

GEM *Studio II*



A SIKA BRAND

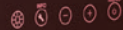
Building Trust

The latest GEM Studio II speaks volumes.

Colorbotics built the first human-machine interface ever engineered for the mulch yard. With the tap of the screen — on site or remotely — operators control the color pump and water to dial in the exact recipe in real time. The GEM Studio II takes another step forward by incorporating a new, unmatched volumetric measuring system. Its laser technology was designed to accurately capture material moving across the conveyor belt — no matter the belt speed or shape. It has built-in filters for vibration, reflection and other contamination, and it even accounts for inconsistent flow when there are gaps across the belt.

From mixing to loading, the GEM Studio II delivers precision.

GEM *Studioll*



PRIMARY POWER DISCONNECT
DESCONECTAR ENERGIA PRIMARIA

VOLTAGE	480VAC
PHASE	3
FREQUENCY	60 HERTZ
CURRENT REQD	200 AMPS
LARGEST MOTOR	124 FLA
MAIN CBCR	200AMPS
SCCR	15K AMPS
DIA. #S	CBXP.DWG

Remove the guesswork from mulch coloring.

GEM Studio II encompasses your production end-to-end, from fine-tuned volume measurement to custom color recipes. The user-centered design of the interface feels natural to navigate, so even a new hire will be working with the efficiency and consistency of an old pro. The software also learns on the job to help operators account for day-to-day production conditions.





Input Assist

GEM Studio II automatically detects opportunities to maximize efficiencies and minimize costly mistakes, then helps perfect each recipe program based on historical performance.



Adaptive Material Control

With measurements coming in every five seconds, GEM Studio II can recalculate what's needed for each recipe — outsmarting the most minute fluctuations in output.



Performance Metrics

GEM Studio II keeps a complete archive of historical analytics and sends real-time alerts to any smart device. So you can take a vacation and still see inside your Sahara.



Interactive Maintenance

GEM Studio II syncs maintenance tasks to create a trackable to-do list. And when it's time to replace a part, operators can order the exact one right on the touchscreen.



Remote Programming

If an operator runs into an issue or needs assistance with something, our team can connect directly to your GEM Studio II and help with just about anything.

Push the right buttons, from anywhere.

With the GEM Studio II's do-it-all interface, operators are always in control. Next to the machine or around the world, a tap of the screen dials in the right mix and monitors every detail.

Customers can add the program on any device — free of charge. And because Colorbotics built the platform in-house, our team can troubleshoot to any location.





Colorbotics
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System Status
ON

Daily Yards Produced
1088.20

Production Logging
Updated Every 10 Seconds

Date	Time	Avg Depth	Avg TDH	Minutes Run	Yards Produced
07-27-2026	08:42:19	4.65	352.24	67	327.38
07-27-2026	09:52:43	4.51	346.89	48	273.21
07-27-2026	10:47:15	4.58	350.00	53	341.68

Material
Red Colored Mulch
Red Colored Mulch
Brown Colored Mulch

Operator
John Smith
John Smith
John Smith

Batch Control
Batch Size: 1
Accumulate: 0.50

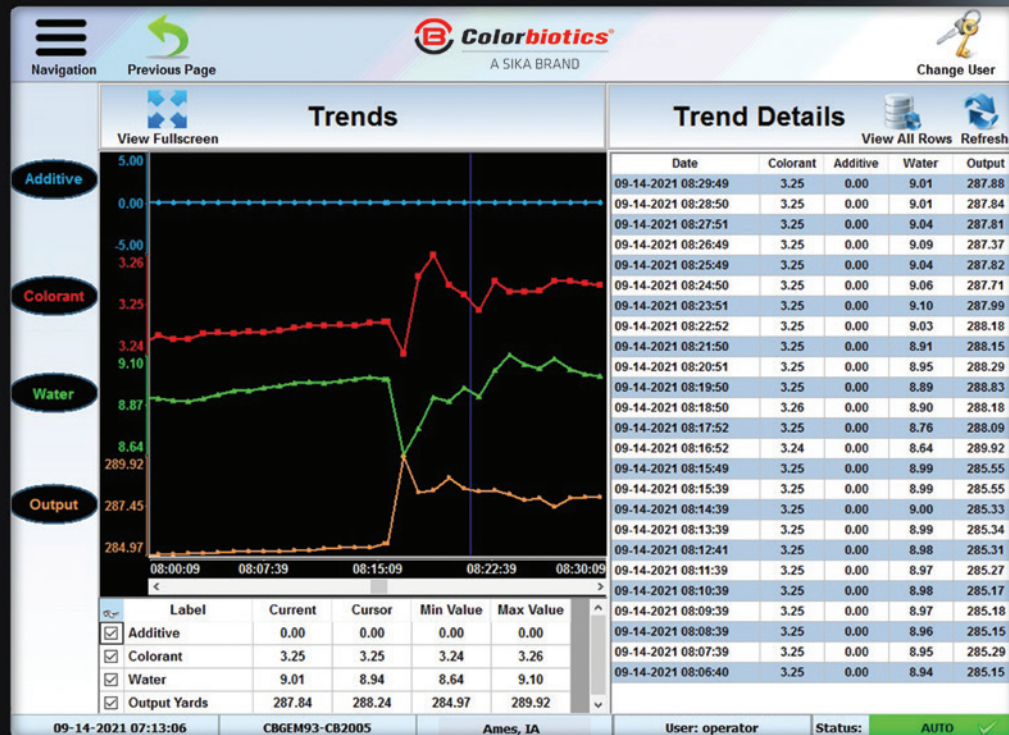
Daily Running
Hours: 2
Minutes: 40

Material Depth
Current Depth: 4.75
Ready Depth: 6.58

Belt Speed
Feed The Motor: 20.58

Follow the flow of the material, down to the drop.

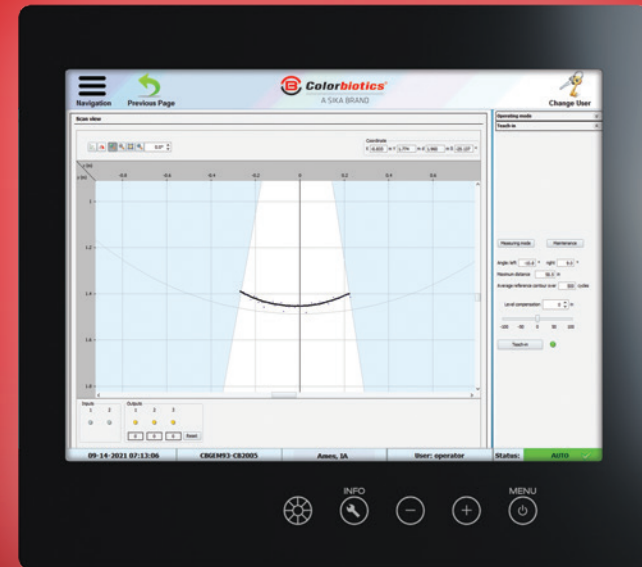
The GEM Studio II maintains constant communication with sensors throughout the Sahara X Series — including the Mobile XP — to capture ultrasonic measurements at five-second intervals. And thanks to our integrated database on the backend of the software, every last detail about every last drop can be stored forever or automatically translated into trendlines. When it comes to coloring mulch, accurate measurement of production volumes, water and colorant makes all the difference.



Accuracy meets versatility with the GEM Vision.

It's more than mulch. The new GEM Vision is a standalone volumetric measuring system designed to capture precise readings of any material discharged from a grinder, screener, or coloring system. That includes soil, animal bedding and rock. It utilizes the same laser technology as the GEM Studio II and can be added to any conveyor for the highest accuracy in the industry. All production data is accessible from anywhere, meaning an operator can stay in the loader.

Fit it to any conveyor. Use it for any aggregate. The GEM Vision serves you *right*.







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