

Autonomous Paving Technologies

DELTA

A COLAS COMPANY

Why Automation?

- Improves Safety
- Boost Productivity
- Increased Accuracy and Quality
- Reductions Cost over the Project Lifecycle
- Helps Address Labor Shortages
- Improves Consistency Across the Jobsite



What started our Journey.



ME **MONSEN**
ENGINEERING



Tiny Mobile Robot, Mosen Engineering



Bowen at work.



Improvements we have seen.



Paving before Autonomy



Paving before Autonomy



Tools that make automation possible



Why Survey before Construction?

- Accurate Existing Conditions
- Reduces Rework & Change Orders
- Improves Safety Planning
- Better Quantity Estimates
- Supports Collaboration
- Creates a Baseline for Tracking Progress



SSI Full Lane Survey Profiler



Autonomous Paver Setup



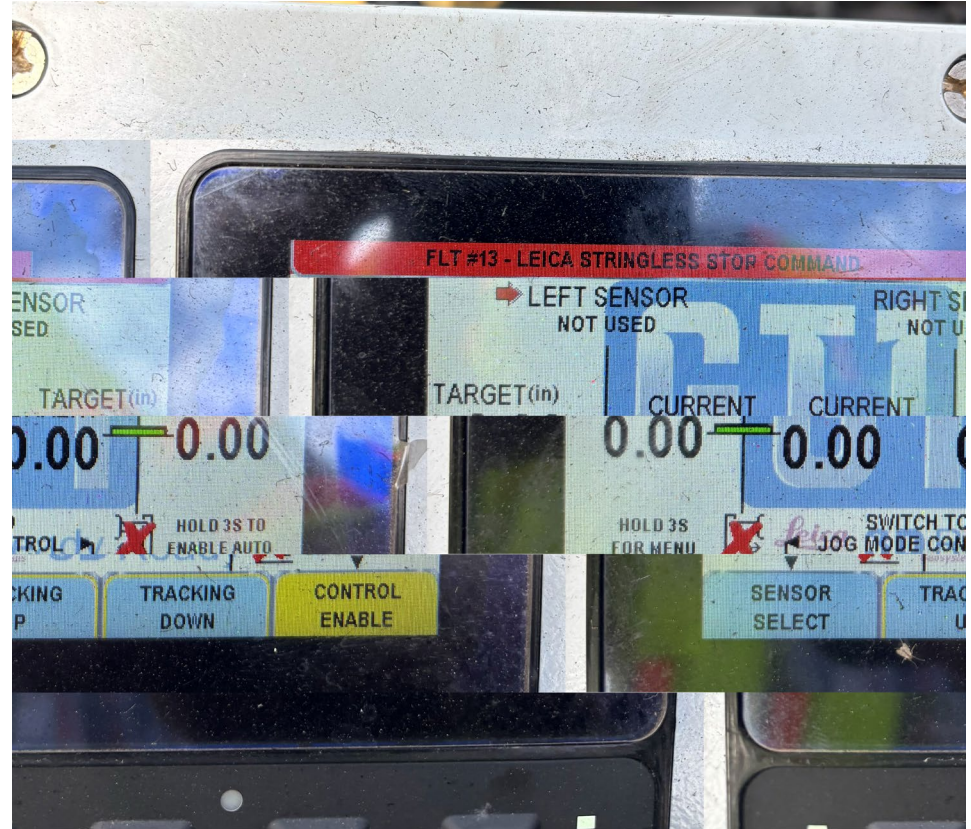
Paver Control Options

- Steering Control
- Auto End gate Control/ Single or Dual
- Grade Control Manually
- Grade Control Based upon a 3D Model
- Grade Control using Paving Skis (MOBA)
- Machine is controlled based on specific needs.

Autonomous Paver Setup



Autonomous Paver Setup



Field Setup



C1 - PUBLIC: Free distribution.



Paver in Action



Paving a Curve





C1 - PUBLIC: Free distribution.

Results



C1 - PUBLIC: Free distribution.



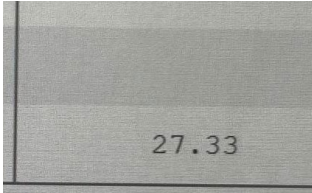




C1 - PUBLIC: Free distribution.



Autonomous Production Smoothness & Quality



Ticket: **95620969**
 Location: 101956 9/16/2025 6:00:00PM
 101956 *102*

Qty	Rate	Amount
Product	22.79	Ton
Freight		
Tax	EO	
Total		

	Pounds	Tons	Metric	
Gross	72480	36.24	32.88	Scale 1
Tare	26900 *	13.45 *	12.20 *	
Net	45580	22.79	20.67	
				* Manual P. T.
Today	Order			
Loads	139	1,042		
Qty	3,127.18	22429.03		

Delinquent accounts are subject to a finance charge of 1 1/2% per month (18 Annual Percentage Rate), or maximum rate allowed by law, plus any associated legal or collection fees incurred to collect reference account.

ORIGINAL



Autonomous Production Smoothness & Quality





Thank You

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