

# **GEM** *System*



A SIKA BRAND

**Building Trust**

# The first human-machine interface ever engineered for the mulch yard.

Yes, the touchscreen puts operators one tap away from picture-perfect mulch. But, that's not the best part. The GEM System offers end-to-end production data and actively computes the information in real time. There's no room — or dollars — for waste, and no one understands that better than Colorbiotics. Our GEM LT precision volume measurement ensures consistent outputs while the GEM System redefines what it means to make color come to life — combining the best of both worlds into one total mulch management system.



# Remove the guesswork from mulch coloring.

GEM System 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 System 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 System can recalculate what's needed for each recipe — outsmarting the most minute fluctuations in output.



## Performance Metrics

GEM System 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 System 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 System and help with just about anything.



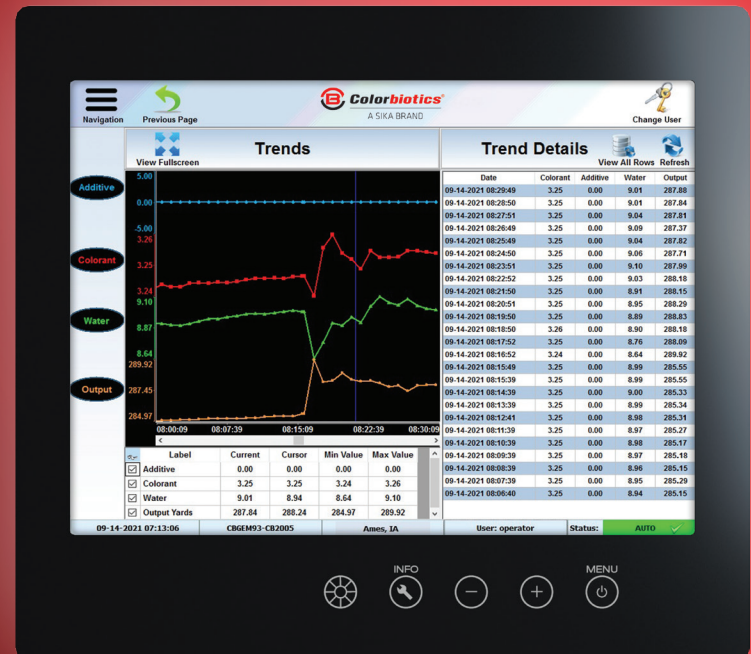
# As simple as push to start.

With GEM System's do-it-all interface, operators are one tap away from the perfect recipe — right there on the side of the machine, or via any device, anywhere.



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

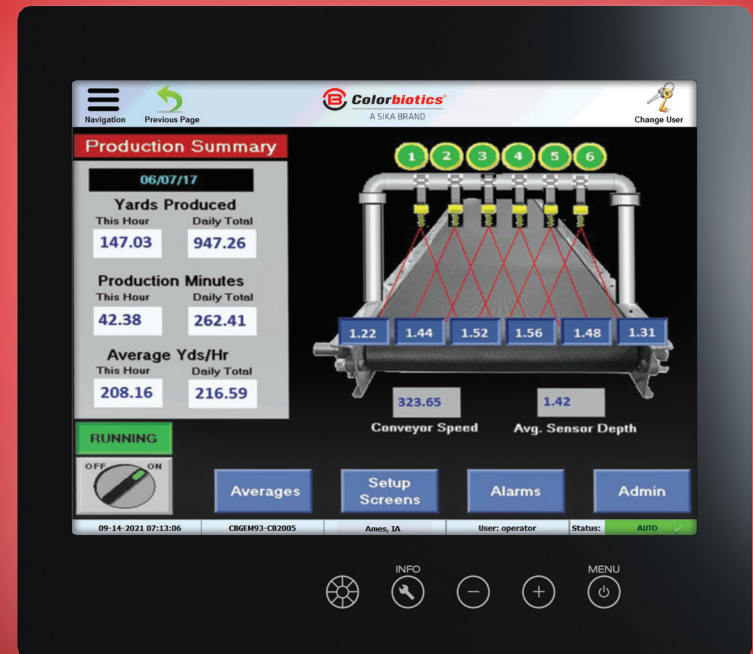
The GEM System maintains constant communication with sensors throughout the Sahara X Series — including the Mobile XP — to capture ultrasonic measurements at five-second intervals. And thanks to our integrated database on the backend of the software, every last detail about every last drop can be stored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





# Sensitive to mulch's every move.

Don't let the portability and size of the GEM LT fool you — it's here to measure mulch like never before, optimizing water and colorant output and ensuring you're operating at maximum efficiency. GEM LT uses a series of conveyor-mounted ultrasonic sensors to provide an accurate measurement of material discharging from any grinder, screener or coloring system. It excels at reading volume outputs on narrow or curved belts, as well as standard conveyor belts. As it reports back in real time, producers are able to see volumetric measurements and adjust as needed.







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