

MatTracker™

Tracks lane edges for a perfect lane overlap

MatTracker™ is a sensor for use on asphalt pavers to improve the quality of longitudinal joints between two adjacent lanes.

The weakest part of an asphalt road is found in the longitudinal joint. On the edge of the mat it is difficult to get a high density. A key parameter to achieve a high density is to secure a consistent and proper overlap.

MatTracker™ follows the edge of an existing lane of paved asphalt and controls the side plate of the screed to maintain a specific overlap. By automatically tracking the lane edge and controlling the side plate position, MatTracker™ is able to deliver a higher precision in the width of the overlap for an improved density in the joint.

At the same time, automating the control of the side plate frees up a screed operator to focus on other quality enhancing activities.

The MatTracker™ uses a NIR-camera, a NIR-light source and advanced image processing algorithms to identify the edge of an existing paved lane.

With a simple and intuitive interface the movement of the side plate can be monitored during operation via the integrated LED panel.

MatTracker™ can be used on either side of the paver.



MatTracker™ Specifications	
Part Number	S-55001
Application	Adjusts position of side plate to ensure a certain overlap, when paving multiple lanes
Power Supply	24 Volt System (22-30 VDC)
Power Consumption	Typical 250 mA at 24 VDC
Dimensions (LxWxH)	200x200x400mm/7.9x7.9x15.7 inches
Weight	1.6Kg / 3.6lbs
House	Aluminium
Storage Temperature	-30°C to 80°C / -22°F to 176°F
Operating Temperature	-10°C to 70°C / 14°F to 158° F
Sensor Type	NIR camera
Resolution	1mm
Connections	Cannon Bayonet Plug, Male 6 pin A: Vbat D: NC B: Gnd E: CAN_Hi C: Input_side F: CAN_Lo
Communication bus	CAN

