Sincerity Perfection Efficiency Innovation

Business Distribution

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LUTEC

6 m / 8 m Concrete Paving Equipment

SMC-6600 Cement Slipform Paver

Contents

Cost-effective Concrete Paver

The SMC-6800 cement concrete slipform paver is a multifunctional cement concrete construction equipment independently developed by our company, widely used in the construction field of cement concrete structures such as various levels of roads, airports, agricultural irrigation channels, railway concrete bases and bridge bases.

This machine has a large power reserve, full electronic control, full hydraulic power drive, four-track travel, and is equipped with an automatic steering and automatic leveling control system. It can complete the process of material feeding, vibrating compaction, tampering and slurry lifting, oscillating beam leveling and super smoother troweling of cement concrete structures in one go, replacing traditional processes and greatly improving the paving speed and construction quality of cement concrete structures.

The SMC-6800 four-track cement slipform paver has won the trust and first choice of customers with high cost-effectiveness based on advanced technology and superior performance guarantee. Within the working range of 8 meters wide and 45 centimeters thick, more optional accessories can be provided to meet special working conditions and mold methods, providing customers with a competitive advantage. In recent years, continuous improvements have been made in environmental protection, energy conservation, main framework, more convenient handling, and stability to meet the high-quality requirements of harsh environments and long-term construction.

*A wider or narrower paving width is optional. Please consult Jiangsu Siming Factory for specific requirements.

Highlights of SMC-6800 Slipform Paver

Open operating view, good operating experience

While standing in front of the operator's console to control the machine, the operator can see the important working mechanism including the feeding device, hopper and mold. The components on the operator's console are designed with a humanized concept and arranged in a clear and logical way, so that the operator can determine the position of the functional components with just a glance, and the control response is quick.

Multiple steering modes with excellent performance

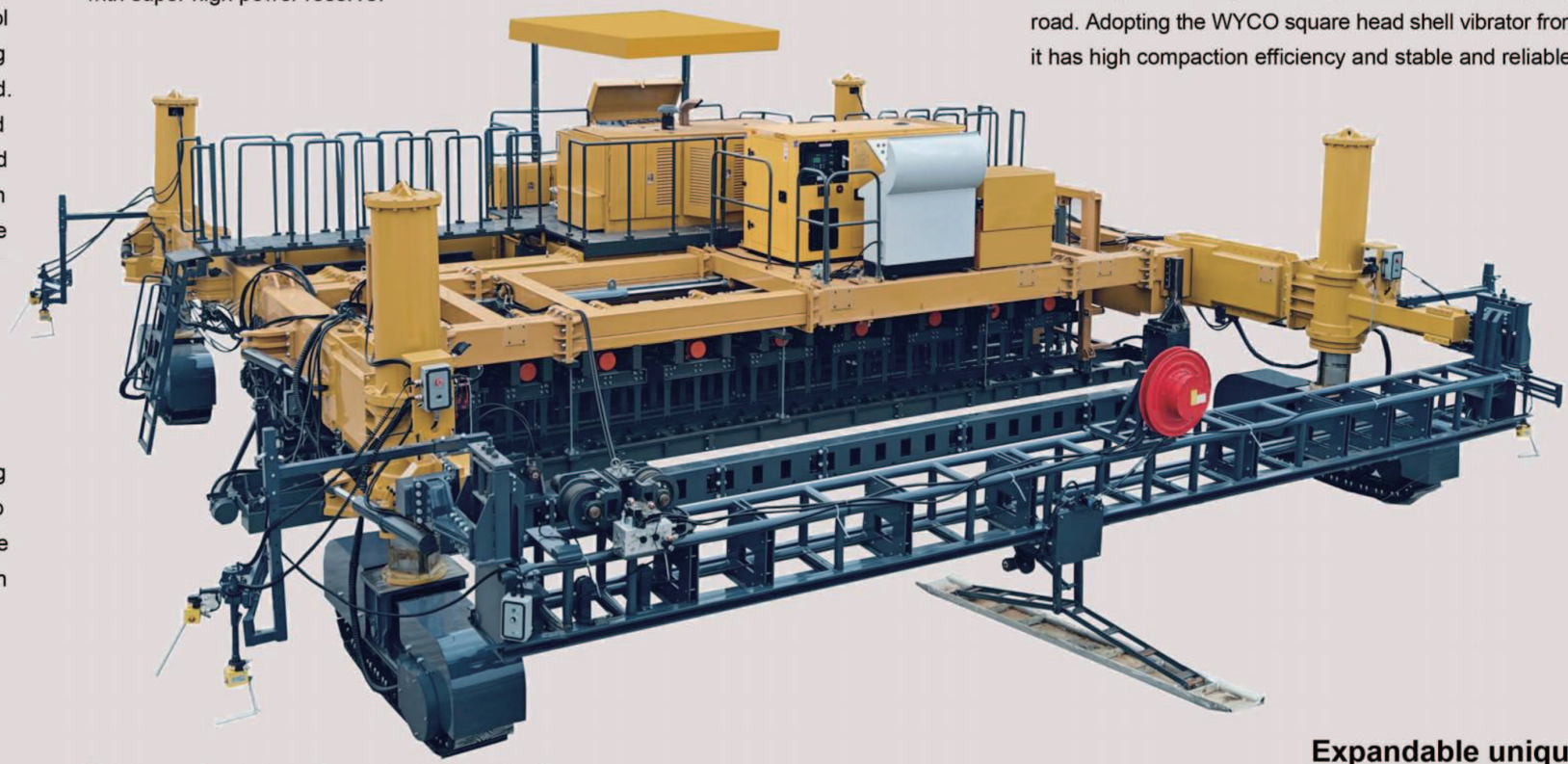
There are various steering modes for this machine, including front steering, rear steering, coordinated steering, crab steering, and in-situ steering modes. Further improving the mobility of the machine, even in narrow passages, it can achieve magnificent steering.

Strong and stable track travel system

Each track adopts a large speed ratio reducer and a high-quality international brand hydraulic motor, which has high torque and strong driving force. It travels steadily at low-speed paving, meeting the paving requirements of large cross-section structures at low speed.

Efficient engine energy-saving management system

This machine has an ECO energy-saving mode. When in high-speed transfer mode, the engine will match the optimal working speed according to the working conditions of the machine. So it can save energy, reduce consumption and exhaust emissions. It has a National 3/4 engine with super high power reserve.



Fast and convenient transportation

The design is convenient for transportation and can quickly change the equipment status to comply with relevant transportation regulations.

Compact and expandable mold structure

Under paving conditions, the distance between the mold side plate and the outer edge of the track is small, the structure is compact, and only a smaller road base width is required, which can adapt to the construction environment of a small working space.

Stable and reliable control system

The machine has one friendly interface with a color screen displaying numerous parameters,and the layout of control buttons is reasonable and intuitive. So it is easy to learn and use them. Monitoring the working status of various driving components of the machine is conducive to rapid troubleshooting. The operating platform is spacious, with a wide range of activities for operators, good visibility, and few blind spots.

More expandable hydraulic interfaces for vibrators

Adopting the load compensated manual speed control valve with high stable output flow, the frequency adjustment of the vibrator is smooth, stable, and reliable.Equipped with standard 16 way vibrator circuits, it can be expanded to 22 ways according to needs, meeting the paving requirements of wider road. Adopting the WYCO square head shell vibrator from the United States, it has high compaction efficiency and stable and reliable performance.

Expandable unique applications

Optional oscillating beam
Optional super smoother
Optional side tie bar inserter
Optional middle tie bar inserter
Optional dowel bar inserter
Optional vibratior speed monitoring system

Machine Overview

1. Track protection shell
2. Hydraulic adjustable leg height
3. The control panel displays graphics and text, and the interface parameters are clear and concise
4. 8+8+6 sets of hydraulic interfaces for vibrating rods
5. Extremely sturdy machine structure, assembled frame can be adjusted according to on-site conditions as needed
6. Hard fabric spiral, two independent hydraulic drives on the left and right sides, can be operated in both forward and reverse directions
7. Four emergency stop devices that can stop the machine in special situations
8. The lifting column is equipped with a steering oil cylinder, which can achieve the turning of the track, ensuring maximum flexibility on the work site
9. Equipped with mudguard
10. Extended version of retractable escalator for easy access of personnel
11. Mold with telescopic oil cylinder, adjustable height up and down
12. Hydraulic swing arm and mechanical widening, suitable for fast transition and different working conditions requirements
13. Channel style driving bridge with a wide field of view
14. Engine hood door for easy maintenance and repair of the engine
15. Sturdy roof provides shelter from wind and rain
16. Optional DBI insertion device, realizing automatic/manual control mode, and equipped with synchronous insertion system
17. Super smoother ensures perfect surface quality
18. Foldable leveling bracket that can adapt to different working conditions
19. Optional Heavy eccentric driven smoothing beam eliminates surface irregularities and ensures a uniform layer of grout on the concrete surface
20. Optional pull rod driving device for automatic/manual driving operation

SMC-6800 Endows the Road Surface with Higher Strength and Stability

Reinforced steel bars are laid in the road , resulting in higher compressive strength.

During the paving process,SMC-6800 can be equipped with additional high-tech components to enhance the insertion of reinforcement bars into the concrete pavement. These components include side tie bar inserter and middle tie bar inserter.

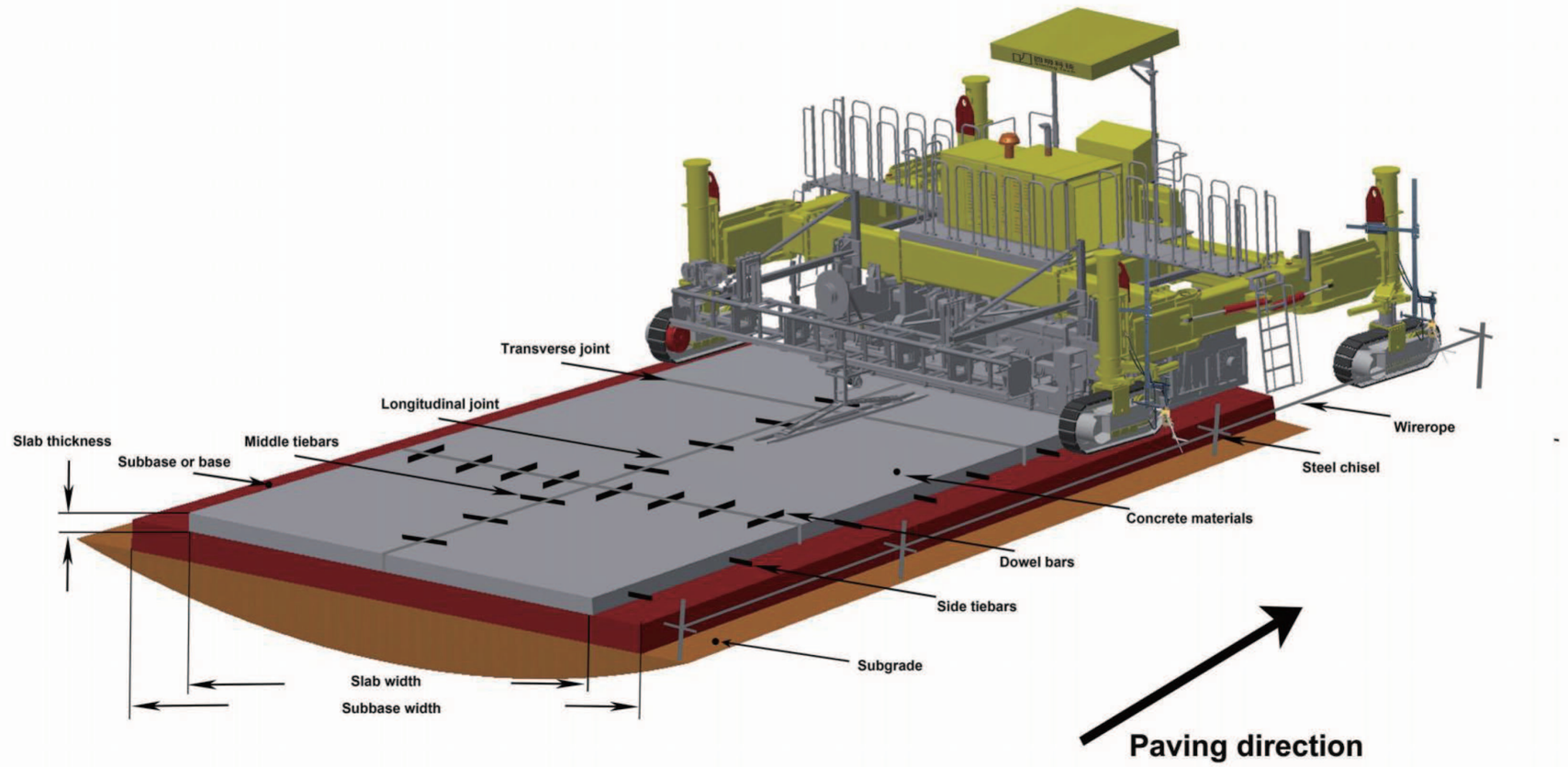
Insert the dowel bars covered with plastic coating into a high-strength concrete pavement,with the purpose of ensuring that adjacent concrete pavement panels have the same elevation while ensuring good load transfer between different slabs. The integrated DBI inserts the dowel bar into the correct position in the concrete pavement.

The DBI is installed on the machine and can move along the paving direction until the dowel bar is accurately inserted into the concrete.

The middle tie bar is usually inserted into the design position of the longitudinal joint of the concrete pavement to prevent the displacement of adjacent pavement slabs in the longitudinal joint.

The side tie bar inserter can provide convenience when paving a wider concrete pavement in multiple lanes.

SMC-6800 Paving Diagram



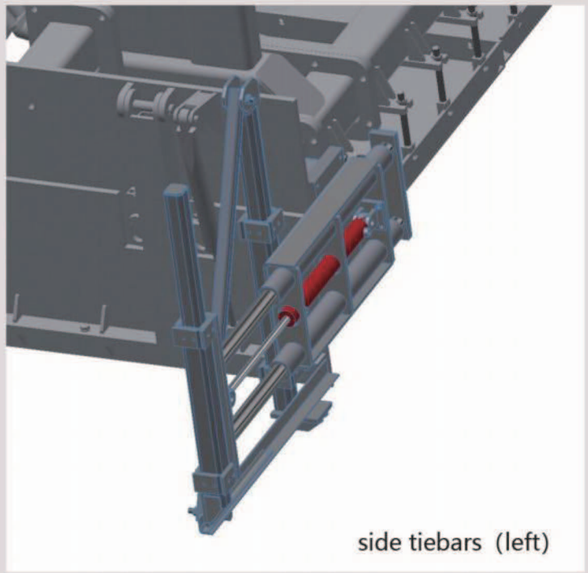
Modular Concrete Paving Package

The modular design of the concrete paving package expands the application range of the machine and provides users with a wide range of versatility. The machine design is excellent, with a minimum working width of 3.5 meters, which can be expanded to 8.0 meters and even up to 9.0 meters through mechanical assembly.

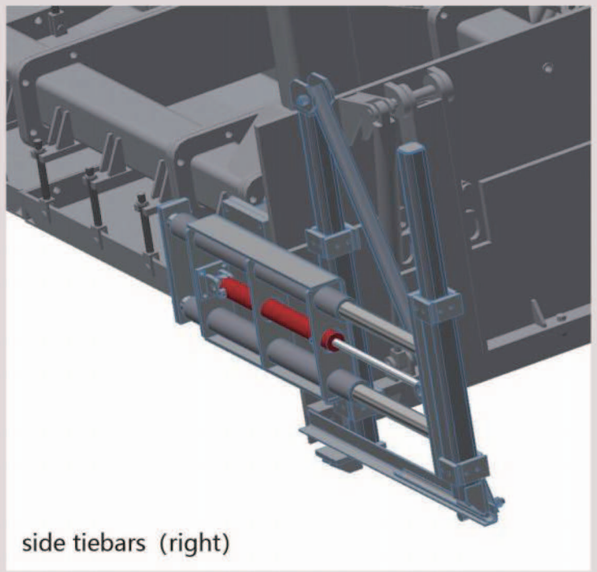
The spreading auger evenly distributes the concrete along the entire paving width, and the distribution system and paving mold both adopt modular design, which can be flexibly extended according to the paving width.

Optional modules include side tie bar inserter, middle tie bar inserter, oscillating beam, and super smoother.If necessary, a template with a central curvature adjustment function can also be provided for the paving package to pave a road surface with curvature.(Under development)

The machine comes standard with 16 hydraulic vibratior interfaces, and can be customized to add 6 circuits.



side tiebars (left)



side tiebars (right)

01 The spreading auger can be reversed to ensure that the concrete in front of the mold is evenly distributed.

02 The embedded tampering device tamps the large aggregate below the surface of the forming mold, ensuring the thickness of the slurry layer on the surface of the pavement.

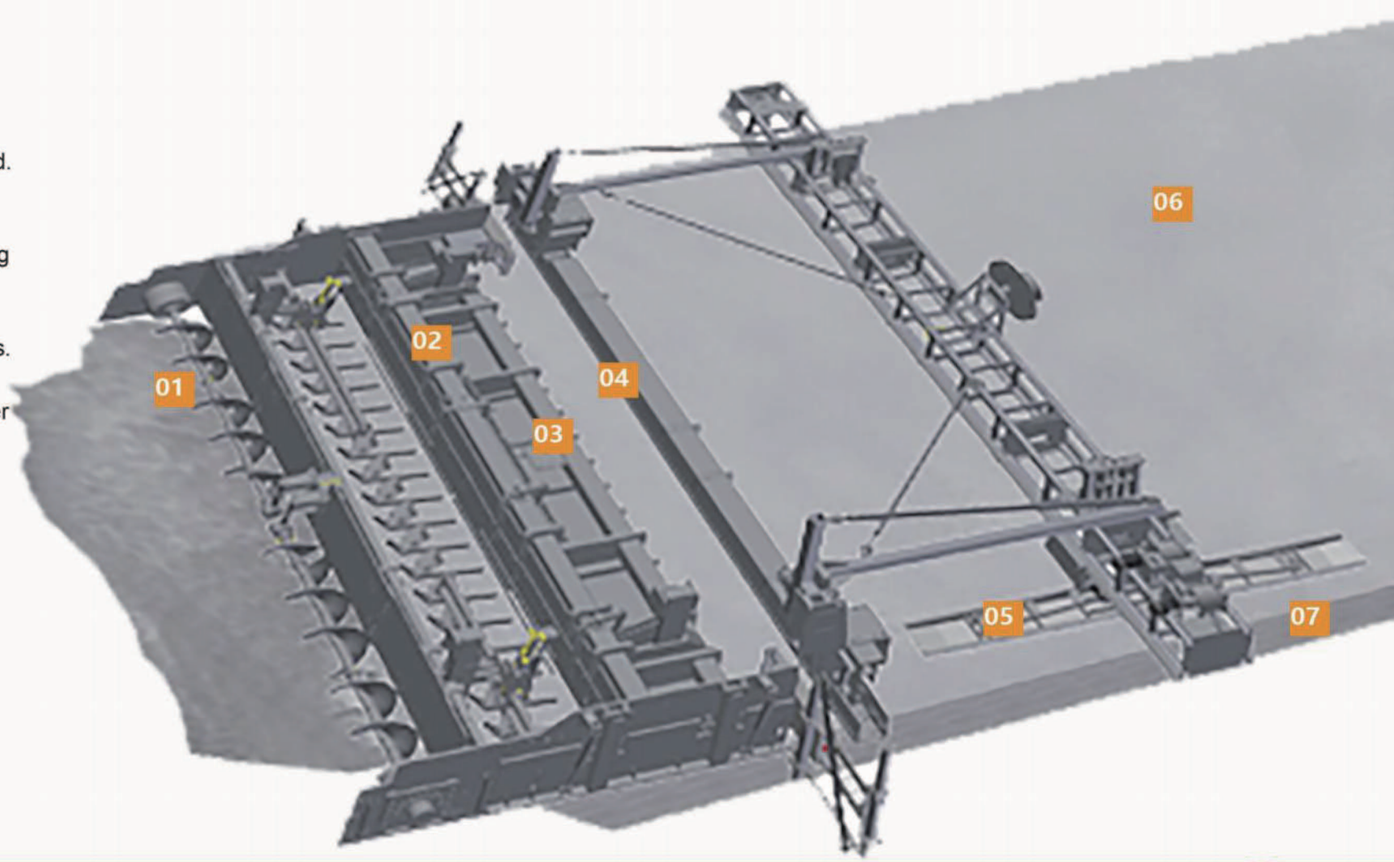
03 The bottom plate of the mold is sturdy and wear-resistant, and can be replaced, reducing maintenance costs.

04 The heavy-duty eccentric driven oscillating beam eliminates surface defects and ensures a uniform layer of concrete surface slurry.

05 The super smoother made of special materials ensures perfect surface quality.

06 The paving width of high-quality concrete pavement can reach 8 meters.

07 The thickness of high-quality concrete paving can reach 450mm.



Wide Operating View

SMC-6800 has excellent operator visibility.An independent operator platform with a channel style operating space makes operator feel comfortable. The operating platform is within the comfortable field of view for the operator, and the machine's status parameters can be quickly read with just a glance.The telescopic channel not only provides a safe passage, but also allows operator to choose the optimal position to operate the machine, with a wide field of view, allowing for a panoramic view of the front and rear positions of the mold, the height of the vibrating bin material level ,the spreading auger, and the concrete transport vehicle. The SMC-6800 is equipped with emergency stop devices at all four corners of the machine.

Advanced Electrical Control System

Advanced CAN-BUS bus communication system is adopted between the console and the main controllers, so the system is simplified and reliable; The console adopts a user-friendly widescreen LCD color graphic display, which integrates functions such as fault diagnosis, status display, and prompt alarm. The working status of the emachine is clear at a glance. The system voltage is 24VDC.

界面友好的宽屏液晶显示屏，整机状态一目了然。

Excellent Steering,Grade Control Technology

The automatic control system of this machine includes automatic control of steering, grade and slope. The sensors and controller are connected through CAN bus communication, and are equipped with four grade sensors, two steering sensors.

Self diagnosis and intelligent steering control for slope and steering to ensure paving accuracy and ease of operation.

The leveling bracket adopts a foldable bracket, which can be flexibly adjusted in position according to the construction site.

High-Precision
3D Wireless Control System (Optional)

System features:

The system is more cost-effective and efficient

▶ A single station can achieve dual machine parallel paving construction, and two total stations can achieve continuous non-stop construction. The system configuration is simpler and more economical.

▶ Innovative construction methods simplify the construction process, eliminating the need for layout, piling, and tensioning, saving construction personnel and time investment.

▶ Continuous construction during station change, automatic recognition, one click station change, fast and efficient.

▶ A truly high-precision millimeter level system enables the scientific and effective implementation of raw material savings.

Good system usability

▶ Adopting a true color touch screen, supporting Chinese display, with low usage threshold and simple and convenient operation, it can be proficiently mastered through short-term training.

▶ The software interface can display the current operation status in real time, measured distance, set value, error size, output quantity and other parameters directly through the LCD screen, easily achieving dynamic quality management and strict control of construction quality.

▶ The paver can be used without any modification.

High system digitization accuracy

▶ Fully digital structure, high-frequency automatic data acquisition, and automatic control of equipment movement posture.

▶ The system automatically and accurately controls construction according to the design, reducing interference on the construction site.

▶ Not only does it accurately control the absolute elevation of the paving layer, but it can also balance the smoothness and smoothness of the paving, providing first-class paving effects; Especially in the control of bends, automatic slope changes, and ultra-high sections, it has advantages that traditional techniques cannot replace.

▶ Unique data feedback system for more stable and accurate system control.

Strong system stability

▶ Minimalist configuration, convenient for the total station robot to choose a reasonable installation position, quick station switching, continuous and precise control, and no interference from multiple total stations.

▶ Automatic control can be achieved with just one input, automatically identifying station changes, avoiding human error, and making construction more reliable.

▶ When the signal is blocked or there is no signal, the system defaults to locking and alarming, and the paving is uninterrupted.

▶ Automatically identify fault types and effectively eliminate the impact of vibration and other interference factors on induction and control.

Wide system adaptability

▶ The storage of construction data is large, making it convenient for regular management and transmission.

▶ All weather operation, unaffected by night and ambient light, with consistent accuracy, can shorten the construction period and effectively ensure the smooth progress of construction.

▶ Suitable for complex working conditions, able to work well in special working conditions such as interchanges, ramps, mountain roads, bridge heads, culverts, manhole covers, large slope changes, and small radius bends; Especially suitable for working conditions such as high-speed trains, tunnels, underground spaces without GPS signals or high-precision operations.

▶ Modular design, the controller can be compatible with various leveling systems, suitable for various electronic control models.

Energy Saving and Environmentally Friendly Engine Technology

The engine is equipped with a Shangchai SC7H240G4 diesel engine with high-pressure common rail injection control, which meets the national fourth stage emission standards. It has high power and low fuel consumption, with a comprehensive fuel consumption of 22.5 L/h and a full load fuel consumption of 35.9 L/h; Equipped with a water-cooled engine, it has strong power and reliable operation. Equipped with parallel three in one large-sized heat sinks, the heat dissipation effect is significant.

Hydraulic system: Adopting load sensitive variable control, supplying oil according to actual load size and speed, energy-saving.

Hydraulic pump: Four pump load sensitive hydraulic system, DANFOSS imported brand.

Hydraulic oil cooling: equipped with a large-sized radiator and forced air cooling.

Hydraulic oil filter: equipped with suction filter, high-pressure filter, and return oil filter, with a filtration accuracy of 10 μm.

The load optimized ECO mode engine management reduces the workload of operators

Concrete Spreading System with High Flexibility

Auger Spreading system:

Directly driven by a low-speed high torque hydraulic motor, with a compact structure and high reliability; The left and right spreading augers are independently driven, resulting in efficient feeding and more uniform material levels; Hydraulic adjustment of material door height can effectively reduce the impact of material level on the paving accuracy.

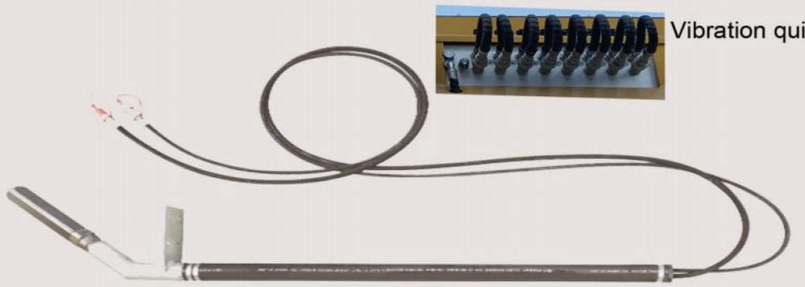
Auger diameter: 350 mm

Auger speed: 0-33 rpm

High Efficient Hydraulic Vibration Compaction System

The concrete vibration compacting system adopts full hydraulic transmission, consisting of variable displacement pump, hydraulic valve, and hydraulic vibrator, all of which are well-known imported brands. The hydraulic valve adopts a plug-in type, the vibration valve group is compact, and installation and maintenance are convenient. The frequency of the vibrator is controlled by a pressure difference compensation type manual speed control valve, which ensures smooth and more stable vibration frequency adjustment.

The standard configuration of this machine is 16 vibrator circuits, each in parallel, and the vibration frequency is independently adjustable. According to needs, 6 vibrator circuits can be expanded to meet the paving needs of larger cross-sectional structures.



Vibration quick connectors

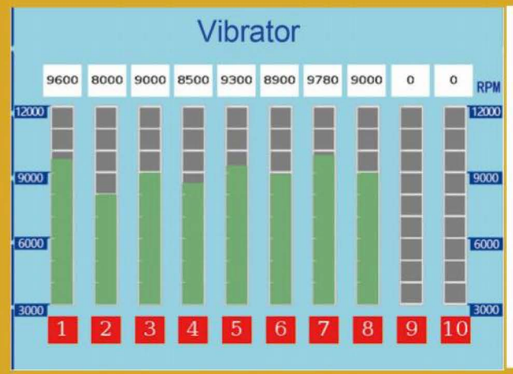
Vibration frequency adjustment knobs

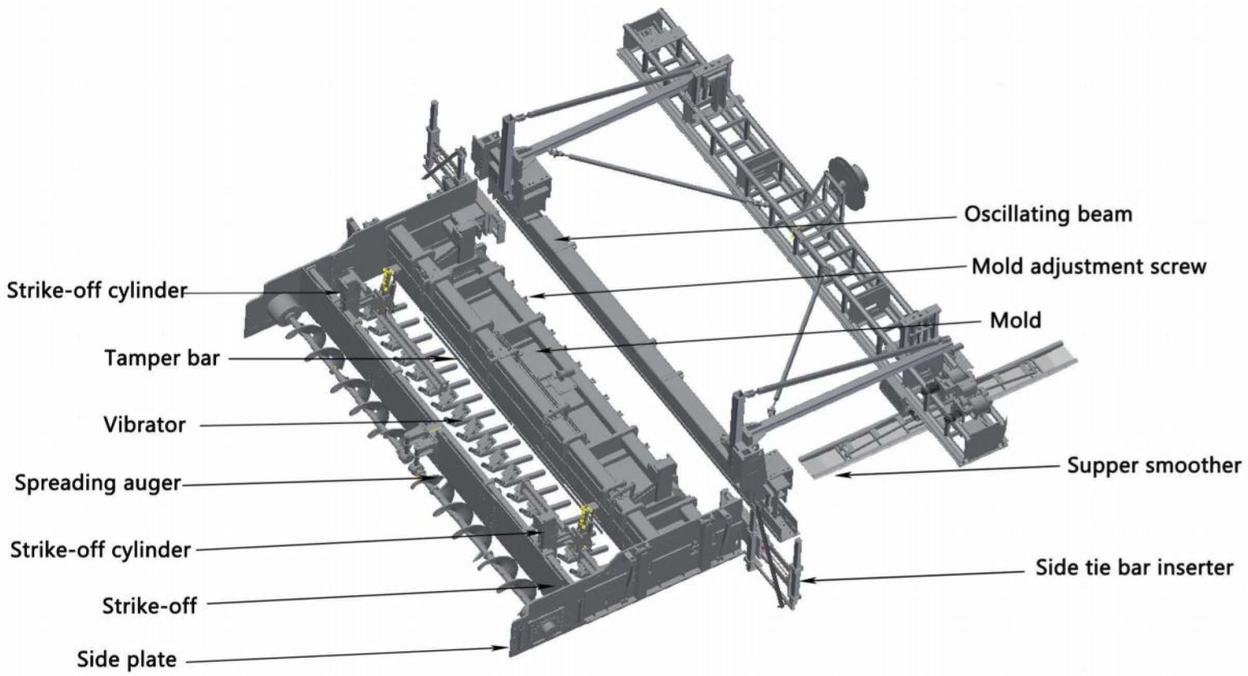
Vibrator Speed Monitoring System (Optional)

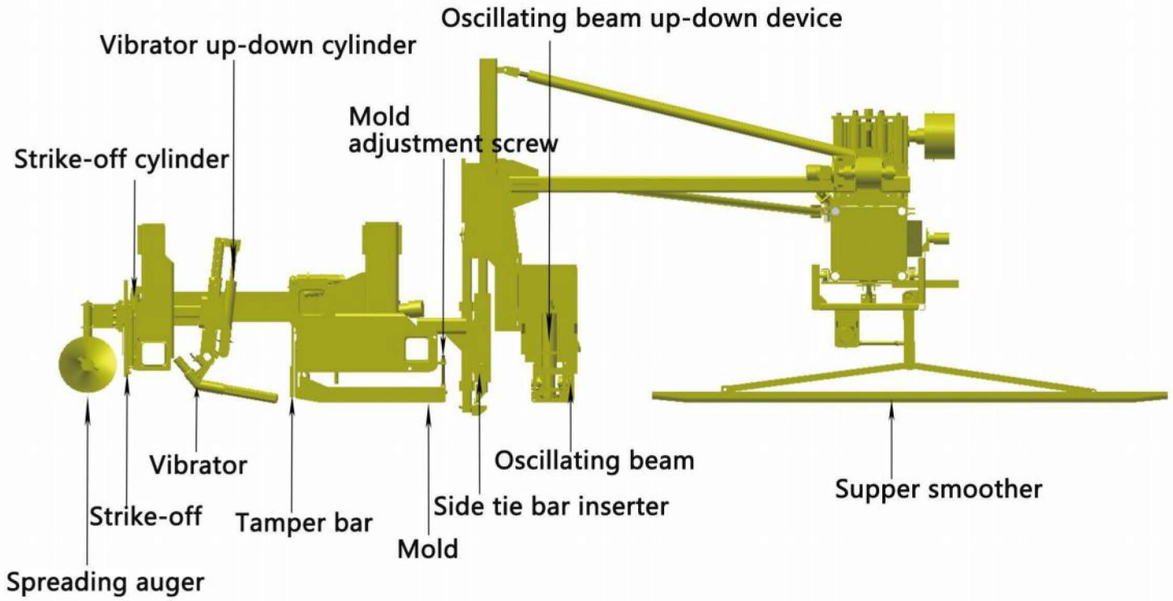
The sensor communicates with the display through a junction box using CAN bus,making system wiring simple.

The vibration frequency of each vibrating rod is displayed on the display through a bar graph and speed value, which is clear at a glance.

The minimum and maximum speed alarm values of the vibrating rod can be set on site according to the requirements of the working conditions. Real time alarm display is provided for vibrating rods with vibration frequency exceeding the limit, guiding operators to troubleshoot in a timely manner.







High Quality Servo Valve Control Column Lifting

The valve of international brand is chosen to drive the lifting and lowering of the leg, with faster response ,smoother action and better flatness control.

Convenient Transportation Methods

The ceiling is foldable, convenient and convenient, and transportation is not too high, so there is no need to dismantle it for transfer transportation; In the non working state of optional mechanisms such as dismantling and plastering panels, if the equipment width is less than 3 meters but greater than 2.7 meters, it can be manually loaded and unloaded by a 3-meter trailer without the need for a large crane for transportation, effectively reducing transportation costs for daily use and adapting to the needs of frequent transfers.

The hydraulic rotary arm is easy to transport and can quickly switch the four rotary arms from the working position to the transportation position within a few minutes, and vice versa, which makes the SMC-6800 highly efficient in the workplace Flexibility.

Flexible and Smooth Steering Device

Using a hydraulic cylinder device to drive the track steering, the steering angle reaches ± 40 °, greatly improving the mobility of the paver. The pre construction positioning is more efficient and the transition is more agile.

Choose heavy-duty tracks that are enlarged and widened to provide sufficient driving adhesion.

The convenient ladder can be manually folded for transportation.

The canopy s lightweight, easy to disassemble, and does not exceed the height during transportation.

Excellent Performance in Multiple Steering Modes

The SMC-6800 is equipped with an intelligent electronic steering control system that ensures precise steering performance and paving results. The tried-and-tested Ackermann steering system also allows the machine to make the most of its turning advantages in the corners. The intelligent steering system controls the steering angle of each crawler at the bend and adapts to its track radius, so that the machine's crawlers turn around the same center with smooth, drag-free travel.

The machine has a variety of steering modes, such as front steering, rear steering,crab steering, cooperated and in-situ steering, etc.

Multiple steering modes:

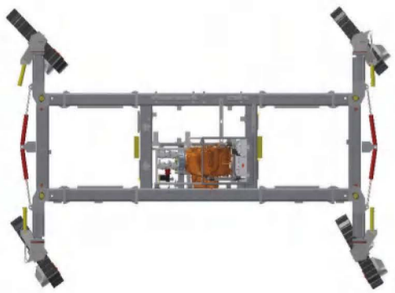
(1) The operator panel is equipped with a selector switch for different steering modes to ensure the ideal maneuverability of the machine.

(2) The speed and steering angle of each crawler can be adjusted automatically according to the crawler distribution of the paver.

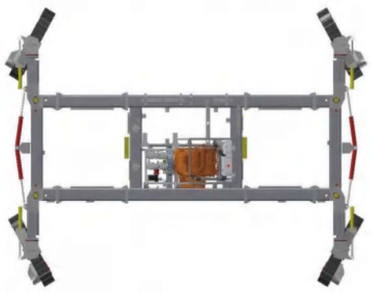
(3) Multiple steering modes are available for more flexible and faster positioning at the paving site.

Front Steering

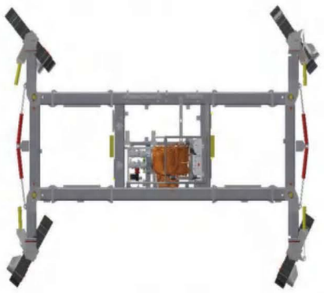
rear steering



Crab Steering



In-situ Steering



Coordinated Steering

SMC-6800 offers different steering modes

Reliable and Stable Walking System

SMC-6800 is driven by four crawlers with full hydraulic drive and stepless speed adjustment. The machine adopts digital controller and intelligent control technology in the traveling drive control, which is driven by high performance hydraulic motor, so that it has superior low-speed stability performance and meet the requirements of slow continuous operation with large width and thickness, effectively reducing the risk of slipping in harsh working conditions.

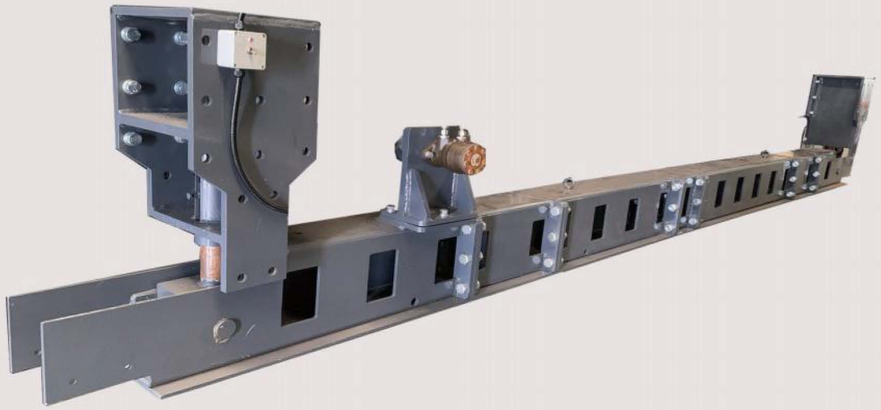
The walking drive adopts a trinity integrated structure (plunger motor + large speed ratio planetary reducer + parking brake) with compact structure, high driving torque, safety, reliability and easy maintenance. The travel motor is a two-speed variable motor with large high and low speed ratios, which greatly improves the transit speed in high-speed gear mode while meeting the paving speed requirements.

In the paving condition, the distance between the mold side plate and the outer edge of the track is small, the structure is compact, and only a small roadbase width is required, which can adapt to the construction environment of a small working space.

Oscillating Beam （Optional)

Oscillating beam is a concrete finishing device available on SMC-6800, and it must be used when using DBI device. The beam is driven by a hydraulic motor to swing the steering arm back and forth, and is set on the same slope as the rear edge of the paving panel.

The oscillating beam is supported by two manually adjustable "zero gap" rollers with adjustable height. Its angle is also adjustable. Generally speaking, when using a oscillating beam, it is necessary to drag the tail side template. The depth of the trailing side formwork can be adjusted according to different concrete thicknesses, making it easy to remove and can be opened and closed when starting work in the morning.



Super Smoother （Optional)

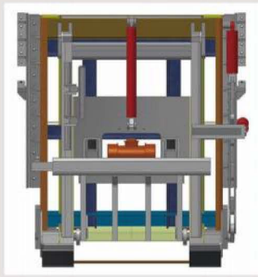
Super smoother, also known as a trowel mechanism or a self swinging collection panel. Super smoother with a bracket is an effective finishing device with a longitudinal surface finishing slide that floats on the concrete surface. The longitudinal skateboard swings back and forth, while moving horizontally back and forth on the road surface. The lateral and longitudinal travel speeds can be adjusted by hydraulic pressure.

The horizontal and vertical movements of the super smoother are both driven by hydraulic system, and the frequency of movement is infinitely adjustable, matching the paving speed. It can effectively eliminate defects on newly paved roads and improve paving quality.

Middle Tie Bar Inserter （Optional)

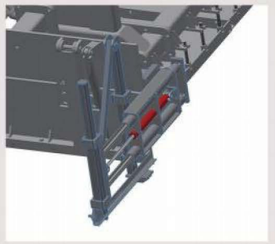
The middle pull rod insertion device allows for the laying of adjacent concrete slabs, preventing them from separating over time.

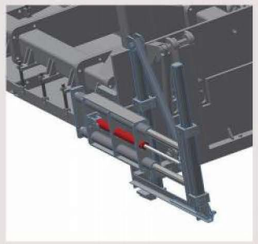
The independent control console of the middle pull rod insertion device allows for adjustment at the construction site.



Side Tie Bar Inserter （Optional)

The side pull rod insertion device is located at the front of the rear track at the end of the mold, and hydraulic pressure is used to press 75 to 85 centimeters of steel bars into the predetermined position from the side of the road. The minimum thickness of the road surface shall not be less than 150 millimeters, and the longest steel bar shall be less than 85 centimeters. Can be used on one or both sides, and can be automatically set for insertion based on the distance or time of movement.





Dowel Bar Inserter （Optional)

The dowel bar inserter is installed in the middle of the frame, between the sliding mode mold and the leveling beam. The control system of the DBI device is fully integrated into the CAN bus system of the sliding mode paver, providing flexible expansion options. The modular design of the DBI allows for adjustment with minimal effort when there are changes in the dowel bar (number, spacing, length, or diameter).

Technical Parameters

Item	Parameter	
Walking Parameters		
Paving speed	0~6 m/min	
Driving speed	0~1.1 km/h	
Max climb capability	≥20%	
Flatness	3 mm/3m	
Engine Parameters		
Manufacturer	Shangchai	Shangchai
Model	SC7H240G4	SC7H180G3
Rated power	177kW/2200rpm	132kW/2200rpm
Displacement	6.5 L	6.5 L
Number of cylinders	6缸	6缸
Cooling method	Water-cooling	Water-cooling
Emission standard	Stage4	Stage3
Comprehensive fuel consumption	22.5 L/h	18.8 L/h
Full load fuel consumption	35.9 L/h	30.3 L/h
Electrical System Parameters		
System voltage	24 V	
Display interface	7 " color display	
Operation control	Software integration control	
Control bus	CAN	

Item	Parameter
Tank Capacity	
Fuel tank	380 L
Hydraulic oil tank	450 L
Water tank	400 l (Standard)+130L × 4 (Optional)
Urea tank(stage 4)	43 L
Basic paving parameters	
Minimum paving width	3500 mm
Maximum paving width	8000 mm
Maximum paving thickness	350 mm(Sliding mode)/480mm(Formwork support)
Maximum work capacity	120 m³/h
Overall weight	30 t
Vibration rod interface and performance parameters	
Number of interfaces	16 (Standard , can add 6 channels)
Vibration rod type	Square shell, hydraulic elbow vibration rod
Adjustment method	Independent manual proportional adjustment
Vibration frequency	0~167 Hz
Body height adjustment	
Hydraulic height adjustment	1000 mm
Mechanical height adjustment	600 mm

Technical Parameters

Item	Parameter
Overall Dimensions (5-meter Wide Mold Transportation/Work)	
Total length	12740 mm/8640 mm
Total width	2800 mm/7300 mm
Total height	2800 mm/4050 mm
Overall Dimensions (6-meter Wide Mold Transportation/Work)	
Total length	11740 mm/7600 mm
Total width	2800 mm/7300 mm
Total height	2800 mm/4050 mm
Overall Dimensions (8-meter Wide Mold Transportation/Work)	
Total length	13740 mm/9640 mm
Total width	2800 mm/7300 mm
Total height	2800 mm/4050 mm
Spiral Fabric System Parameters	
Spiral diameter	350 mm
Spiral speed	0~35 rpm
Vibration and Slurry Extraction System Parameters	
Vibration and impact frequency	0~160 bpm
Vibration and impact stroke	25 mm
Walking Device	
Type	Four track drive walking
Track size(L×W×H)	1830mm×300mm×670mm

Optional	Parameter
Super Smoother(5 Meters)	
Size(L×W×H)	6400×600×550 mm
Weight	1800 kg
Super Smoother(6 Meters)	
Size(L×W×H)	7400×600×550 mm
Weight	1900 kg
Super Smoother(8 Meters)	
Size(L×W×H)	8900×600×550 mm
Weight	2050 kg
Oscillating Beam(8 Meters)	
Size(L×W×H)	5280×250×350 mm
Weight	1700 kg
Oscillating Beam(6 Meters)	
Size(L×W×H)	6280×250×350 mm
Weight	1800 kg
Oscillating Beam(8 Meters)	
Size(L×W×H)	8280×250×350 mm
Weight	2000 kg
Side Tie Bar Inserter(One Set on Each Side)	
Size(L×W×H)	1450×550×200 mm
Weight	200 kg

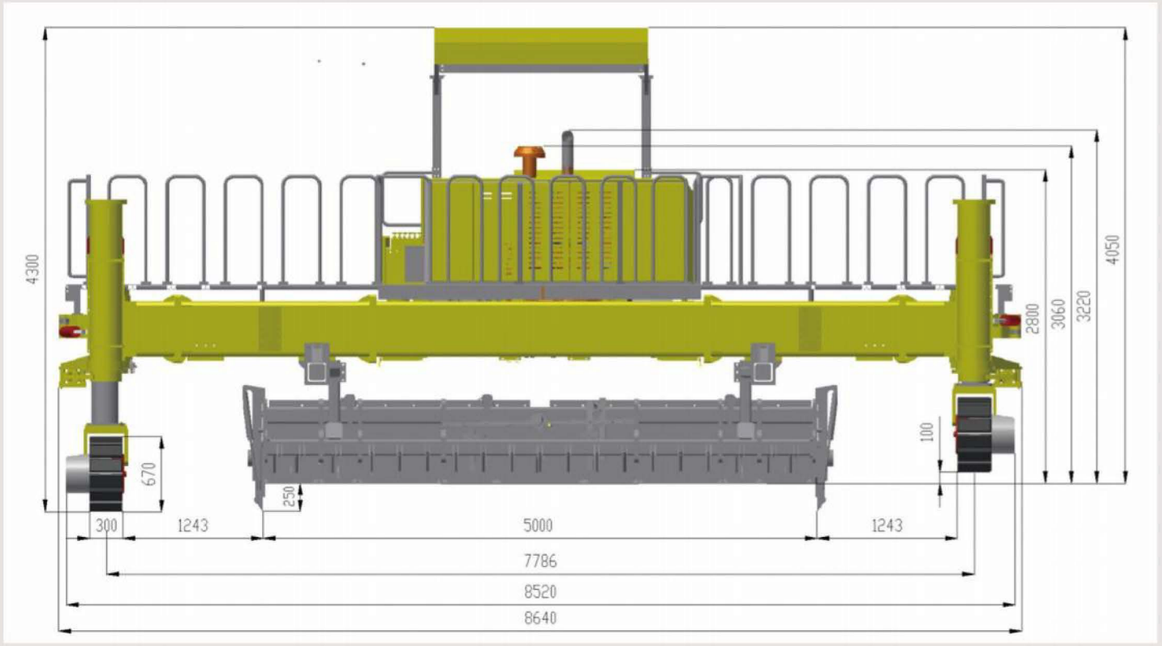
注：具体施工工况请向四明公司咨询

Technical Parameters

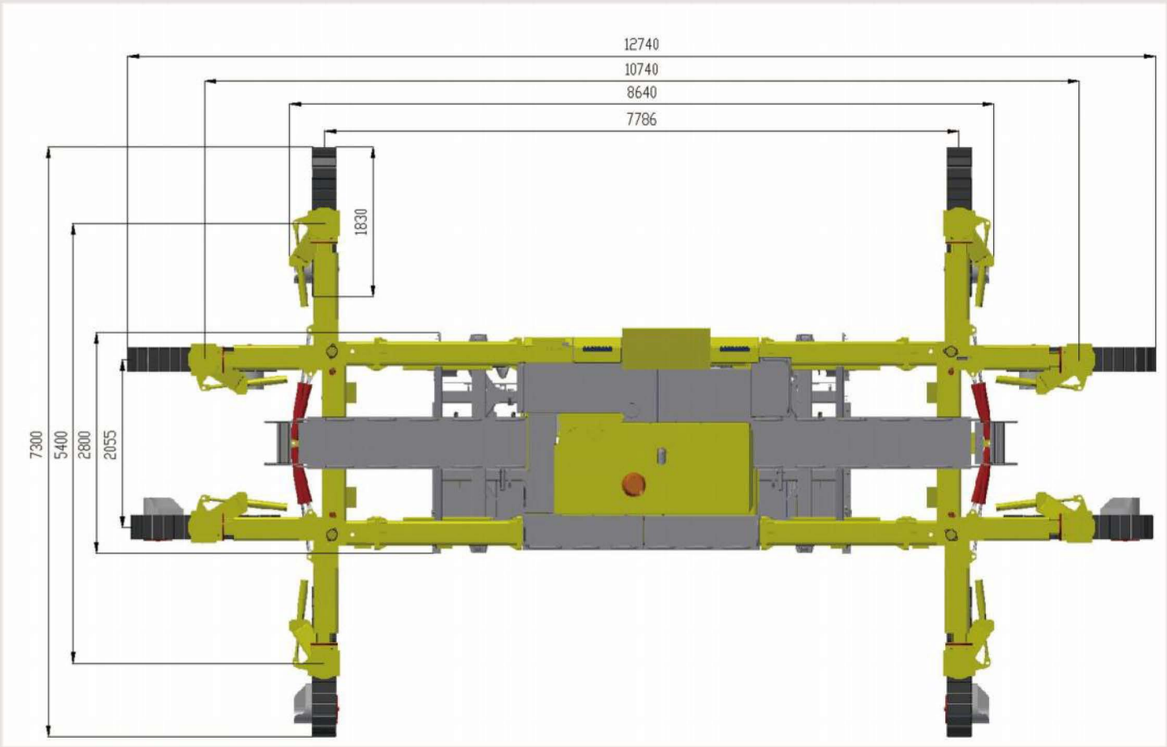
Item	Parameter
optional part	Parameter
DBI (5 meter)	
Size(L×W×H)	5850×2655×2900 mm
weight	8000 kg
DBI (6 meter)	
Size(L×W×H)	6850×2655×2900 mm
weight	9000 kg
DBI (8 meter)	
Size(L×W×H)	8850×2655×2900 mm
weight	11000 kg

Note: Please consult Siming Company for specific construction conditions

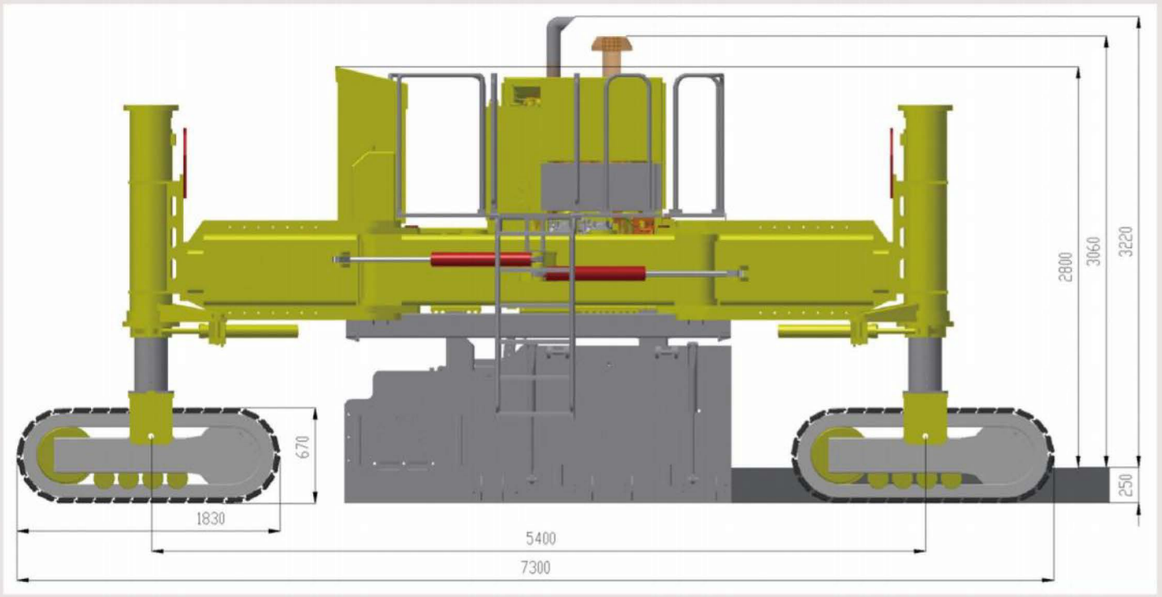
Machine Size (5-meter Mold)



Front view



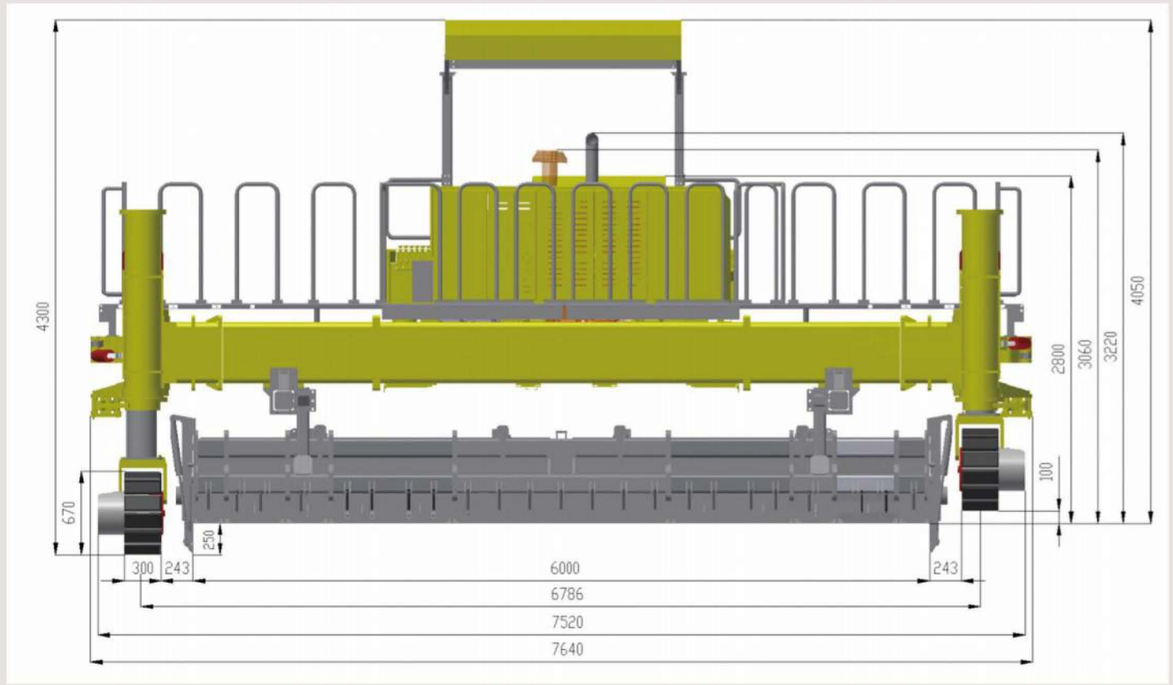
Vertical view



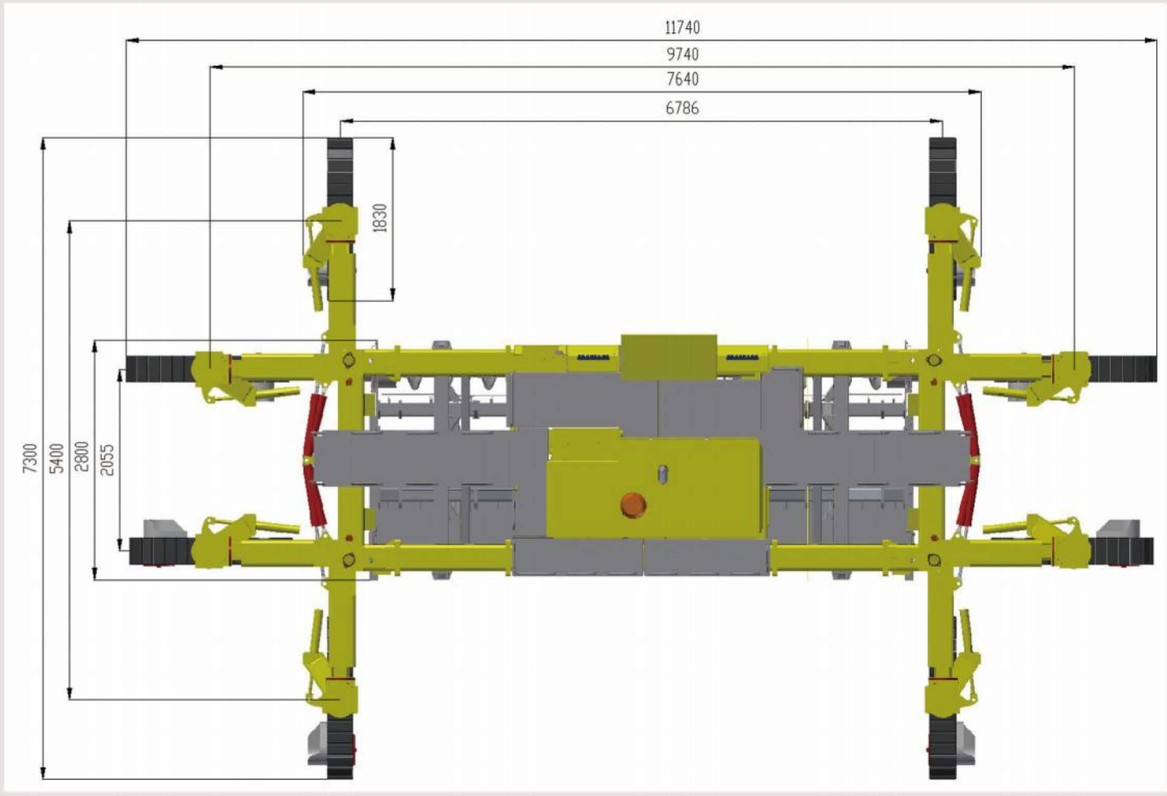
Side view

unit: mm

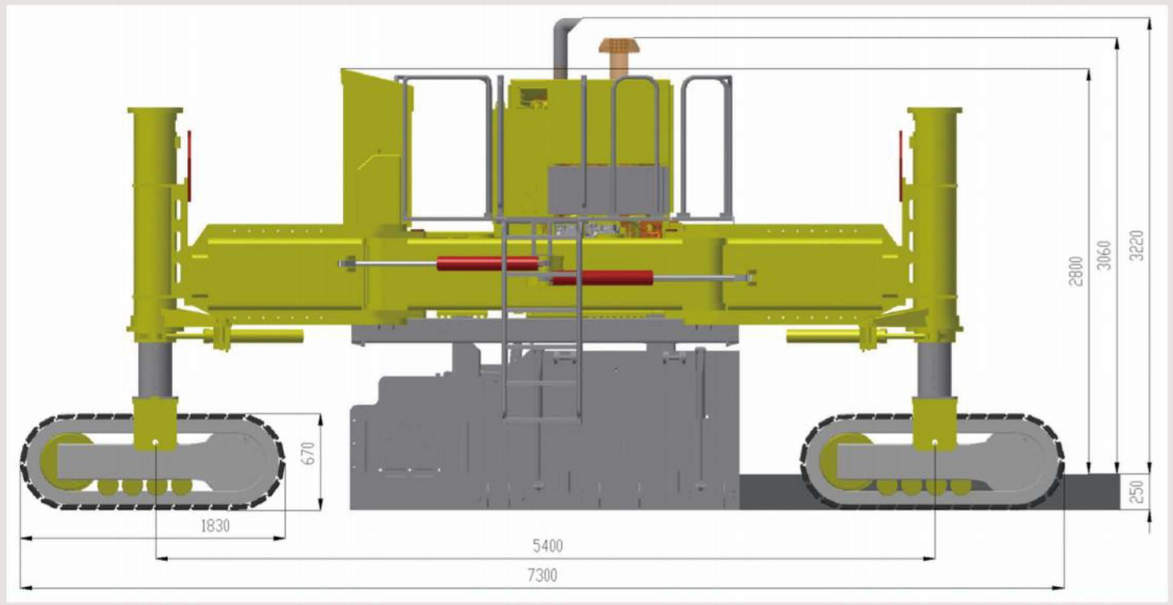
Machine Size (6-meter Mold)



Front view



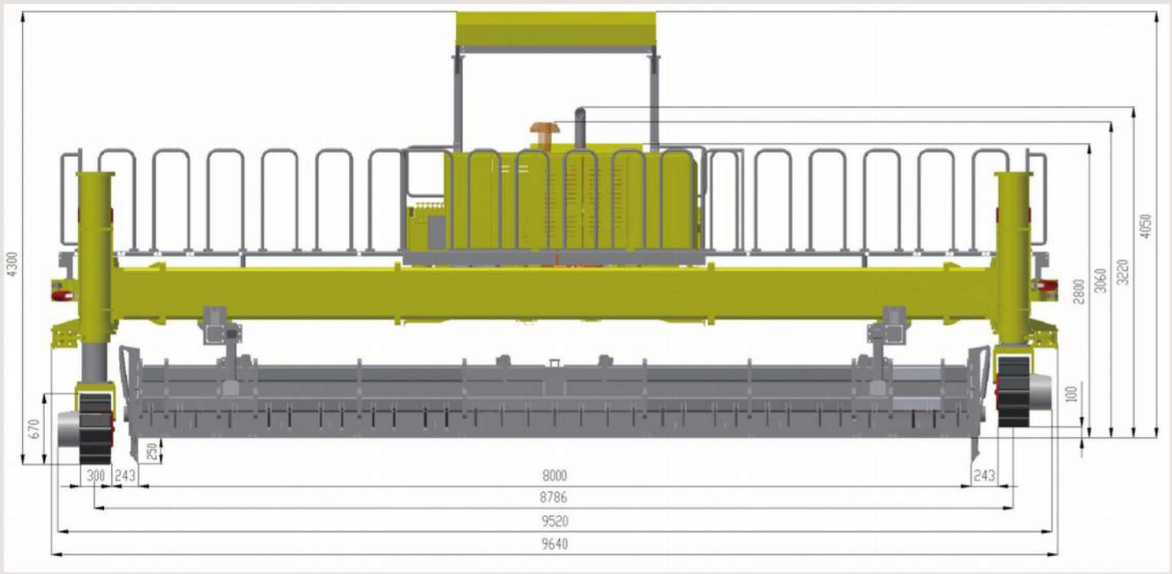
Vertical view



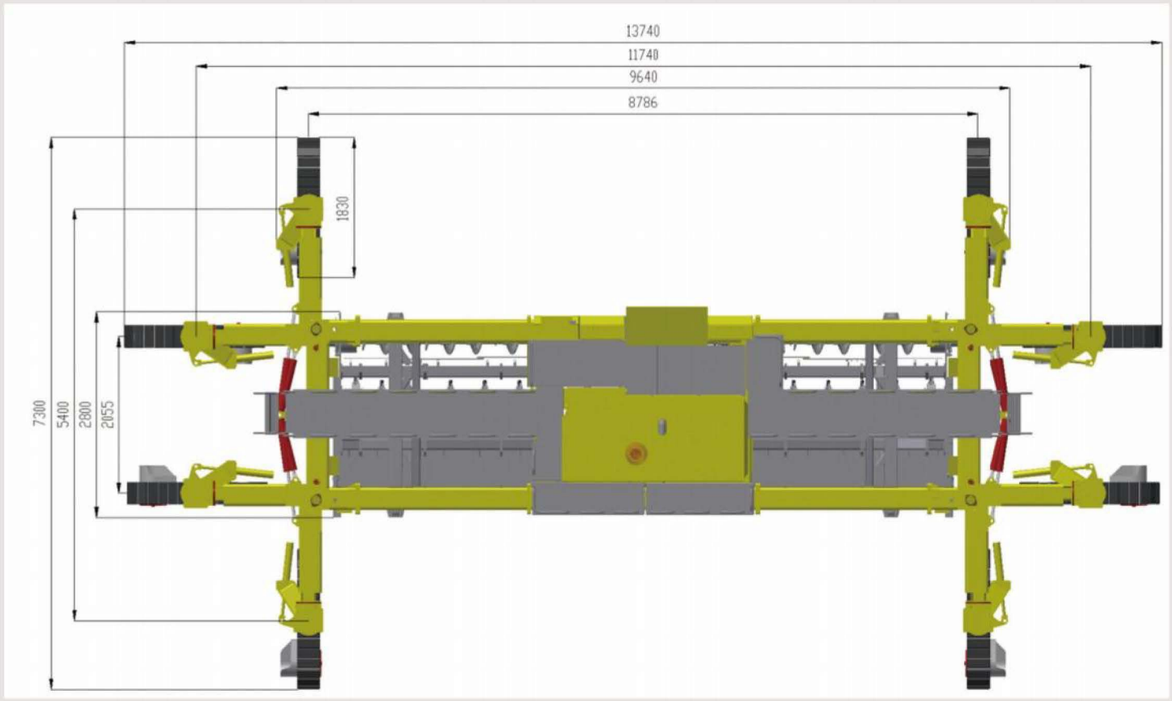
Side view

unit: mm

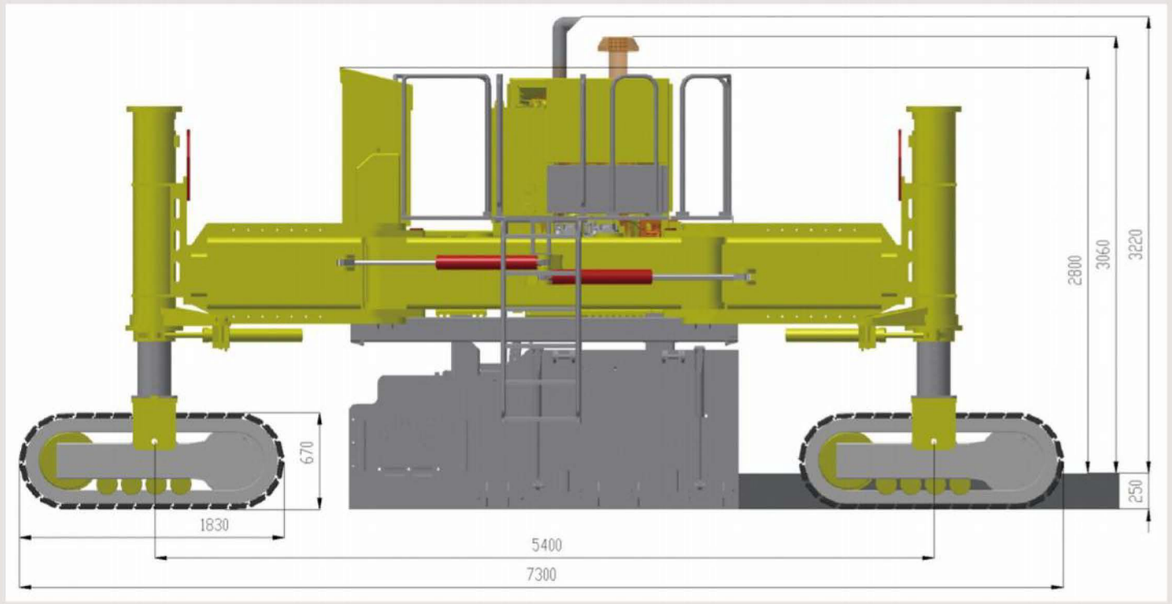
Machine Size (8-meter Mold)



Front view



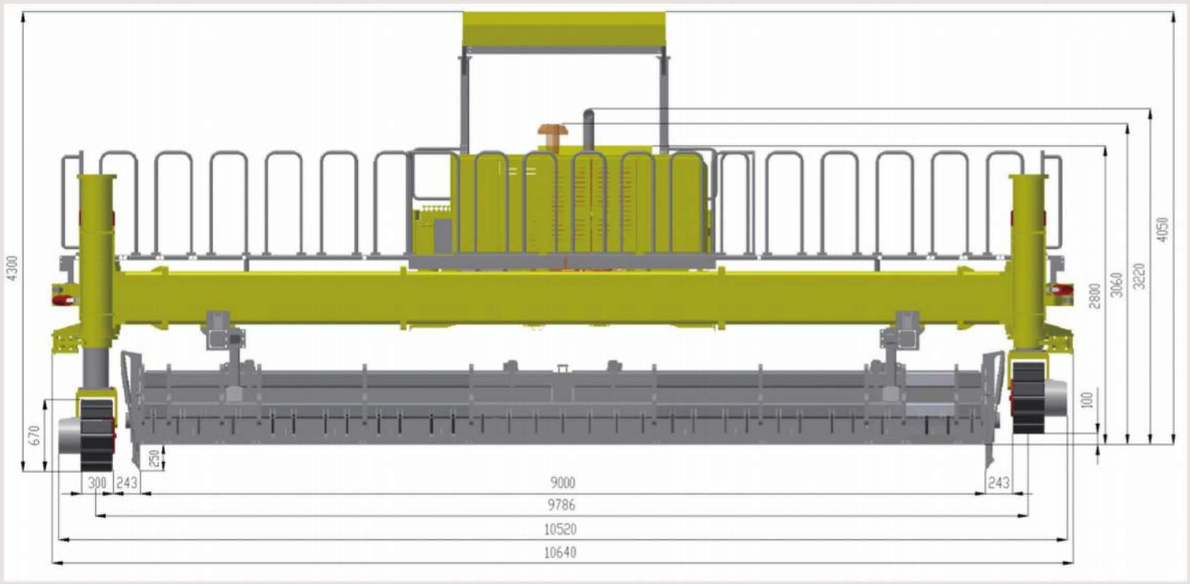
Vertical view



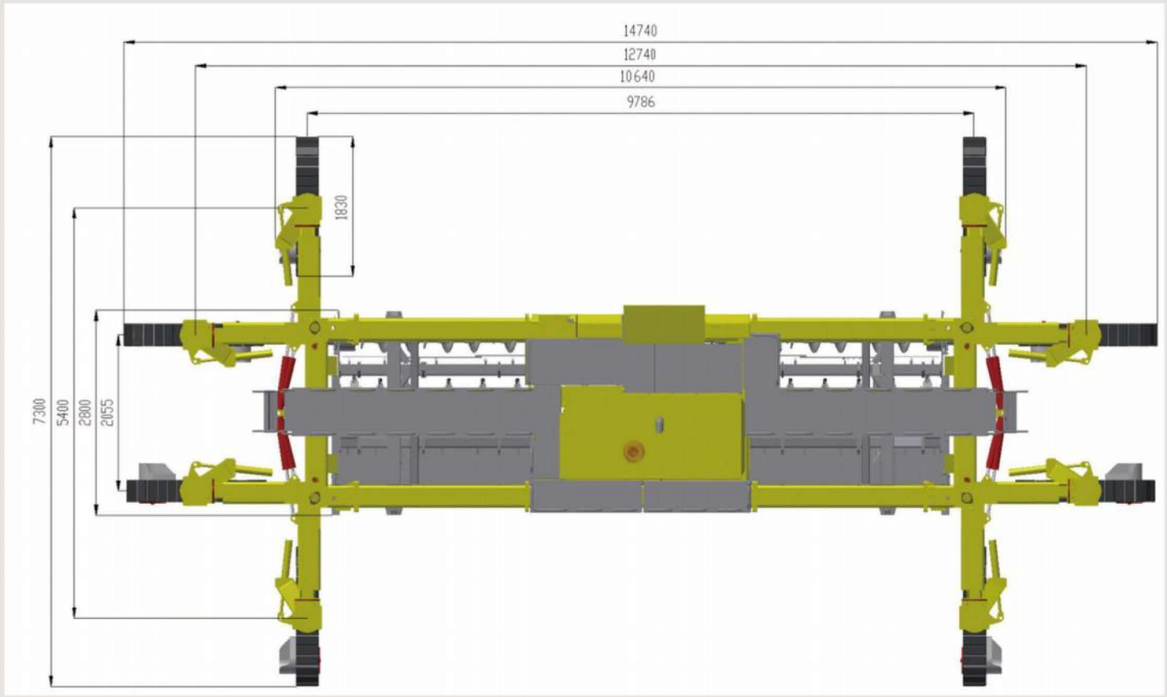
Side view

unit: mm

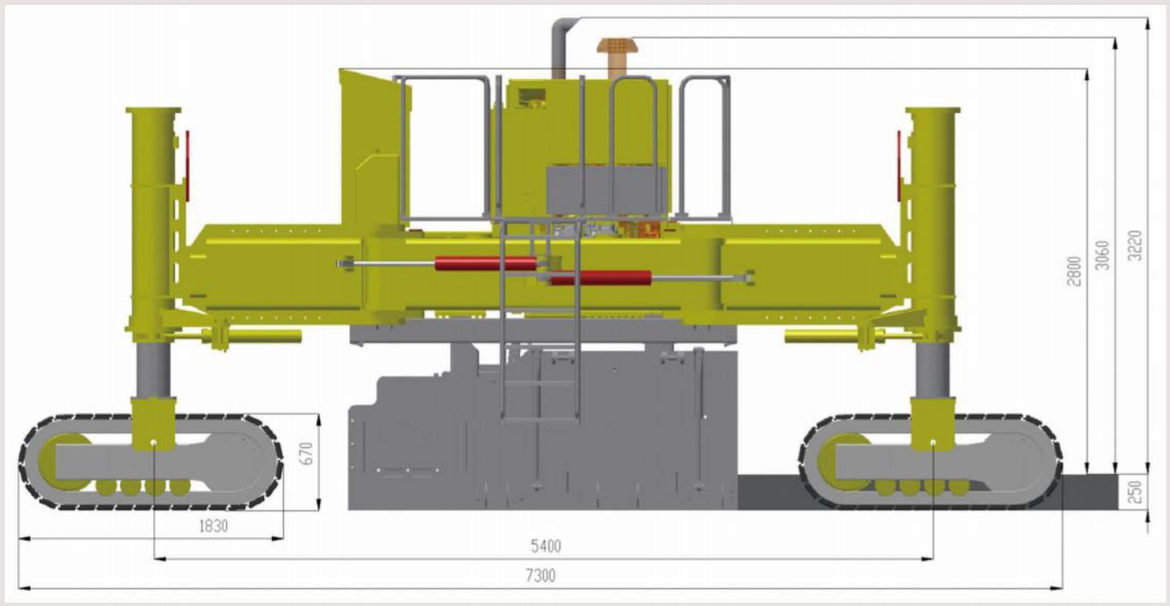
Machine Size (9-meter Mold)



Front view



Vertical view



Side view

unit: mm

CONFIGURATION TABLE

The Detailed for SMC-6800 Slipform Paver with 6m Wide Mold	Configuration
Equipment Standard Configuration	
177kW National IV engine,National III engine option. Other engine option.	●
Four crawler assembly	●
A spreading auger device	●
A strike off device	●
A vibrator bracket	●
A tamper bar device	●
A 6-meter wide mold	●
16-way hydraulic vibratior circuits	●
16 hydraulic vibrators	●
A leveling and steering control	●
A soft system	●
A canopy	●
A toolbox	●
Four guide columns with hydraulic swinging support legs	●
Narrow transportation width*	●
Equipment Optional Configuration	
A vibratior manifold with 6 hydraulic circuits	●
A vibratior manifold with 8 hydraulic circuits	●
A 2-meter wide mold	●
A 3-meter wide mold	●

	Configuration
A 6-meter oscillating beam	●
A 6-meter super smoother	●
A left side tie bar inserter	●
A right side tie bar inserter	●
A middle tie bar inserter	●
Twenty-two vibrator speed sensor and accessories	●
Two vibrator speed monitoring systems	●
A 1-meter wide main frame joint	●
A 2-meter wide main frame joint	●
four 130l additional water tanks	●
A post up-down servo valve*	●
A slew drives for crawler steering*	●
A low-speed anti-skid control system*	●
A hard canopy*	●
A customized toolbox	●
A main frame balancing system	●
A 3D stringless controls	●
500-meter stingline,40 poles, 2 winches	●
The wearing spare parts for one and two years	●
Service and training	●
Packing and shipping	●

Note : ● equipment Standard Configuration
● equipment Optional Configuration
●* can be customized or upgraded from stock for non-standard configurations