the feeder canopy the paver operator is always informed about the status of the DistanceAssist system.

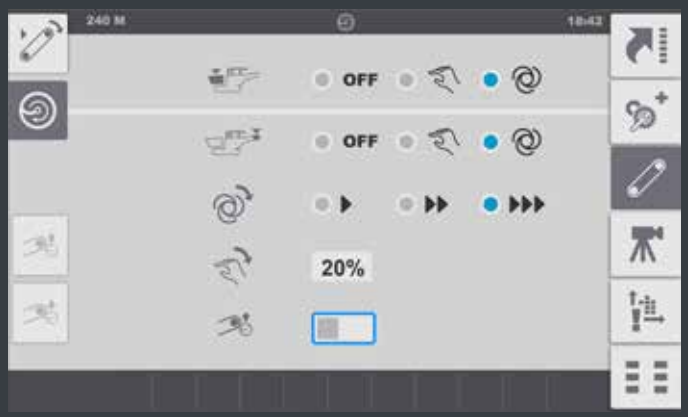
Full Control at a Glance

From the main screen the operator has the complete overview off all essential parameter like IMIX, feeding parameters and fluid levels. Warning sounds call attention of the operator to e.g. high engine temperature or low fuel level.



IMIX Settings

Since every jobsite is different, the parameters of IMIX can be adjusted to the requirements: Automatic vs. manual mode or speed. IMIX can also be switched off/ lifted up, when cold material is conveyed.



DYNAPAC MOBILE FEEDER

	MF2500CS With SW6500	MF2500CS IMIX With SW6500
WEIGHT		
Weight, t	27	27.5
DIMENSIONS		
Basic width, ft	8.3	8.3
Transport lenght, ft	46.9	46.9
Transport height, ft	10.1	10.1
CAPACITY		
Feeding capacity, t/h	2200	1786
MATERIAL HOPPER		
Dumping height center, ft	1.9	1.9
Hopper width (internal), ft	10.6	10.6
Hopper capacity, ft^3	212	212
TRACTION		
Operating speed, fpm	82	82
Transport speed, mph	2.5	2.5
ENGINE		
Engine model (Stage IIIA/IV)	Cummins QSB6.7-C225	
Engine power @ 2200 rpm Electrical system, hp	225	225
Electrical system, V	24	24
Fuel tank capacity, gal	80	80
CRAWLER		
Crawler length, ft	12.8	12.8
Crawler width, ft	1.04	1.04
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, ft	3.9	3.9
Conveyor speed	Constantly variable	Constantly variable
Feeding height, ft	4.25 to 14.3	4.25 to 14.3

3492 1052 93 - March 2020

Your Partner on the Road Ahead

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