

SYTECHS CONCRETE SLIPFORM PAVER



ST-CP4000 /6000 /8000 SERIES

Capacity Range
ISO 9001:2008
80 – 300 TPH

INTRODUCTION OF ST-CP SLIPFORM CONCRETE PAVERS

The Sytechs slipform concrete pavers are designed based on North American Technology with paving widths ranging from .4 to 8 meters.

It can be widely used in urban and rural roads, high-grade highways, high-speed railway passenger lines, squares, docks, water conservancy and other cement concrete pavement engineering projects. This slipform paver is fully hydraulic with high power and two crawler tracks. It is equipped with automatic driving and automatic leveling control systems. It can complete concrete paving, scraping, vibrating, tamping and squeezing at one time during operation. It can press the pavement and other processes, and can complete the middle steel bar insertion, side steel bar insertion and other processes. The optional super trowel can eliminate the unevenness left on the surface of the concrete pavement through the horizontal and vertical compound movement of the trowel, thereby making it smoother. Economically achieve a smoother road surface.



MODEL	UNIT	ST-CP4000	ST-CP6000	ST-CP8000
Paving width	mm	3000-4500	3350- 6000	4250-8000
Paving thickness	mm	350	450	450
Paving speed	m/m ii	0-10	0-10	0-10
Crawler	unit	2	2	2
Travelling speed	Km/h	0-1.5	0-1.5	0-1.5
Gradeability	%	10%	10%	10%
Vibration bar	unit	7-12	8-13	10-18
Vibration frequency	Hz	5~167	5~167	5~167
Tamper bar system		170	170	170
Engine power	CUMMINS	Q 585.9- 160-30	Q 5B5.9- 210-30	Q SC8.3- 260-30
Engine power	Kw	119		194
Rating rotate speed	r/m	2200	2200	2200
Screw rotate speed	r/m	0-34	0-34	0-34
Hydraulic tank	L	570+420	590+420	690+690
Fuel tank	L	300	320	380
Water tank for washing	L	260 X 2	260 X 2	260 X 2
Leveling system	/	Standard	Standard	Standard
Smoother system	/	Optional	Optional	Optional
Transport dimension	mm	4020x4250x2800	4020x4750x2800	4020x5500x2800
Crawler shoe length	mm	3245	3245	3245
Crawler shoe width	mm	320	320	320
Ground pressure	Psi	13	15	17
Leg lifting height	mm	500	500	500
TBI system	/	Standard	Standard	Standard
SBI system	/	Standard	Standard	Standard
SBI system	/	Standard	Standard	Standard

2.MAIN OPERATING PERFORMANCE CHARACTERISTICS AND CONFIGURATION INTRODUCTION

Standard model: equipped with automatic implantation of dowel rods in the middle (one work station) and on both sides.

Optional accessories: Super trowel to reduce the manual workload. Through the horizontal and vertical composite movements of the trowel, the unevenness or steam drum left on the surface of the concrete pavement can be eliminated, thereby obtaining a smoother and high-quality pavement surface more economically. Consequently a better quality and effect of the pavement is achieved when used in the construction of embedded steel bars.

Consideration of slipform pavers Selections

- ✓ Wide scraping plate with fine adjustment mechanism to ensure paving surface flatness.
- ✓ Special angle cutting mechanism for good pavement shaping
- ✓ Simultaneous operations of scraping, vibrating, tamping, shaking, extruding and shaping, during which, reinforced steel can be inserted in the middle or at the LR/LH sides.
- ✓ Full hydraulic independent drive, micro computer with display and self diagnostic capability.
- ✓ Auto leveling and tracing system to ensure paving flatness straightness and smoothness at road bends
- ✓ Ergonomically designed with smart controls for operational comfort and easy operation
- ✓ Imported key components to ensure machine reliability and prolonged service life of the paver



1. Engine: Cummins water cooled engine, powerful, high-torque reservation, low fuel
2. consumption, emission in conformity with international environment.



2. Vibration device
Super high frequency, strong vibration, high density of top side paving



3. Auto Levelling System
Auto levelling and tracing system to ensure paving surface flatness and road straightness



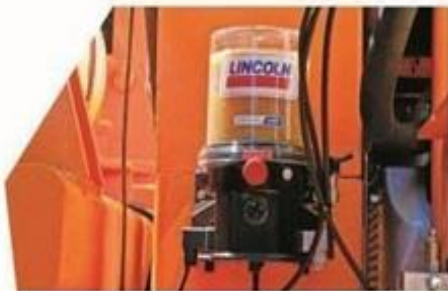
4. Scraping "Plate

Controlled by two hydraulic cylinders to control the incoming concrete quantity to the shaping template. The level of the scraping plate is automatically adjusted on both LH and RH independently.



5. Travelling System

Two hydraulic drive crawlers and micro-computer controlled to ensure a pre-set constant speed, correct straight line running and smooth steering at bends



6. Centralized lubrication

Automatic centralized lubrication system – effectively improve the reliability of the Tamper and feeding



7. Console

User friendly interface with display- Real time monitoring of the machine



8. Hydraulic Transmission

Hydraulic transmission for vibration bar, stepless frequency conversion to supply optimum frequency for all types of concrete.



9. Tamper Bar

Multi-segments and multi bars design to ensure further compaction and mud extraction



10. High Pressure Water

High pressure water is used to clean the machine effectively and to prevent the concrete from hardening and freezing on the machine.



11. Control System

Micro computer system with self- diagnostic capability.



12. Transfer Rod Press into System

Equipped with Middle and Two sides transfer lever press into system device, set automatically according to the spacing value into the transfer lever.



13. Super Leveling Device

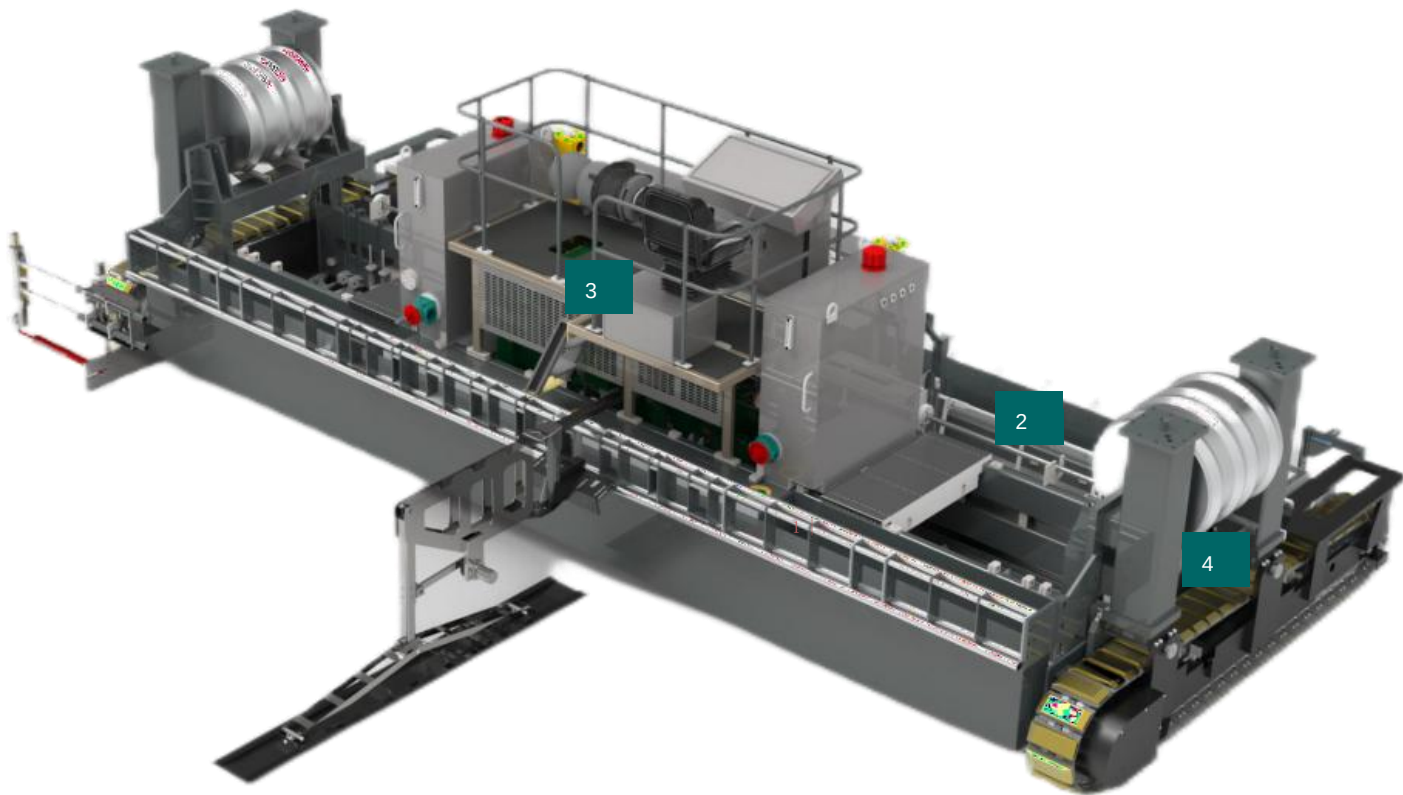
Optional super- flattening device, can be cross formed. Automatic leveling, reduced labor cost and evenly smoothed surface

The slipform paver can be designed for different templates according to the user's different road cross- sectional shapes to meet the user's pavement shaping requirements.

Outstanding features

FLEXIBLE PAVING

- 1 Perfectly precise paving of cement concrete pavements from up to 8 meters wide (Extension up to 9m) and up to 450 mm thick.
- 2 We offer a range of wear-resistant paving moulds that guarantee fast and reliable replacement of pavement width variations.



DIESEL ENGINE

- 3 Reliable and economical engine performance ensures construction quality, diesel consumption and noise emission.

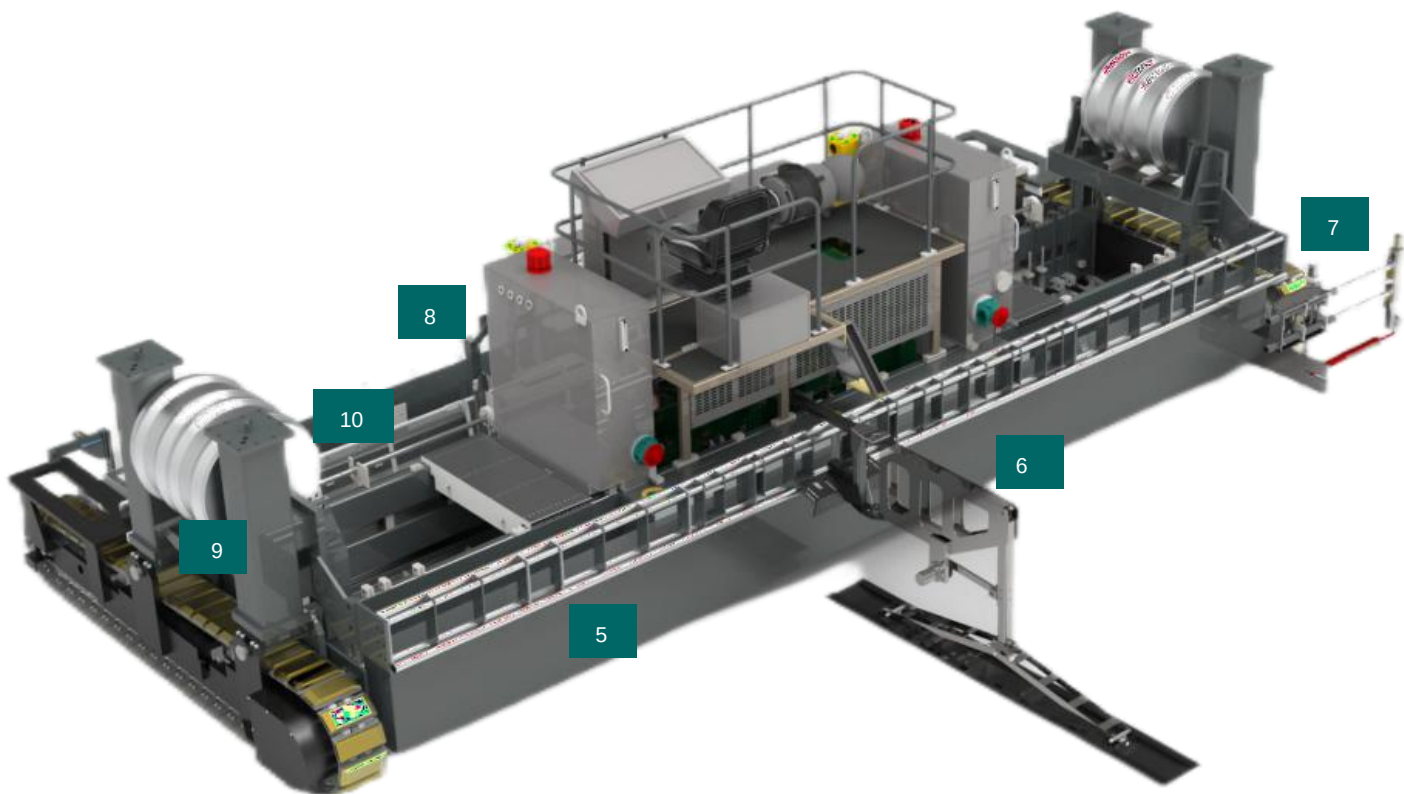
DUAL CRAWLER SYSTEM

- 5 The two track system provides strong and reliable road traction capacity to ensure the construction of large width road. At the same time, the two tracks can effectively adapt to the complex construction environment of the basic road surface, and can ensure the paving quality under the complex site working conditions.

AUXILIARY EQUIPMENT

5 The eccentric-driven heavy-duty oscillating beam system eliminates any abnormal concrete pavement surfaces. Particularly suitable for airfield construction.(sold separately)

6 Super smoothing device made of special materials for smooth concrete pavement levelling.(sold separately)



CONNECTION & REINFORCEMENT

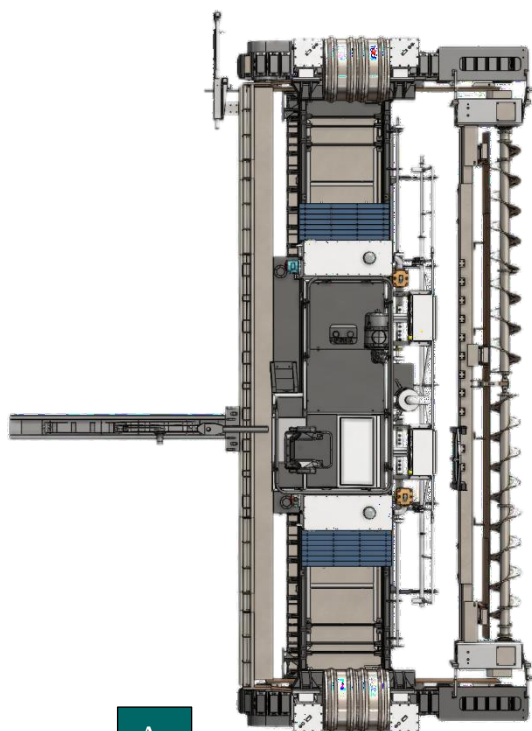
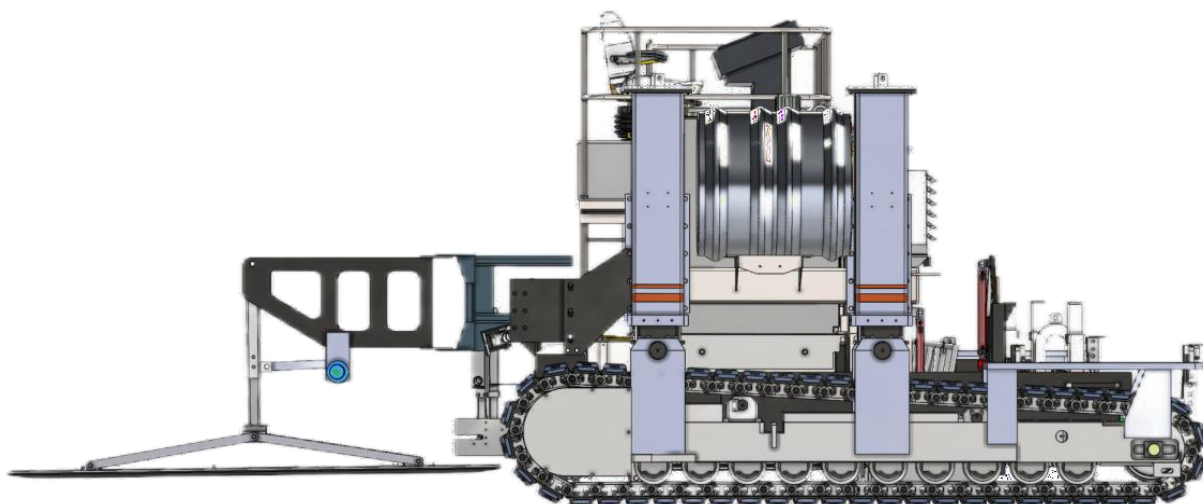
7 Separate lateral insertion device for side bars, which automatically inserts the side bars according to the customer's needs. (standard equipment).

8 Randomly configured intermediate tie bar insertion device to meet customer requirements for prefabrication of intermediate transverse tie bars in the pavement in special cases (standard configuration).

AUTOMATIC LEVELING SYSTEM & VIBRATION

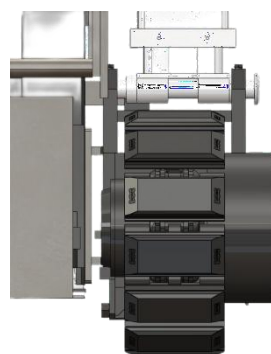
9 Adopting the international leading MOBA automatic levelling technology with 5 sensors as standard to ensure accurate pavement levelling information in various construction environments. (Standard configuration).

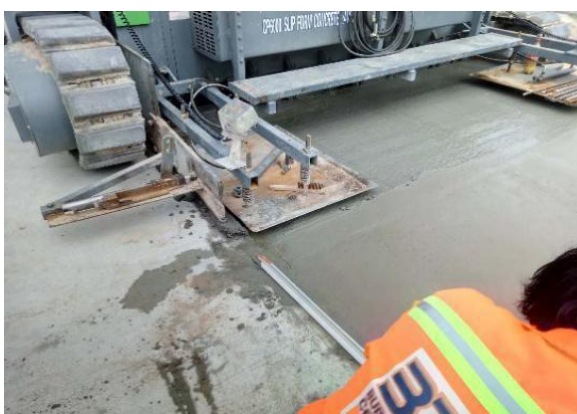
10 Adoption of powerful hydraulic vibrating bars ensures foolproof quality of dense construction pavement.



A

A







For more complete information on Sytechs products, dealer services, and industry solutions, please contact sales@sytechs-minerals.com

Sytechs Minerals N.A - Factory (Concrete Plant) Address: Construction machinery city, Zhengzhou, Henan, P.R. China

© 2021 Sytechs Minerals All Rights Reserved

Manufactured as per North American Design and
Specifications,
Under License of Sytechs Minerals N.A

ISO 9001
QUALITY SYSTEM
CERTIFIED