

SINCERE PERFECT EFFICIENT INNOVATE



BUSINESS DISTRIBUTION



CEMENT CONCRETE SLIPFORM PAVER SERIES EQUIPMENT



JIANGSU SIMING ENGINEERING MACHINERY CO.,LTD

TEL : 0514-88980000

400-828-3588

WEB: WWW.SIMINGGROUP.COM

ADD: No.218, Jinwan Road, Baoying Economic Development Zone,
Jiangsu Province, China

Samples are for reference only, products will be updated at any time, subject to the contract. No.202607



Learn more

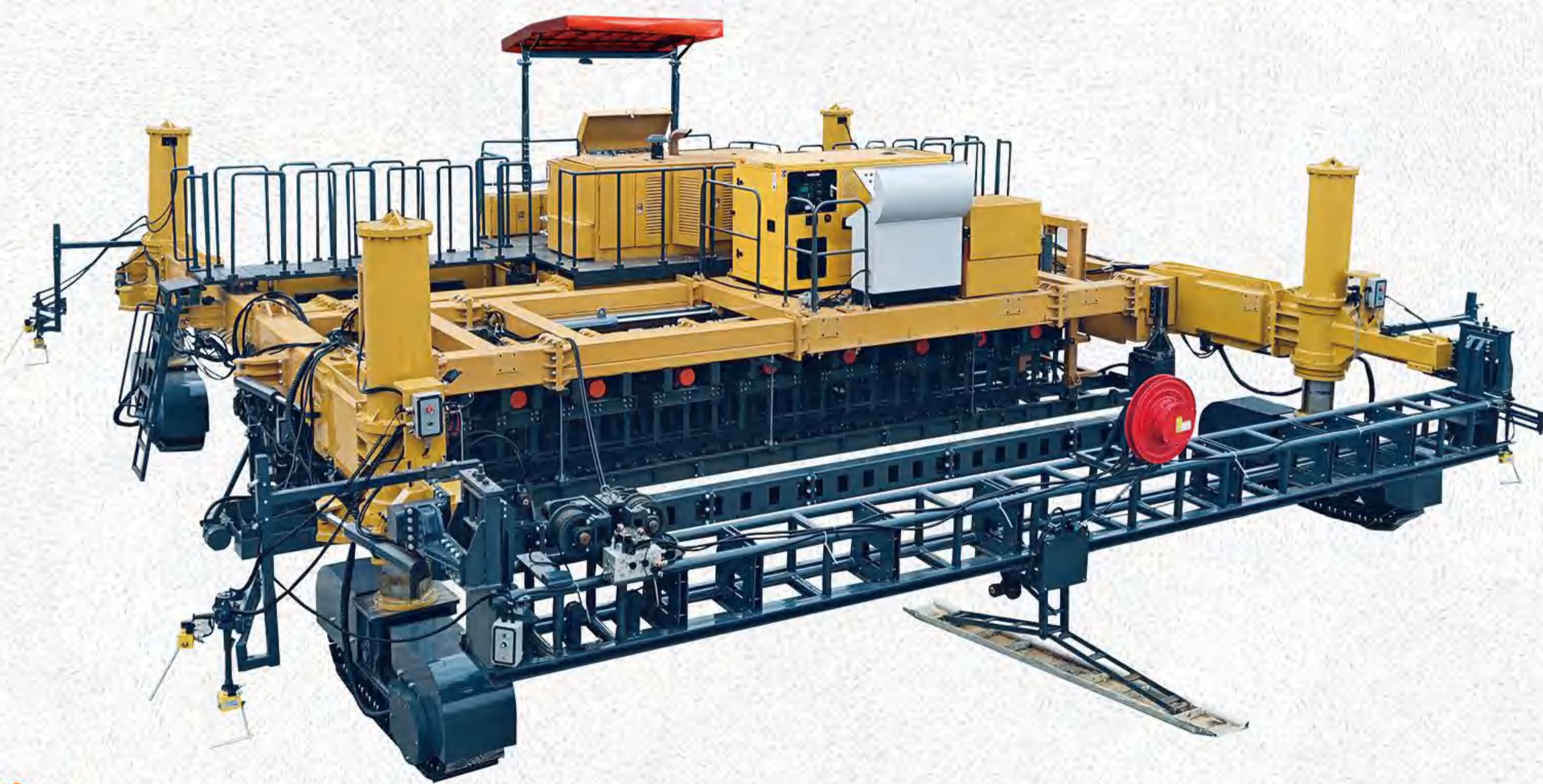


CONTENTS

Contents

SMC-6800 Four-Track Slipform Paver.....	03
SMC-6600 Four-Track Slipform Paver.....	05
SMC-6500 Zero Clearance Slipform Paver.....	07
SMC-5500 Three-Track Slipform Paver.....	09
SMC-5000 Three-Track Slipform Paver.....	11
SMC-4000 Three-Track Slipform Paver.....	13
SMC-523 Curb&Gutter Slipform Paver.....	15
SMC-521 Curb&Gutter Slipform Paver.....	17
SMC-450 Extrusion Slipform Paver.....	19
SMP-1200 Bridge Deck Finisher.....	21

SMC-6800 Four-Track Slipform Paver



Product Introduction

The SMC-6800 is a multipurpose cement concrete construction equipment independently developed by our company, widely used in various construction fields such as highways,high-speed railway subgrades, agricultural irrigation channels. It replaces traditional processes and greatly improves the construction quality and speed of the above-mentioned cement concrete structures.

This machine has a large power reserve, fully electronic control, fully hydraulic power drive, four track traveling, equipped with automatic steering and automatic leveling control system, and can complete the process of concrete material distributing, vibration, paving, forming, slurry extraction, and plastering of cement concrete structures in one go.

Functional Advantages

Vibration Compaction System

- ▶ Standard Equipped with 24 standard vibration circuits.
- ▶ International brand hydraulic vibrators, with a frequency range of 0-167Hz infinitely adjustable.

Electronic Control System

- ▶ Equipped with CAN bus, featuring a refined modular design, self-programmable multilingual software, ensuring stable and reliable system performance.
- ▶ Color graphic and text display on the main console with fault diagnosis, working status, and alarm.
- ▶ Configure four grade sensors and two steering sensors,Wireless 3D control system can be selected.

Power System

- ▶ Equipped with Shangchai 177 kW water-cooled engine, powerful and reliable in operation.The Cummins 194kW engine is optional.
- ▶ The engine meets environmental requirements and has an energy-saving mode.

Hydraulic System

- ▶ Six pump load sense hydraulic system from well-known international brands.
- ▶ The inlet and outlet ports of the pump are equipped with high quality filters.
- ▶ Equipped with a parallel three in one large-sized radiator, forced air cooling, and significant heat dissipation effect.

Feeding and Distributing Control System

- ▶ Two hydraulic driven spreading augers with independent control and infinitely adjustable revolution.Optional spreading plow device.
- ▶ Adopting adjustable strike-off and hydraulic height adjustment to control the amount of material entering the vibrating material bin.

Traveling Device

- ▶ Four-track hydraulic drive, high traction.
- ▶ Load sense hydraulic drive with low system heating.

Machine Body Structure

- ▶ Adopting a rigid frame with a large end face thickness, it is stable and does not deform. It can be spliced with multiple widths to adapt to different widths and working conditions.
- ▶ The swing arm of the post can be adjusted, and the basic configuration can adapt to the width requirements of the transport vehicle, making it convenient for transfer transportation.

Water System

- ▶ Type: High pressure washer with water gun,the flushing pressure can reach 7-9 MPa.The water system above 12MPa pressure can be selected.
- ▶ The water tank adopts a super large port diameter, large capacity and filtering device, making it easy to quickly add water. Four auxiliary water tanks can be selected.

Tie Bar Inserter(Optional)

- ▶ Equipped multiple tie bar inserter on both sides and in the middle.
- ▶ They can be operated automatically and manually.

Oscillating Beam(Optional)

- ▶ Hydraulic driven stepless frequency regulation and improves surface quality.
- ▶ The Dowel bar inserter(DBI) must be matched with a mechanism to compensate for the impact of steel reinforcement insertion on the road surface damage.

Super Smoother(Optional)

- ▶ Hydraulic driven stepless frequency regulation.
- ▶ Provide the superior final finish for road paving.

DBI Inserter(Optional)

- ▶ Capable of adapting to many specifications of dowel bars to meet various engineering needs.
- ▶ Equipped with automatic and manual control modes,and a synchronous inserting system.

Technical Specifications

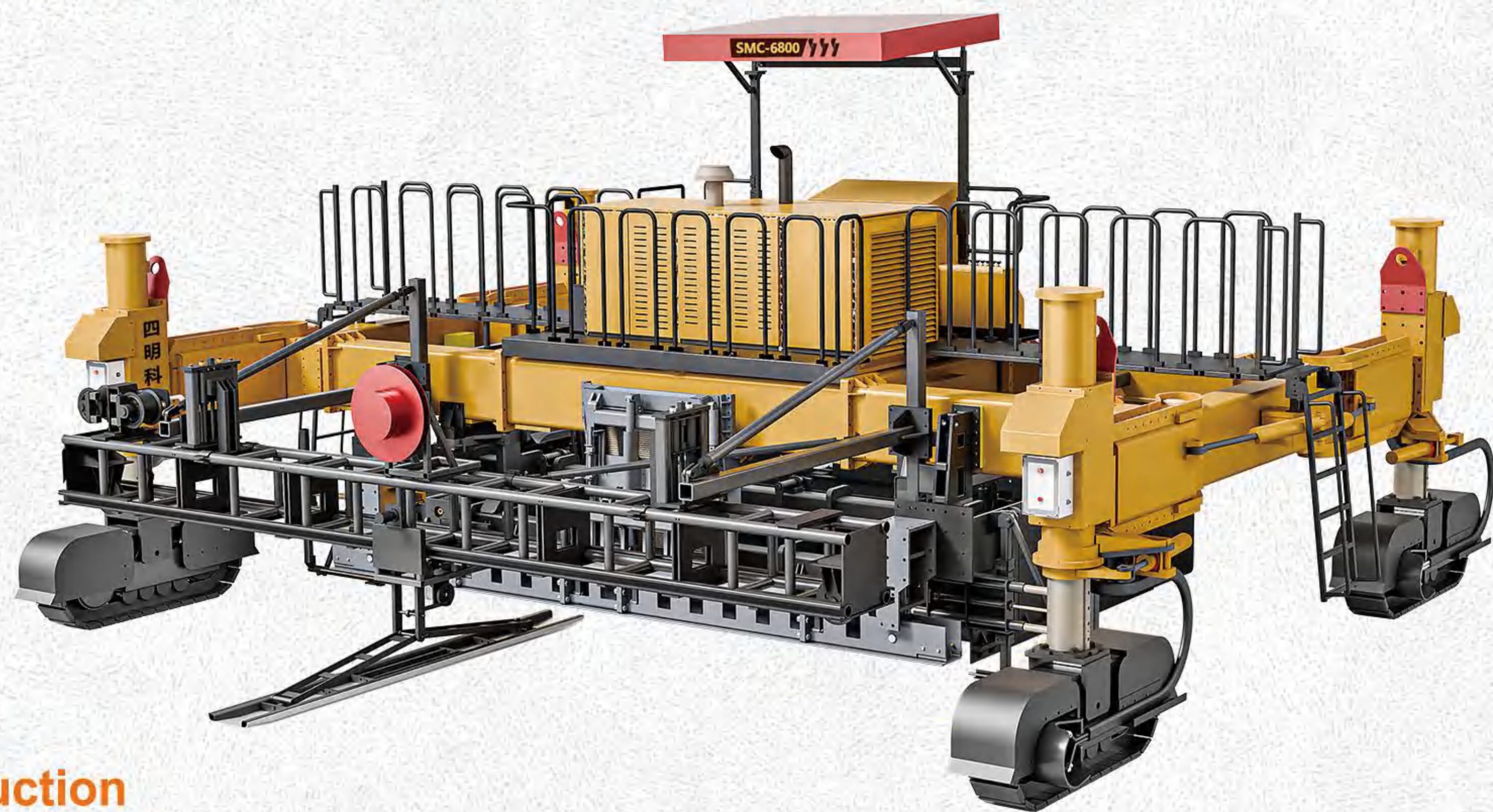
Item	Unit	Parameters	
Paving width	mm	3500~9500	
Paving thickness*	mm	100~480	
Paving speed	m/min	0~6	
Driving speed	km/h	0~1.1	
Vibrator interface	circuits	24	
Vibrator frequency	Hz	0~167	
Engine model	/	Shangchai SC7H240G4	Cummins QSB6.7-C260
Engine power	kW	177kW/2200rpm	194kW/2200rpm
Emission standard	/	Stage 4	Eur 3
Diesel tank	L	370	
Hydraulic oil tank	L	470	
Water tank	L	400 (standard) +140*4 (optional)	
Size (L×W×H)(8m)	mm	15550×2800×3280 (transportation size)	
	mm	8950×10150×4300 (work size)	
重量* Weight*	t	42 (without DBI)	

Note: 1.Engine brand and power option. The paving thickness is related to the paving width, and larger thicknesses and width need to be consulted with the manufacturer.
2.The actual weight of the machine depends on its configuration.

Construction Cases



SMC-6600 Four-track Slipform Paver



Product Introduction

The SMC-6800 is a multifunctional cement concrete construction equipment independently developed by our company, widely used in various construction fields such as highways,high-speed railway subgrades, agricultural irrigation channels. It replaces traditional processes and greatly improves the construction quality and speed of the above-mentioned cement concrete structures.

This machine has a large power reserve, fully electronic control, fully hydraulic power drive, four track traveling, equipped with automatic steering and automatic leveling control system, and can complete the process of material distributing, vibration, paving, forming, slurry extraction, and plastering of cement concrete structures in one go.

Functional Advantages

Vibration Compaction System

- ▶ High quality hydraulic vibrator with square head shell.
- ▶ Equipped with 16 standard vibration circuits(additional 6 circuits option), with stepless frequency adjustable from 0 to 167 Hz.

Concrete Feeding System

- ▶ Use a dump truck to directly unload the concrete in front of the paver, and spread the irregular concrete pile with an excavator.
- ▶ Two hydraulic driven spreading augers with independent control and infinitely adjustable revolution.

Water System

- ▶ Type: High pressure washer with water gun,the flushing pressure can reach 7-9 MPa.
- ▶ One Standard water tank capacity is 400L,four 130L tanks option.

Tamper Bar Device

- ▶ Hydraulic driven stepless frequency regulation.
- ▶ Push down the surface coarse aggregate to create a surface slurry layer.

Power System

- ▶ Equipped with a water-cooled engine, powerful and reliable in operation.
- ▶ Equipped with a parallel three in one large-sized radiator, forced air cooling, and significant heat dissipation effect.

Electronic Control System

- ▶ Color graphic and text display on the main console with fault diagnosis, working status, and alarm.
- ▶ The steering, grade, and slope of slipform paver are electronic automatic control, and the sensors and controllers communicate by CAN-bus.
- ▶ Configure four grade sensors and two steering sensors.

Hydraulic System

- ▶ Four pump load sense hydraulic system from well-known international brands.
- ▶ The inlet and outlet ports of the pump are equipped with high quality filters.

Traveling Device

- ▶ Four-track hydraulic drive, high traction.
- ▶ Load sense hydraulic drive with low system heating.

Tie Bar Inserter(Optional)

- ▶ Equipped multiple tie bar inserters on both sides and in the middle.
- ▶ They can be operated automatically and manually.

Oscillating Beam(Optional)

- ▶ Hydraulic driven stepless frequency regulation.
- ▶ Automatically improve the concrete surface In case of paver stopping.

Super Smoother(Optional)

- ▶ Hydraulic driven stepless frequency regulation.
- ▶ Provide the superior final finish for road paving.

Technical Specifications

Item	Unit	Parameters	
Paving width	mm	3500~7500	
Paving thickness*	mm	100~480	
Paving speed	m/min	0~7.5	
Driving speed	km/h	0~1.5	
Vibrator interface	circuits	22	
Vibrator frequency	Hz	0~167	
Engine model	/	Shangchai SC7H240G4	Shangchai SC7H240G3
Engine power	kW	177kW/2200rpm	177kW/2200rpm
Emission standard	/	Stage 4	Stage 3
Diesel tank	L	370	
Hydraulic oil tank	L	470	
Water tank	L	400 (standard) +130*4 (optional)	
Size (L×W×H)(6m)	mm	11740×2800×2800 (transportation size)	
	mm	7640×7300×4050 (work size)	
Weight*	t	30	

Note: 1.Engine brand and power option. The paving thickness is related to the paving width, and larger thicknesses and width need to be consulted with the manufacturer.
2.The actual weight of the machine depends on its configuration.

Construction Cases



SMC-6500 Zero Clearance Slipform Paver



Product Introduction

SMC-6500 is a concrete construction equipment independently developed by our company, which is mainly used to paver rural road, high standard farmland and so on. With large power reserve, full electronic control, full hydraulic drive, four-traveling walking, equipped with automatic steering and automatic leveling system, the machine can complete the process of cement concrete feeding and distributing, vibrating and compacting, paving and smoothing at one time, which greatly improves the construction quality and speed instead of the traditional process. The rear-mounted mold design can well solve the problem of insufficient width of the road base and realize negative clearance construction, which is mostly used for paving country roads and roads without shoulders.

Functional Advantages

Power System

- ▶ Standardly equipped with Shanghai electronically controlled high-pressure common rail engine, which meets the National IV emission standard.
- ▶ The engine has high power and low fuel consumption, strong power and good fuel economy.

Feeding System

- ▶ The belt feeding device and the auger distributing device are both driven by full hydraulic system, with infinitely adjustable speed, small system impact and smoother operation.
- ▶ Two hydraulic driven spreading augers with independent control and infinitely adjustable revolution.

Vibration System

- ▶ The vibration system adopts imported brand, fully hydraulic drive, and compact vibration valve manifold, easy to install.
- ▶ Equipped with 12 vibration circuits as standard, the vibration frequency is independently and infinitely adjustable, with a maximum frequency of 167Hz.

Electronic Control System

- ▶ The machine adopts CAN-bus transmission technology, which is convenient for daily operation and maintenance, and has automatic circuit system fault diagnosis function.
- ▶ The operation console adopts a portable structure, which can be placed in the best visible position during construction. The display screen of the operation console displays color graphics and text, and integrates many functions such as fault diagnosis, status display, alarm prompt, etc.
- ▶ The steering and leveling system adopts electronic automatic control, with sensors and controllers communicating via CAN-bus and matched with the hydraulic cylinder, which can accurately control the paving direction and smoothness.

Hydraulic System

- ▶ The four pump load sense hydraulic system adopts international famous brands.
- ▶ The inlet and outlet of the pump are equipped with high-quality filters.
- ▶ Configure large-sized hydraulic oil cooling radiator with forced air cooling.

Water System

- ▶ Equipped with a high-pressure water system, the flushing pressure can reach 7-9 MPa.
- ▶ Equipped with a 550L water tank.

Walking System

- ▶ Four track hydraulic drive, with infinitely adjustable paving speed and superior low-speed stability.
- ▶ The walking drive adopts a three-in-one integrated structure with high driving torque, ensuring the safety and reliability of the system. A sturdy track system with sufficient traction.

Optional Configuration

- ▶ The height of the oscillating beam can be adjusted up and down, and it can move back and forth laterally on the concrete surface to remove any irregularities on it.
- ▶ The supper smoother can be adjusted in height, and it moves back and forth horizontally on the concrete surface to make it flatter, effectively eliminating defects on the newly concrete surface.

Technical Specifications

Item	Unit	Parameters	
Paving width	mm	2500~4500	
Paving thickness	mm	0~300	
Paving speed	m/min	0~7.5	
Driving speed	km/h	0~1.8	
Vibrator interface	circuits	12	
Vibrator frequency	Hz	0~167	
Engine model	/	Shanghai SC4H160.5G4	Shanghai SC4H180G3
Engine power	kW	118kW/2200rpm	132kW/2200rpm
Emission standard	/	Stage 4	Stage 3
Diesel tank capacity	L	320	
Water tank capacity	L	550	
Size (L×W×H)	mm	7500×3000×2800 (transportation size)	
		12000×4850×3600 (work size)	
Weight*	t	19.5	

Note: The actual weight of the machine depends on its configuration.

Construction Cases



SMC-5500 Three-Track Slipform Paver



Product Introduction

The SMC-5500 is a kind of multi-purpose cement concrete construction equipment independently researched and developed by our company. It is widely used in the construction fields of curb&gutter, barrier, cable trough, agricultural irrigation canal and so on. It will replace the traditional technology and greatly improve the construction quality and speed of the above cement concrete structures.

The machine is a full hydraulic drive slipform paver with three crawler traveling device. It has large power reserve and can be used to pave large scale structures. It is equipped with automatic steering and automatic leveling control systems. So it can finish excellent paving to your satisfaction.

Functional Advantages

► **Wide operating vision, good operating experience**

The components on the operating platform are integrated into the humanized design concept, the layout logic is clear, the operator only needs a glance to determine the position of the functional devices, and the control response is rapid.

► **Efficient engine energy saving system**

ECO energy saving mode automatically matches the optimal working state according to the working condition of the machine, saving energy and reducing exhaust emissions.

► **High efficiency vibration compaction system**

Using WYCO brand of square shell vibrator with high compacting efficiency, stable and reliable performance. Use HYDRAFORCE brand of compensation type manual speed regulating valve, and the frequency regulation of vibrator is smooth, stable and reliable. Standard equipped with 8 circuits vibration, according to the need to expand 2 circuits vibration, to meet the requirements of paving larger section of concrete structures.

► **High quality servo valve control column lifting**

Choose international brand servo valve to drive the post up&down ,up&down cylinder quick response, smooth action, excellent smoothness control.

► **Flexible crawler post position**

The crawler post is arranged in the front two and the rear one. The two front crawler posts can be rotated with swing arms, or can be mechanically widened to achieve offset, and the rear crawler post can be freely finish offset action, improving the flexibility of the mold position.

► **Excellent performance steering modes**

It has a variety of steering modes, such as front-only/ rear-only steering, crab steering, coordinated steering and rotate steering, which improves the maneuverability of the machine on the jobsite.

► **Track slewing device with large Angle**

The track steering is driven by the large-angle slewing device, and the steering angle is up to ±130°. The machine positioning before construction is more efficient and the transition is more agile.

► **Convenient transportation concept**

The unit is compact and the canopy can be electrically folded for more economical truck transport.

► **Low speed and smooth walking system**

Adopt high speed ratio reducer and high quality international brand hydraulic motor, driving force is strong, low speed paving walking smoothly, to meet the requirements of large section structure low speed paving.

Technical Specifications

Item	Unit	Parameters	
Paving width	mm	0~2500 (side) /0~3000 (middle)	
Paving height	mm	0~1800	
Paving speed	m/min	0~10	
Driving speed	m/min	0~33	
Vibrator interface	circuits	8 (standard)	
Vibrator frequency	Hz	0~167	
Engine model	/	Shangchai SC4H160.5G4	Shangchai SC4H125G3
Engine power	kW	118kW/2200rpm	92kW/2200rpm
Emission standard	/	Stage 4	Stage 3
Diesel tank capacity	L	230 (standard) +120 (optional)	
Water tank capacity	L	500	
Size(L×W×H)	mm	7000×2250×2860 (transportation size)	
Weight*	t	15	

Note: The actual weight of the machine depends on its configuration.

Construction Cases



SMC-5000 Three-Track Slipform Paver



Product Introduction

SMC-5000 is a medium-sized machine developed according to the market demand and the current situation of our company's slipform paver series. During construction, it mainly uses side mold mode and has the function of center mold mode. It is widely used in curb, small ditch, sidewalk and rural grade concrete pavement. Compared with traditional precast process and fixed mold cast-in-place process, the machine has the advantages of fast construction speed, high efficiency and good quality.

This machine was developed by absorbing mature technologies from well-known foreign brands' similar products. Through technological innovation and humanized design, it optimizes the overall appearance structure, saves energy and reduces noise, improves construction efficiency, comfort, economy and safety. With advanced technical performance, stable reliability, good economy and adaptability, novel and beautiful appearance, and friendly human-computer interface, it can enhance product competitiveness, better meet the market demand for new slipform paving technology for concrete structures, replace imports, and expand exports.

Functional Advantages

► Mold Positioning Quickly

The positioning of the mold can be adjusted by the hydraulic cylinder, greatly shortening the positioning time before construction. It is suitable for spreading under various working conditions.

► The Feeding Position is Adjustable

The auger feeding device adjusts the tilt angle and front and rear position through the hydraulic cylinder to meet a variety of feeding conditions. The rotating angle can be adjusted manually to narrow the machine during the transition and transportation of the machine. The feeding belt is optional.

► Track Offset Function

The right rear track has a hydraulic offset function, which can adjust track spacing, facilitate transportation and increase the paving width of the center mold mode.

► Multiple Use of One Machine

Mold offset: Used for curb, ditch, barrier, etc.

Center mold (optional) : Used for concrete structure of low grade rural roads, squares, sidewalks and agricultural irrigation canals.

► One Machine and Multiple Modes

According to different construction requirements, a variety of molds can be selected for users under reasonable design parameters to improve the utilization rate of pavers.

► Full hydraulic drive

Imported brand load sense variable pump, energy saving, reduce the temperature rise of the hydraulic system. Hydraulic valves and other imported brands, superior and reliable performance. Vibrator adopts imported brand, excellent performance.

Technical Specifications

Item	Unit	Parameters	
Paving width	mm	0~2500 (side) /0~3000 (middle)	
Paving height	mm	0~1100	
Paving speed	m/min	0~10.5	
Driving speed	m/min	0~35	
Vibrator interface	circuits	5 (standard) / 6 / 8	
Vibrator frequency	Hz	0~167	
Engine model	/	Shangchai SC4H140G4	Weichai WP4.1G
Engine power	kW	103kW/2200rpm	73.5kW/2300rpm
Emission standard	/	Stage 4	Stage 3
Diesel tank capacity	L	115	
Water tank capacity	L	284/420 (optional)	
Size (L×W×H)	mm	5400×2150×2700 (transportation size)	
Weight*	t	9	

Note: The actual weight of the machine depends on its configuration.

Construction Cases



SMC-4000 Three-Track Slipform Paver



Product Introduction

The SMC-4000 can be used for paving curbs, road shoulders, and is a new type of electronically controlled fully hydraulic slipform paver. Adopt three track traveling and three track steering, with stronger driving force, faster steering, and higher construction efficiency.

Functional Advantages

- ▶ The advanced industrial CAN bus communication system is used between the control console and the main controller, which simplifies and ensures reliability of the system.
- ▶ Adopt a user-friendly widescreen LCD display to show the working status of the whole machine, the fault indication is intuitive and clear at a glance.
- ▶ Hydraulic full track drive and hydraulic offset mold can greatly shorten the positioning time before pouring, and make the machine suitable for paving under any working conditions.
- ▶ The feeding auger or belt rotates, tilts, and shifts to improve work efficiency.
- ▶ Fully hydraulic drive: Imported brand load sense variable displacement pump, energy-saving and reducing hydraulic system temperature rise. Imported brands are selected for hydraulic valves, which have superior and reliable performance. The vibrator adopts imported brands with excellent performance.
- ▶ Equipped with an automatic leveling system to ensure the good smoothness.
- ▶ Equipped with automatic steering function, it creates perfect linearity during the paving process.
- ▶ The high-pressure water pump flushing system can complete the cleaning work of the machine within a few minutes after the construction.

Technical Parameters

Item	Unit	Parameters
Paving width	mm	0~2000
Paving height	mm	0~800
Thickness	mm/3m	±3
Paving speed	m/min	0~12
Driving speed	m/min	0~45
Vibrator interface	circuits	4 (standard)
Vibrator frequency	Hz	0~167
Engine model	/	Cummins QSF2.8
Size (L×W×H)	mm	5000×2160×2550 (transportation size)
Weight*	t	5.5

Note: The actual weight of the machine depends on its configuration.

Construction Cases



SMC-523 Curb&Gutter Slipform Paver



Product Introduction

The SMC-523 can not only pave low slump concrete, but also concrete with a certain slump, making it a machine with a wider range of construction applicability. The machine adopts full hydraulic drive and track drive for traveling, which has stronger driving force and is suitable for use in situations where the roadbase is unstable. Compared to the SMC-521A, this machine has added a auger feeding device, which not only increases the feeding speed but also improves the workability of concrete.

Functional Advantages

- ▶ The advanced industrial CAN bus communication system is used between the control panel and the main controller, which simplifies and ensures reliability of the system.
- ▶ Adopting a user-friendly widescreen LCD display to show the working status of the whole machine, the fault indication is intuitive and clear at a glance.
- ▶ Adopt full hydraulic drive, track walking, and large grounding area, it solves the problem of slipping in harsh working conditions.
- ▶ Fully hydraulic drive: Imported brand load sense variable displacement pump, energy-saving and reducing hydraulic system temperature rise. Imported brands are selected for hydraulic valves, which have superior and reliable performance. The vibrator adopts imported brands with excellent performance.
- ▶ The steering, grade and slope are automatically controlled by high-performance sensors, resulting in smoother curb lines and smoother surfaces.
- ▶ The high-pressure water pump flushing system can complete the cleaning work of the machine within a few minutes after the construction.

Technical Parameters

Item	Unit	Parameters	
Paving width	mm	0~1250	
Paving height	mm	0~500	
Thickness	mm/3m	±3	
Paving speed	m/min	0~12	
Driving speed	m/min	0~30	
Vibrator interface	circuits	2 (standard)	
Vibrator frequency	Hz	0~167	
Engine model	/	Quanjiao QC490G	Yanmar 4TNV88
Engine power	kW	35kW/2600rpm	30.6kW/2600rpm
Emission standard	/	Stage 3	Stage 3
Diesel tank	L	75	
Hydraulic oil tank	L	95	
Size (L×W×H)	mm	3250×1500×1450 (transportation size)	
Weight*	t	2.4	

Note: The actual weight of the machine depends on its configuration.

Construction Cases



SMC-521 Curb&Gutter Slipform Paver



Product Introduction

The SMC-521 is a self-propelled machine, which is divided into two types: SMC-521A track driven traveling and SMC-521B wheel driven traveling, using hydraulic vibrator for concrete consolidation. Compared with the SMC-523, this machine has a compact structure and is more efficient in paving small size curbs.

Functional Advantages

- ▶ The advanced industrial CAN bus communication system is used between the control console and the main controller, which simplifies and ensures reliability of the system.
- ▶ Adopt a user-friendly widescreen LCD display to show the working status of the whole machine, the fault indication is intuitive and clear at a glance.
- ▶ Adopt full hydraulic drive, track traveling, and large grounding area, it solves the problem of slipping in harsh working conditions.
- ▶ Fully hydraulic drive: Imported brand load sense variable displacement pump, energy-saving and reducing hydraulic system temperature rise. Imported brands are selected for hydraulic valves, which have superior and reliable performance. The vibrator adopts imported brands with excellent performance.
- ▶ The steering, grade and slope are automatically controlled by high-performance sensors, resulting in smoother curb lines and smoother surfaces.
- ▶ The high-pressure water pump flushing system can complete the cleaning work of the machine within a few minutes after the construction .

Technical Parameters

Item	Unit	Parameters	
Paving width	mm	0~1250	
Paving height	mm	0~400	
Thickness	mm/3m	±3	
Paving speed	m/min	0~12	
Driving speed	m/min	0~33	
Vibrator interface	circuits	2	
Vibrator frequency	Hz	0~167	
Engine model	/	Yanmar 3TNV88	Quanjiao QC485G
Size (L×W×H)	mm	3200×1500×1300	
Weight*	t	2.1	

Note: The actual weight of the machine depends on its configuration.

Construction Cases



SMC-450 Extrusion Slipform Paver



Product Introduction

The SMC-450 is an extrusion machine that uses a high-strength push hammer to extrude the mixture at the mold inlet during the construction. It has the advantages of high automation and good construction quality. By changing the mold behind the main machine, various shapes of curbs and gutters can be poured, which are widely used in the field of slipform construction for concrete structures such as highways, water channels and river dams.

Functional Advantages

- ▶ The advanced industrial CAN bus communication system is used between the control console and the main controller, which simplifies and ensures reliability of the system.
- ▶ Adopt a user-friendly wide screen LCD display to show the working status of the whole machine, the fault indication is intuitive and clear at a glance.
- ▶ Adopt full hydraulic drive, the structure is compact and easy to maintain.
- ▶ The control console can be rotated and disassembled, making it easy to operate during construction.
- ▶ The use of a reciprocating hammer to squeeze the mixture enhances the applicability of the machine to different sizes of curbs.
- ▶ The steering, grade and slope are automatically controlled by high-performance sensors, resulting in smoother curb.
- ▶ The high-pressure water pump flushing system can complete the cleaning work of the machine within a few minutes after the construction.
- ▶ Only 7 to 8 people are needed on site to complete the paving work (1 person driving, 1 person controlling the concrete feeding, 1 to 2 persons scraping the surface, 2 persons curing, 2 persons arranging the string line).

Technical Parameters

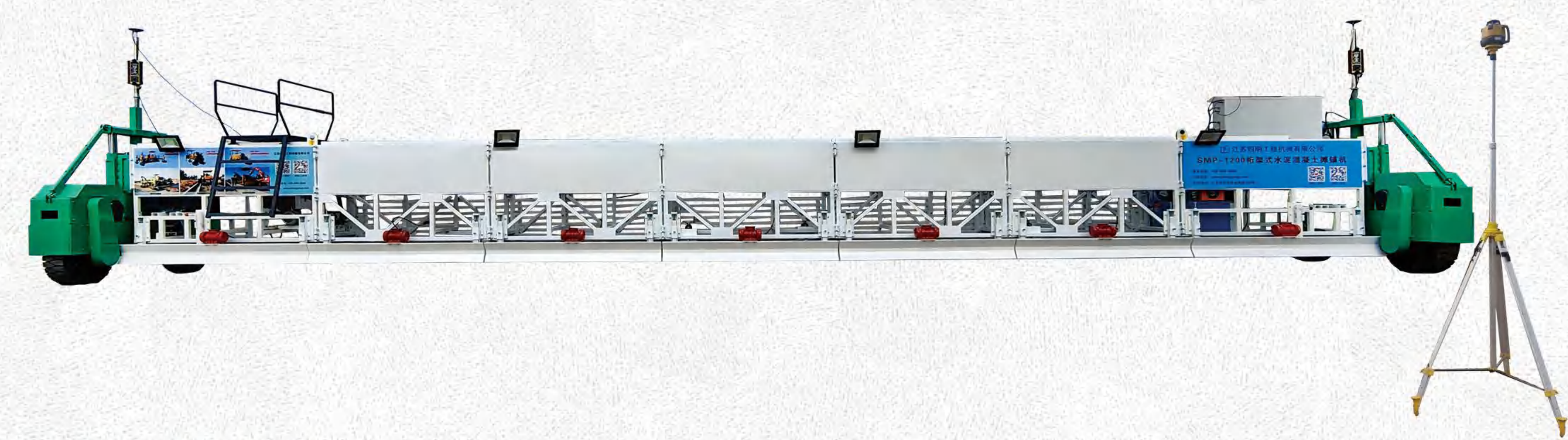
Item	Unit	Parameters
Paving width	mm	0~1200
Paving height	mm	0~450
Thickness	mm/3m	±3
Paving speed	m/min	0~3
Hydraulic pump	/	G5-5 gear pump
Vibrator frequency	Hz	0~167
Engine model	/	B&S 3054-16
Size (L×W×H)	mm	2400×920×880
Weight*	kg	960

Note: The actual weight of the machine depends on its configuration.

Construction Cases



SMP-1200 Bridge Deck Finisher



Product Introduction

The SMP-1200 is used for cement concrete roadway construction with small and medium thickness and general strength requirement, and also can be used for surface trimming and ultra-high performance concrete trimming construction with large area and large width. It is mostly used for cement concrete construction of large width bridge deck.

On the basis of inheriting the traditional advantages of roller type finisher, combining with the market and customer needs, it develops more functions and applications, especially automatic control. The product can have many functions such as vibration, slurry lifting, leveling and self-propelled walking, and meet the requirements of special customization according to the site conditions.

Functional Advantages

- ▶ Easy to operate, can effectively save labor, reduce construction costs, and improve work efficiency.
- ▶ Adopting a truss structure and welding high-quality thickened square tubes, the equipment is robust and does not deform, improving the paving effect.
- ▶ By using high-frequency vibration to push the material or auger spreading, the manual labor of the spreading is saved, resulting in uniform vibration and good slurry lifting effect.
- ▶ The whole machine truss module is quickly assembled, and the rod shaft adopts a six axis split composite connection, which can be applied to larger width paving. Different widths can be combined to avoid repeated equipment investment.
- ▶ The traveling device adopts rubber wheels or steel wheels, which can directly walk on steel mesh or bridge guardrails, saving material and labor costs for installing tracks and effectively improving work efficiency.
- ▶ The overall appearance design of the machine is beautiful, with a wrapped design on both sides of the equipment and a walking up and down wrapped design, which can ensure the safety of construction personnel at the edges of both sides.
- ▶ Using digital sensors (optional contact or non-contact type) and LCD display control devices, the stringline is sensed to control the elevation, achieving automatic and precise elevation control. The optional wireless wire 2D laser leveling or 3D laser control system can be used.
- ▶ Optional eccentric vibration smoothing plate, with uniform vibration and high frequency. The specially designed patented vibrator ensures better slurry lifting effect on the surface, excellent leveling and smoothness, and high qualification rate.
- ▶ An automatic water spray atomization device can be optionally installed, which can spray water in a timely manner when the local concrete slump is too low, and also play a role in cleaning the concrete on the roller shaft in a timely manner, improve the surface effect.

Technical Parameters

SMP-1200	Parameter	3D RTK	Parameters	
Paving width*	12~16 m	Model	SMC-8700	
Paving speed	0~5 m/min	Scope of application	Slipform paver 3D paving	
Driving speed	0~6 m/min	Elevation accuracy	±3 mm(laser reception distance≤60m)	
Total weight	7 t (15m wide)	RTK mode	Station mode	CORS mode
Total power	20~29 kW	RTK horizontal accuracy	±1 cm	±2 cm
Roller diameter	219 mm	GNSS signal	BDS,GPS,GLONASS	
Roller speed	240 rpm	Horizontal protection of laser emitter	±10"	
Water tank	300 L	Protection level	IP66	
Hydraulic oil tank	80 L	Working temperature	-20~50℃	

Note: Larger widths and special requirements can be customized.The actual weight of the machine depends on its configuration .

Construction Cases

