

## **SYTECHS CONCRETE SLIPFORM PAVER CP6000/CP8000**



### **INTRODUCTION OF CP 6000 & CP8000 SLIPFORM CONCRETE PAVERS**

The slipform concrete paver is based on the advanced technology of PAV-SAVER introduced from the American PRO-HOFF company. The Sytechs slipform concrete pavers are designed with paving widths ranging from 3.4 to 6 meters and 4.25 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.

| NO | ITEM                       | SPECIFICATION  | NOTE                               |
|----|----------------------------|--|------------------------------------|
| 1  | Engine                     | TAD851VE Volvo   | Sweden                             |
| 2  | Power                      | 185kw  |                                    |
| 3  | Speed                      | rpm 2200   |                                    |
| 4  | Emission                   | Euro III   |                                    |
| 5  | Paving Width               | m 4.25-8 m   |                                    |
| 6  | Paving Thickness           | 0-350mm  |                                    |
| 7  | Paving Speed               | 0-10m/min  |                                    |
| 8  | Moving Speed(Km/h)         | 8 0-2.0  |                                    |
| 9  | Climbing Capability        | ≥12%   |                                    |
| 10 | Flatness                   | 3mm/3m   |                                    |
| 11 | Drive Mode                 | Full hydraulic (closed system for traveling and tamping, open system for other working systems)          |                                    |
| 12 | Walking Mode               | Two rubber crawlers  |                                    |
| 13 | Walking System             | Two crawlers are independently hydraulically driven and controlled by microcomputer.                     |                                    |
| 14 | Vibrator                   | Wy High frequency vibrator   |                                    |
| 15 | Vibrator system            | Ultra-high frequency   |                                    |
| 16 | Auto Leveling System       | Digital MOBA   | Germany                            |
| 17 | Scraping Plate             | controlled by two hydraulic cylinders, can be raised and lowered independently as a whole or separately. |                                    |
| 18 | Lubrication                | LINCOLN  |                                    |
| 19 | Control System             | Large screen display, real time monitoring   |                                    |
| 20 | Hydraulic System           | Danfoss、PERMCO、ATOS  | USA, Italy                         |
| 21 | Main electrical components | Controller TTC, Display CCP Volvo, Handle ARNL, Switch APEM & HONEYWELL                                  | Germany, Sweden, Japan, France USA |
| 22 | Rebar embedder             | Auto-hydraulically driven  |                                    |
| 23 | Overall Dimensions mm      | 4020*9290*2770   |                                    |
| 24 | Whole weight               | 25 Tons  |                                    |

## 2. Main operating performance characteristics and configuration introduction

- ✓ 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

- 采用大宽度抹平板出模线微调机构，操作简单、方便、快捷，有效地保证了路面摊铺平整度。
- 采用不坍边掉角机构设置，使路面成型效果优良。
- 作业时可一次性完成水泥混凝土摊铺、刮平、振捣、捣固、挤压成型路面等工序，并可完成中间钢筋插入，侧边钢筋插入等工序。
- 全液压轮边独立驱动，微电脑恒速控制，配有显示屏，具有故障自诊断功能。
- 具有自动找平和自动跟踪系统，确保了路面的平整度、直线性和平滑的弯道转向。
- 智能化控制，人性化布置大大地提高了操作舒适性。
- 关键部件全套进口，保证了机器的可靠性，并有效的延长了机器的使用寿命。
- 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 at the same time. Meanwhile, reinforce steel bars can be inserted from from either middle or side.
- Full hydraulic independent drive, micro-computer with display and self-diagnostic capability.
- Auto levelling and tracing systems to ensure paving flatness, straightness and smoothness at road bends.
- Ergonomically designed with smart controls for operational comfort and ease.
- Imported kev components to ensure machine reliability and prolona service life of the naver.



1. Volvo TAD620VE Water cooled engine, Powerful , high torque, low fuel consumption, emission in conformity with European regulations.



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



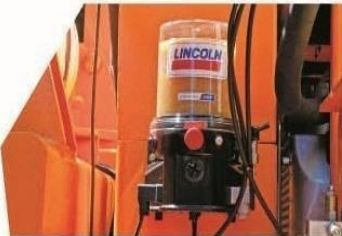
#### 4. Scraping Plate

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.



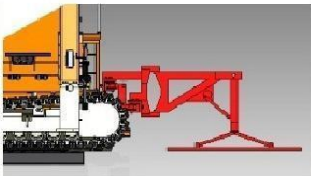
**11. Control System**

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.



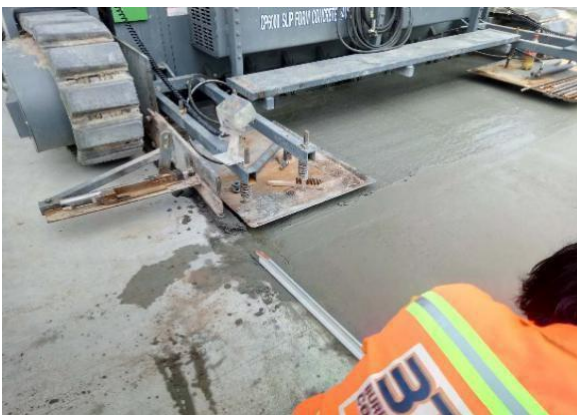
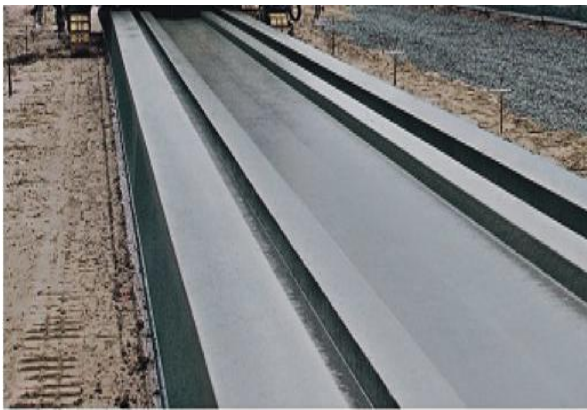
**13. Super Leveling Device**

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

**3, Cases**



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.





### Consideration of slipform pavers Selections

CP6000 Paver: minimum paving width 3.35m, maximum width 6m, paving thickness 350mm, paving in two sections, each 4.5 meters. Engine model: Volvo TAD552VE (VOLVO) 160kw /2200rpm.

CP8000 Paver: minimum paving width 4.25m, maximum width 8m, paving thickness 350mm, the entire width is paved at one time. Engine model: Volvo TAD851VE (VOLVO) 185kw /2200rpm.

Walking mode: two tracks

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 especially to get a better quality and effect of the pavement when used in the construction of embedded or embedded steel bars.

For more complete information on Symonstechnology (Sytechs) products, dealer services, and industry solutions, please contact [sales@sytechs-minerals.com](mailto:sales@sytechs-minerals.com)

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