TECHNOLOGIES
PAVING INNOVATION

MatTracker™
Tracks lane edges for a perfect overlap

The MatTracker™ is a sensor and controller 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.

The 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, the 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 desired overlap can be easily adjusted, and the movement of the side plate can be monitored during operation via the integrated LED panel.

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

MatTracker™ Specifications	
Part Number	S-51700
Application	Adjusts position of side plate to ensure a certain overlap, when paving multiple lanes
Power Supply	12/24 Volt System (10-30 VDC)
Power Consumption	Typical at 24 VDC 250 mA
Dimensions (LxWxH)	200x200x400mm/7.9x7.9x15.7 inches
Weight	1Kg/2.2 pounds
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
Sensor Range	500 mm +/- 50 mm 19.7" +/- 1.7"
Connections	Cannon Bayonet Plug, male 6 pin A: Vbat D: Output down B: Gnd E: CAN_Lo C: Output up F: CAN_Hi
Output (to valves)	ON/OFF, PNP or NPN max 1.2A continuously, 2.0A pulsed Proportional or CAN (optional)

MatTracker™

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