

SOLID TO SUCCEED



Paver

RP905i



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RP905i paver is a construction machine mainly used for the paving of surface material on various classified highways. The machine fully absorbs the advanced technologies and advantages of similar international products. It adopts the most advanced technologies in the world today, such as full hydraulic drive, microcomputer control, left and right independent drive, material level sensing control, electronic automatic leveling, vibratory compaction, variable-frequency electric heating, etc. It has the advantages of good paving stability, uniform material supply, high precompaction density, good leveling, comfortable operation, convenient maintenance, energy conservation and environmental protection. All the components of the machine are internationally selected components, strictly tested and reasonably combined, which makes the manufacturing quality and reliability of the whole machine reach the international advanced level, and is the first choice of road construction equipment.



Main Performance And Characteristics

- 1** The left and right driving devices run separately, the microcomputer control is adopted and the constant-speed automatic control technology is utilized to control the paving speed.
- 2** The mature and reliable Cummins B6.7 diesel engine is installed, with the strong power output up to 173kW.
- 3** The three-in-one compound radiator is adopted and the fan speed is adjusted automatically with the water temperature to ensure that the machine can work continuously for long time at a high temperature of 50°C.
- 4** Four sets of full hydraulic systems that run separately are adopted for the conveying and distributing; the material pad control technology (or ultrasonic) is adopted for conveying, and the ultrasonic sensing control technology is adopted for distributing; the material level is controlled automatically to ensure stable material level in the chute.
- 5** The distributing device can move up and down conveniently, with wide adjustment range to adapt to the different paving thicknesses and reduce the segregation.
- 6** The distributing blade is made of high wear-resistant alloy material, and the conveying baseplate and screed baseplate are made of high wear-resistant steel plate to effectively extend the service life of the machine and reduce the maintenance cost.
- 7** The whole machine is equipped with a hydraulic telescopic screed supported on four positions, as well as single vibration, eccentric vibration, hydraulic arch adjustment and variable-frequency electric heating etc.
- 8** The console is equipped with a large liquid crystal display screen to display various operating parameters directly, and the display screen can be moved to the left or right for the convenience of control.
- 9** The hopper is equipped with a hydraulic flap on its front end to control the material spilling effective and reduce the labor intensity.
- 10** The central lubrication system is equipped to supply even lubricating oil automatically to various high-temperature positions.
- 11** The automation degree is high, the operation is simple and convenient, the construction quality is good and the working efficiency is high.
- 12** It is equipped with large-opening hood and telescopic operator shed for the convenience of maintenance and providing more protection for the operator.



New generation intelligent control panel

X-PC intelligent control panel

- Main control: 10.1" large touch screen display, more intuitive and easy to operate, the display can be used as an independent control panel with wireless operation mode.
- Screed control: 7-inch large screen display, leveling integrated control (optional).



Robust Power System

Powerful Cummins Engine

- EU stage V, 173W/2000rpm;
- ECO mode, meet the needs of multiple working conditions.Reduce noise and construction cost.

Composite cooling system

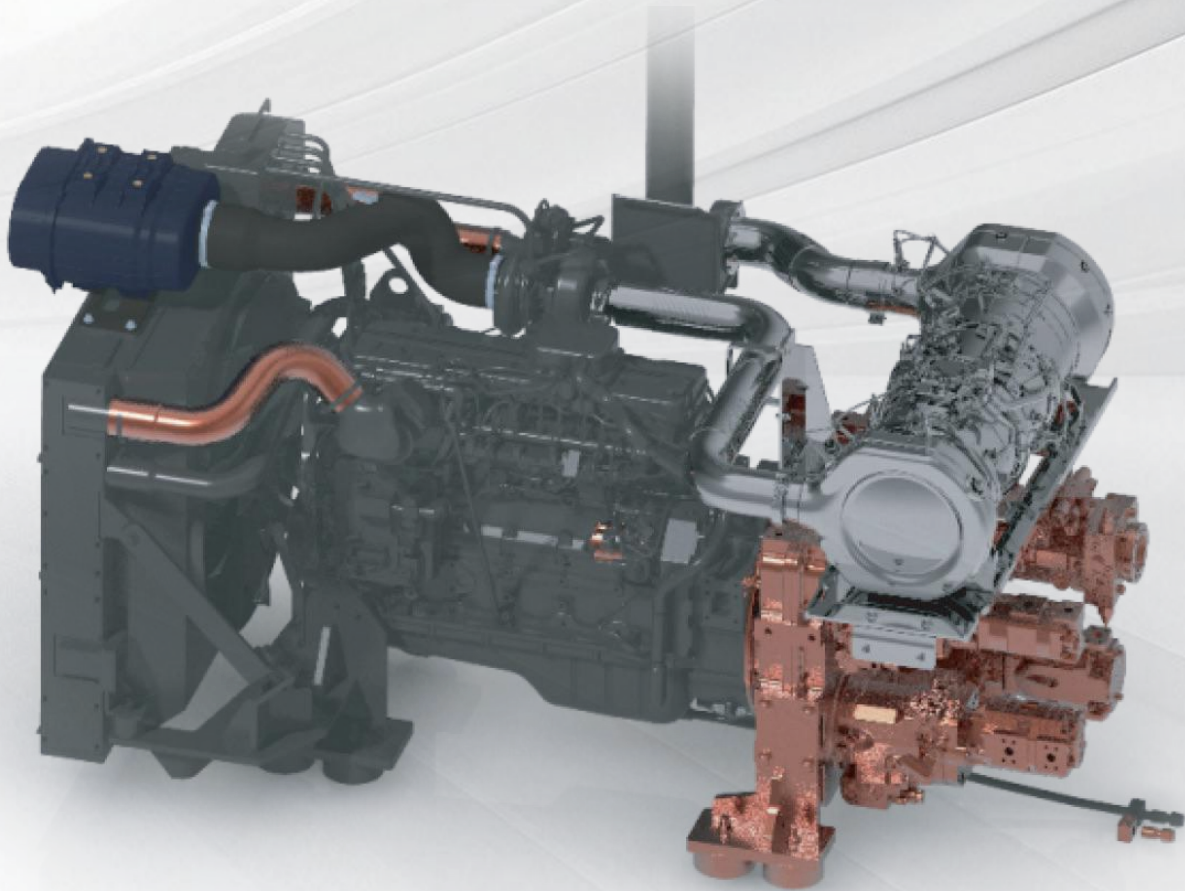
- The three-in-one composite cooling system ensures the continuous operation of the equipment in harsh environment;
- Innovative air ventilation, efficient cooling, low noise.

Intelligent control fan

- Electronic silicone oil clutch + silent fan;
- Intelligent fan control system, more quiet, more efficient.

Excellent transmission system

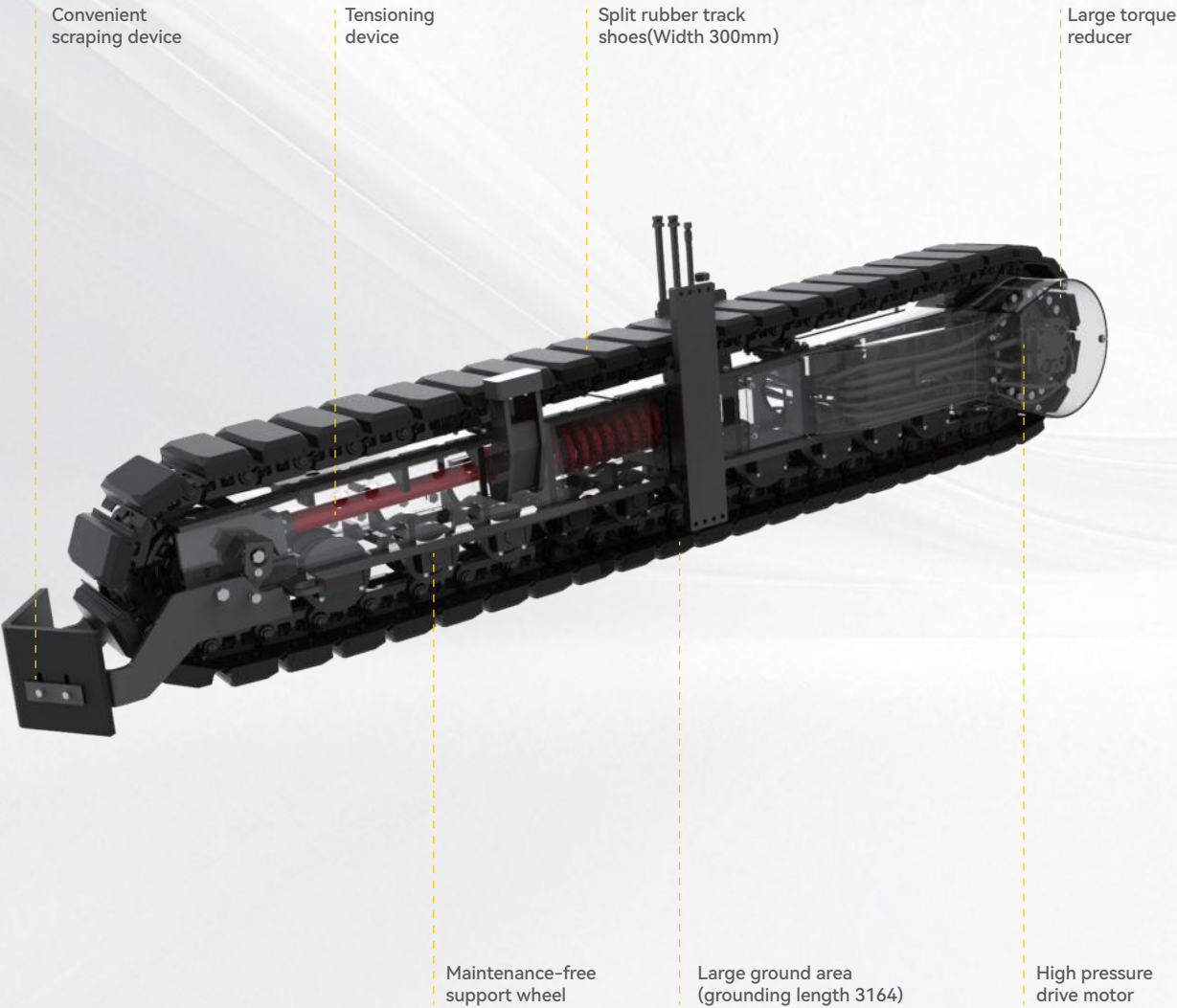
- High quality transmission components ensure the high reliability of the product;



Stable and reliable propel device

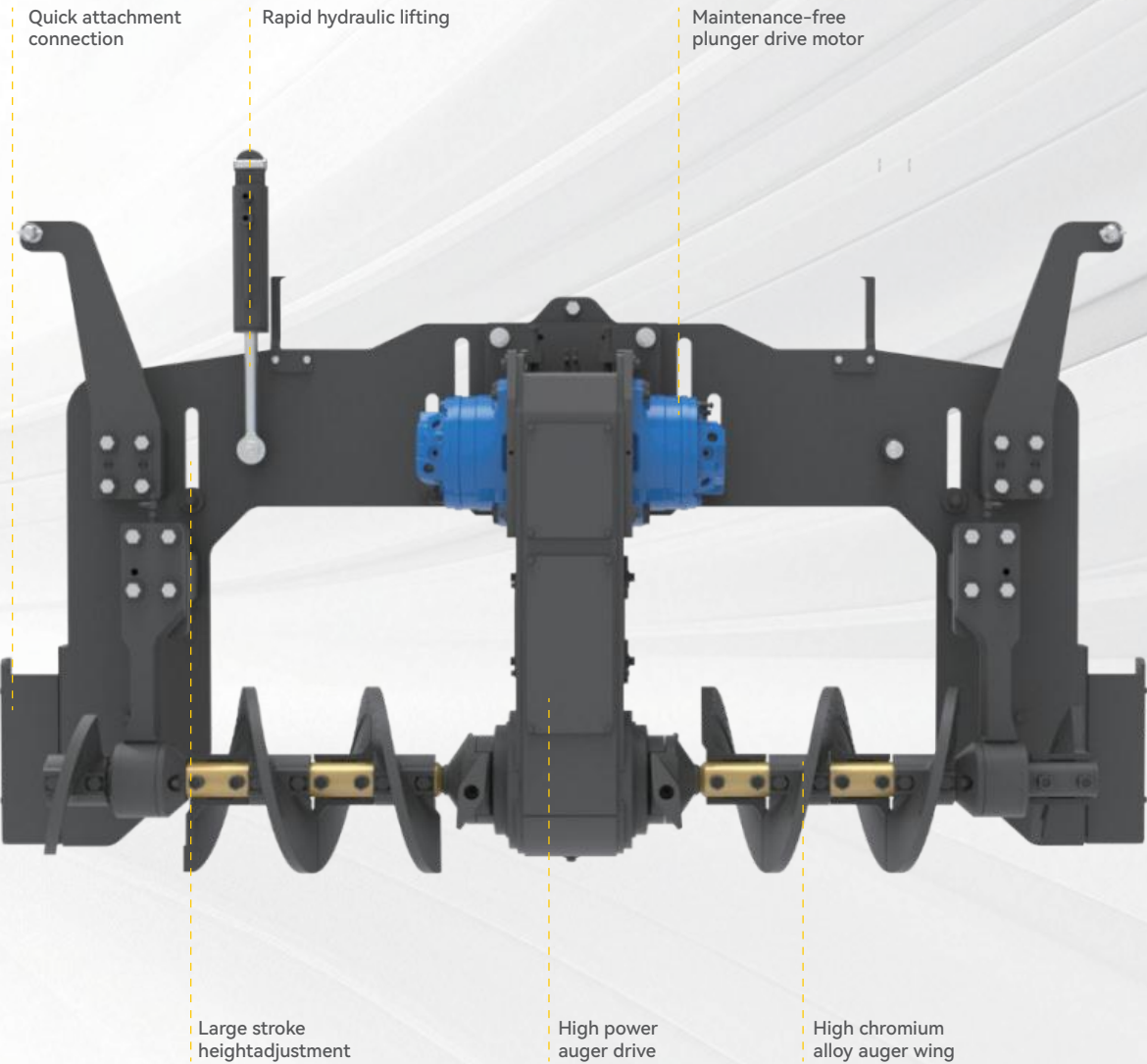
Excellent propel system

- Closed-loop control, constant speed control system, more excellent walking stability, ensure the consistency of construction quality;
- Strong driving ability, convenient maintenance, reducing fatigue of operators.



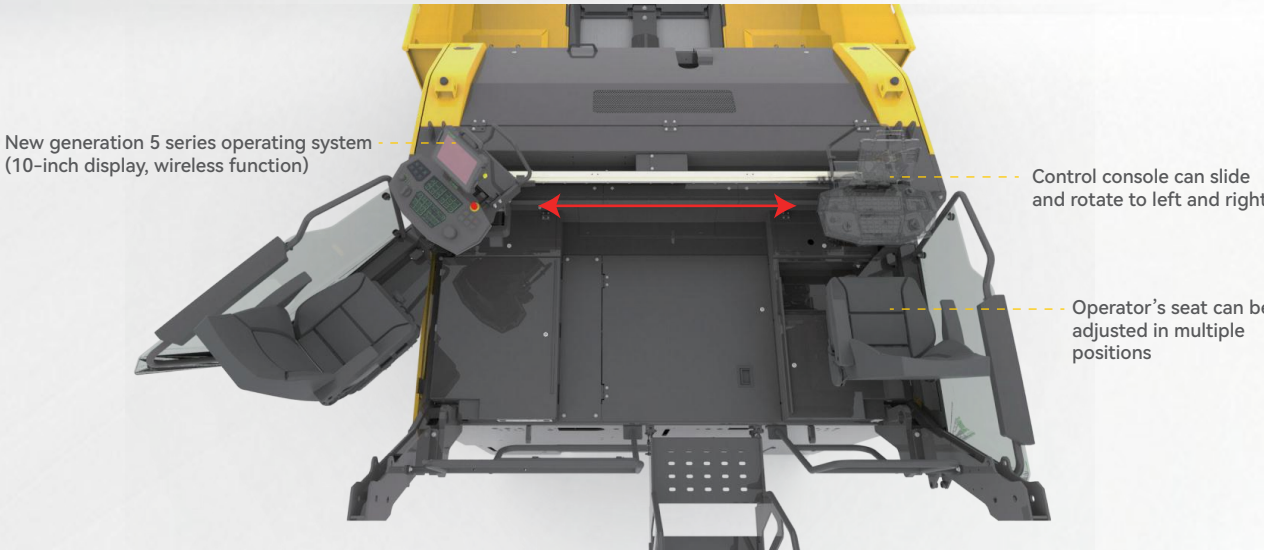
Superior Auger System

- High pressure plunger motor is used, allowing auger driving capacity increased by 20%, and torsion resistance of enhanced material auger rod is increased by 30%.
- Auger height can be lifted and lowered with one key, and the adjustment stroke is 200mm, which can quickly adapt to the construction needs of asphalt and water stable material.



Comfortable Operating Environment

- Hard roof with retractable sunshade, provide a more comfortable working environment;
- Rotatable seat system, high-quality seats, providing the operator with comfort and excellent visibility;
- The whole machine is equipped with full view lighting system, to ensure the efficient operation of night construction.



Versatile material supply system

- The hopper has a hydraulically driven front strike-off plate, large hopper folds and unfolds at a large angle, effectively avoiding the spillage of material during working;
- Patented shock-free push rollers can reduce the impact of supply truck on paver and avoid construction defects;
- The conveyor base plate is made of high wear-resistant steel plate with long service life, and its plug-in structure is easy to be replaced.



Durable Conveyor System

High pressure drive motor

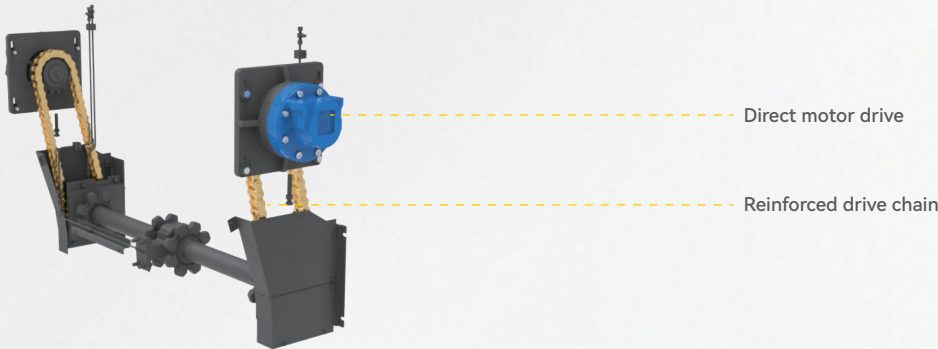
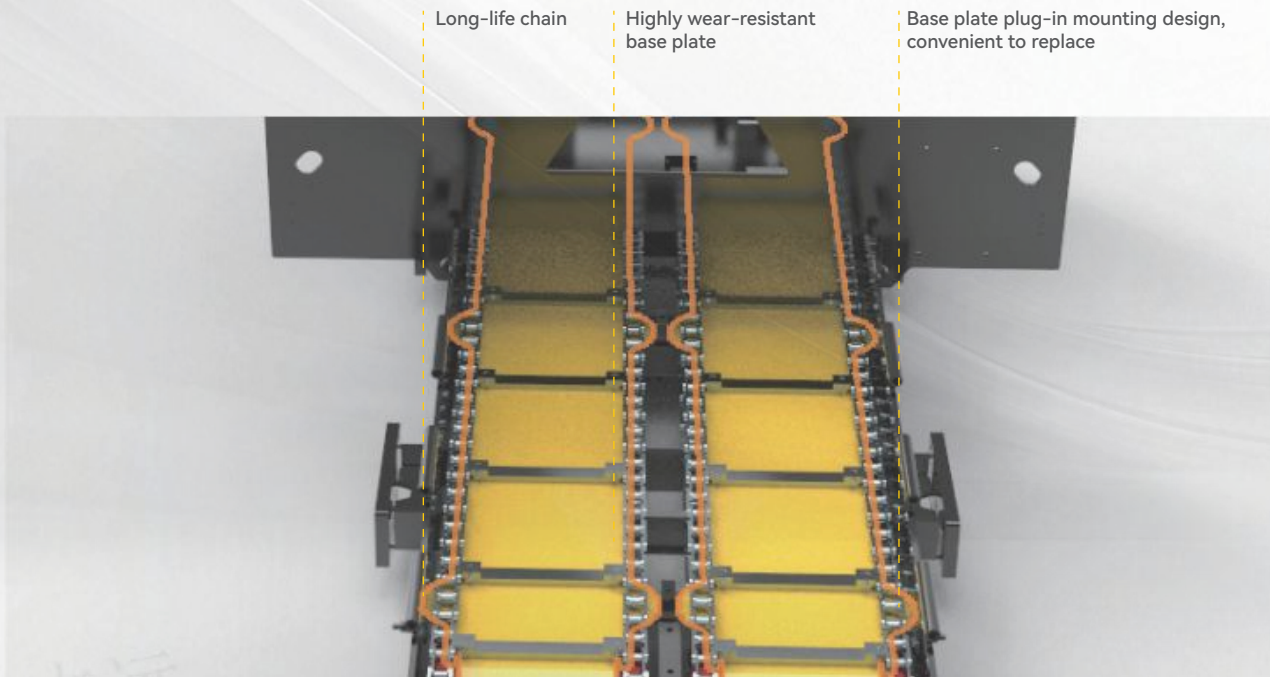
- High-pressure piston motor with high torque, maintenance-free for entire lifetime

Wear resistant base plate

- Made of wear-resistant base plate material 450.
- Weldless design, plug-in installation method for easy and fast replacement.

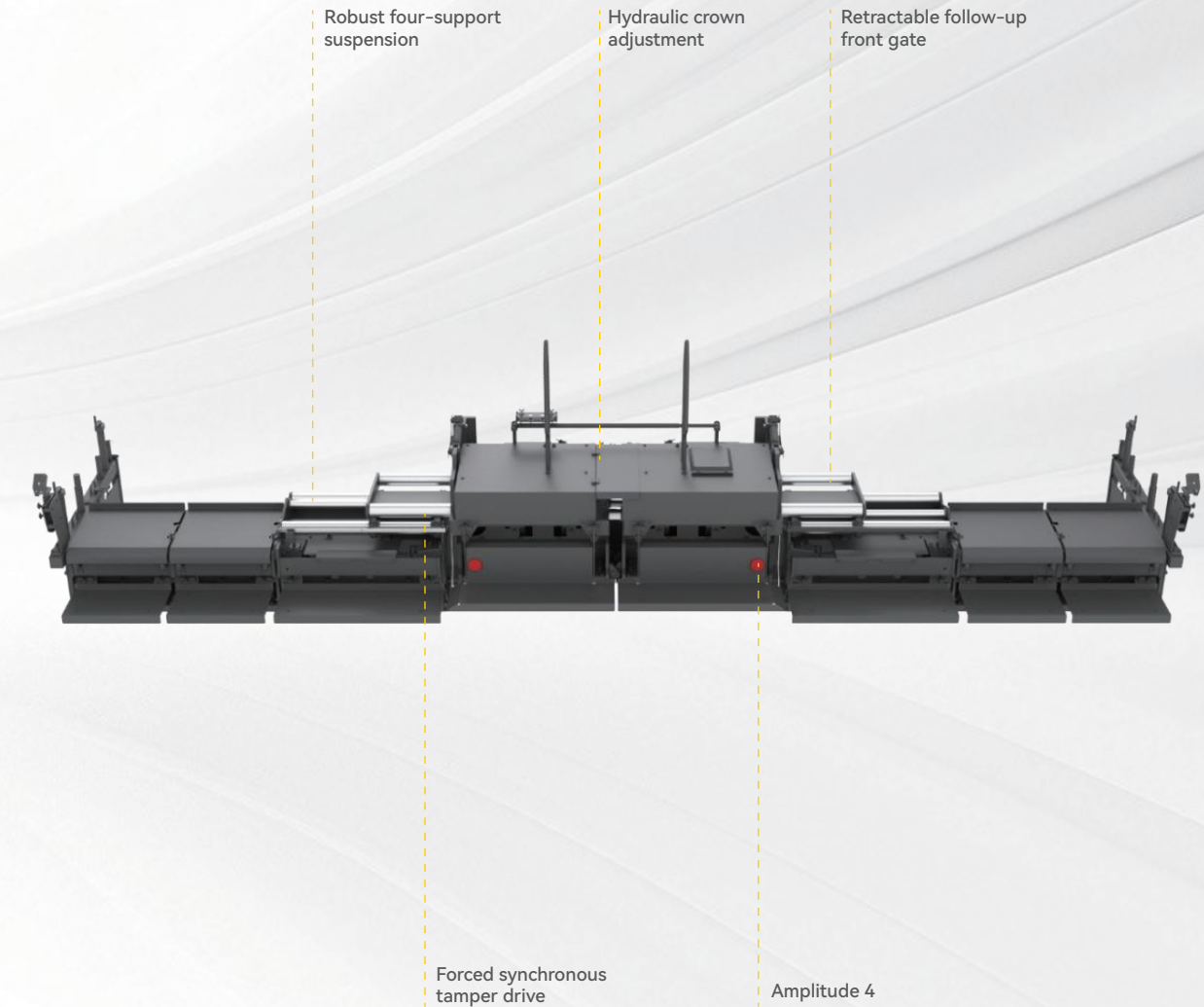
Long-life scraper chain

- T80 high-strength scraper chain ensures the high efficiency and stability of the conveyor system.
- Denser scraper design, higher conveying efficiency



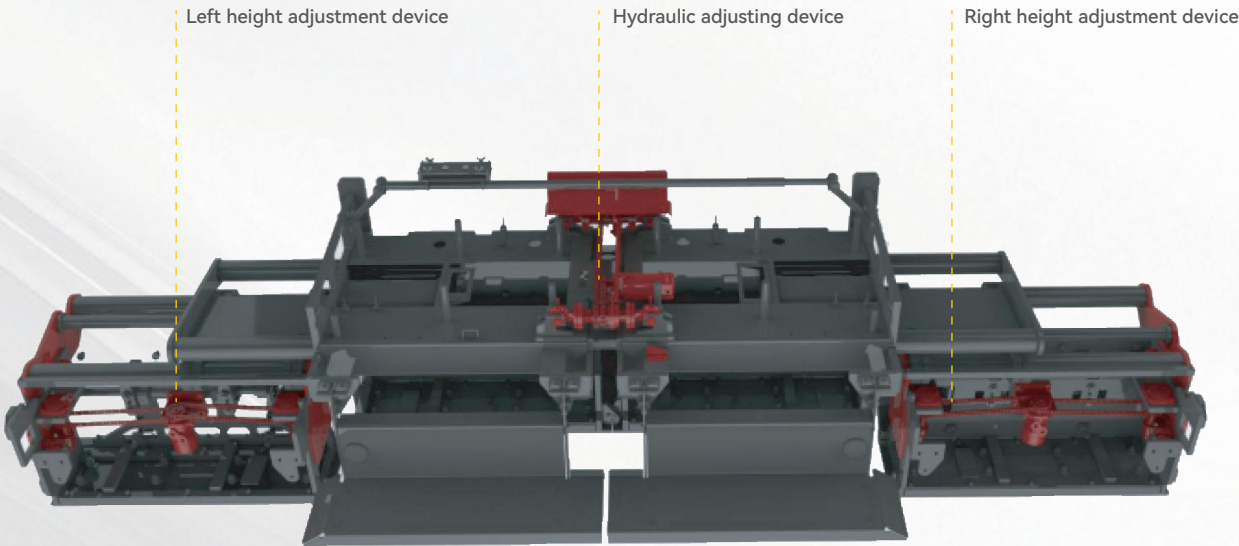
Advanced Four Support Screed

- Compact, four-support suspension with excellent resistance to deformation and superior pavement formation.
- E500BTV screed basic width 2.5~5.0m, maximum 8.0m, easy transportation and adjustment;
- E600BTV screed basic width 3.0~6.0m, maximum 9.0m, wide range of adaptation.



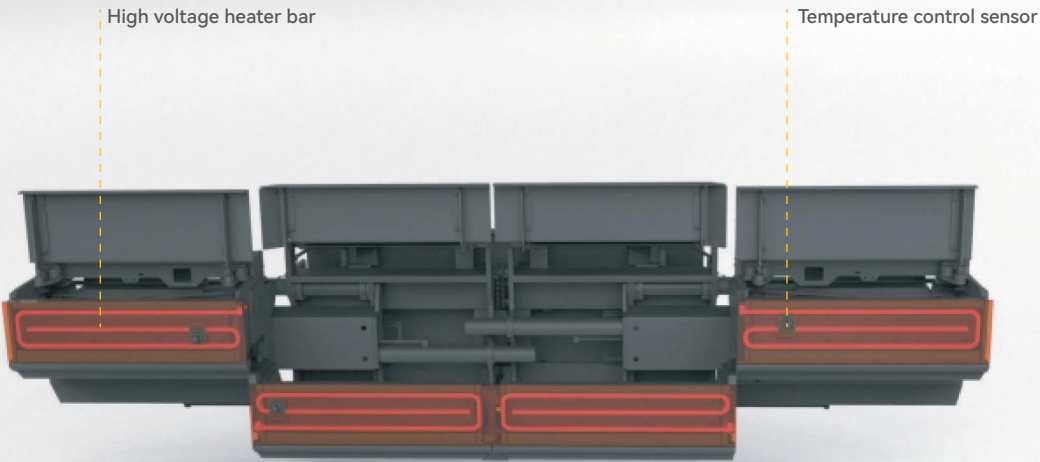
Hydraulic crown adjustment and height adjustment

- The crown and height adjustment are all electro-hydraulic controlled, one key operation, convenient and efficient.



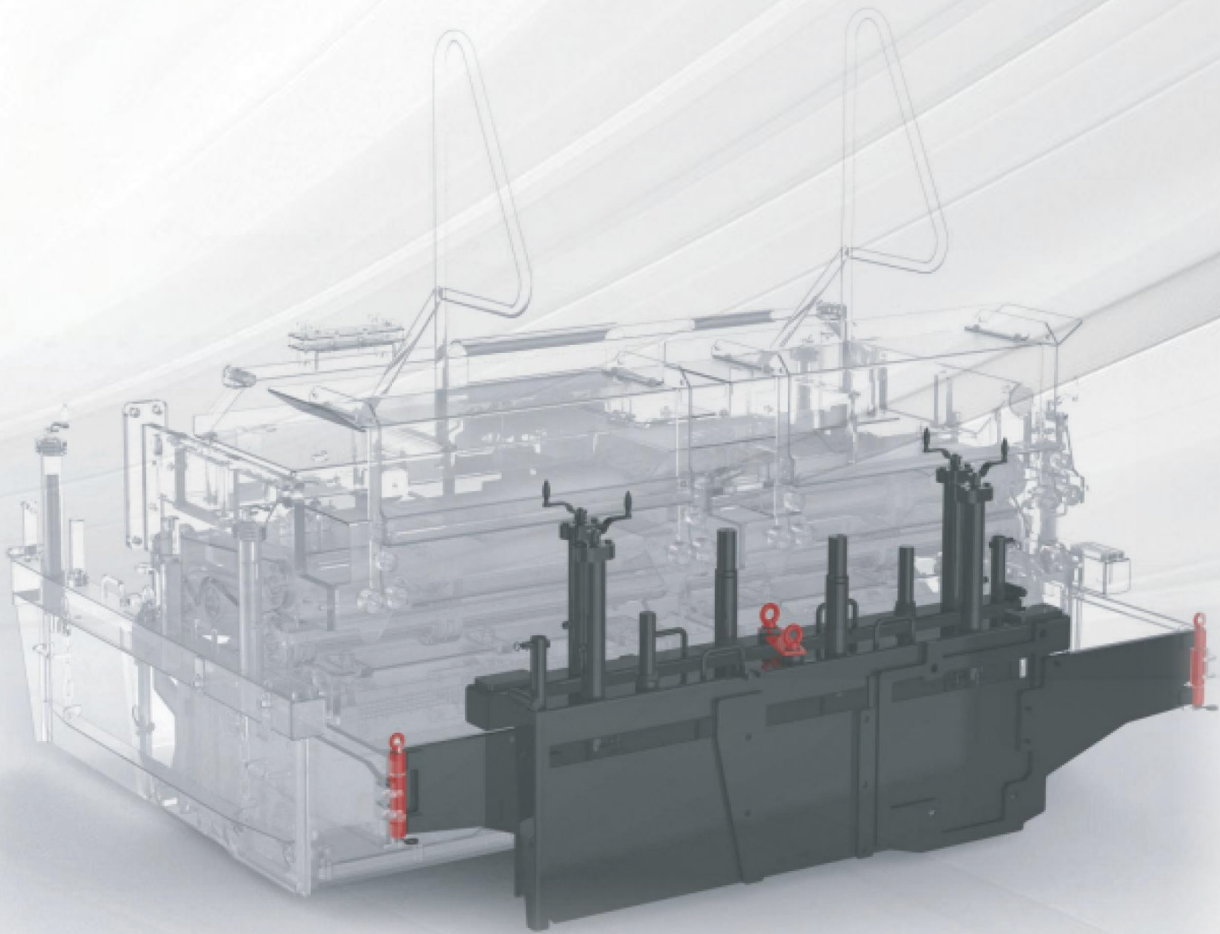
Efficient electric heating system

- High power heater bar with large contact area and can be equipped with temperature control sensor to adjust the heating power according to changes in paving temperature, resulting in energy saving and economic efficiency.



Reversible end gates(optional)

- During transportation simply turning the side gate over at the rear of the screed, reducing the transport width and making it easy to install and adjust.

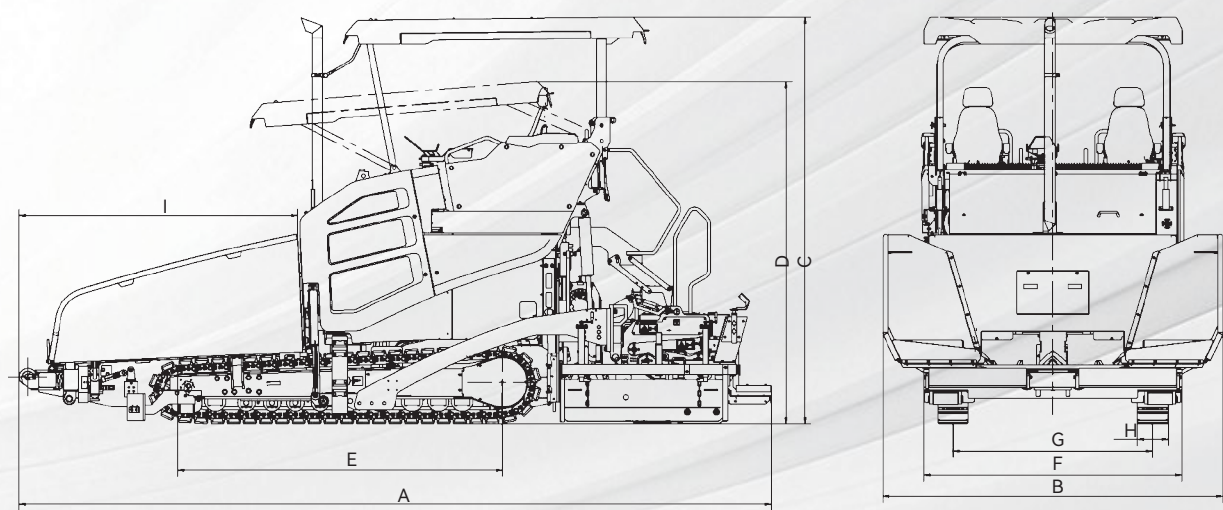


Main Technical Parameters

Items	Unit	Performance Parameters		Remarks
		E3060ATV	E2550ATV	
Basic paving width	m	3.0~6	2.5~5	
Maximum paving width	m	9.0	8.0	
Maximum paving thickness	mm	450		
Maximum operating speed	m/min	25		
Maximum traveling speed	km/h	4		
Theoretical productivity	t/h	900		
Hopper capacity	t	15		
Gradeability	%	20		
Flatness (standard deviation)**	mm	1.2		
Cross slope error	%	±0.2		
Arch adjustment range	%	-1.5~+4.5		
Diesel engine model	/	B6.7		
Rated power of diesel engine	kW	173		
Rated speed of diesel engine	r/min	2000		
Distributing speed	r/min	0~110		
Conveying speed	m/min	0~34		
Vibrating speed	r/min	0~1800		
Vibrating amplitude	mm	4		
Vibration frequency	Hz	0~50		
Overall weight	t	22.8~24.5	22.5~23.8	
Transportation outline dimensions	mm	6982X3000X3080	6982X2550X3080	
Diesel tank capacity	L	240		
Hydraulic oil tank capacity	L	260		
Heating mode of screed	/	Electric heating		
Heating generator power	kW	40		Variable frequency
Control mode of conveying level	/	Angle sensing integrated automatic control		
Control mode of distributing level	/	Ultrasonic sensing automatic control		
Control mode of automatic leveling	/	Two-longitudinal & one-transverse levelling device		

Note: Flatness (standard deviation)**, not merely depends on the paver itself.

Appearance And Dimensions



Model	A	B	C	D	E	F	G	H	I
RP905i	7282	3288	3928	3180	3164	2550	1970	300	2695

Application Cases