



Sahara® X Series



Building Trust

At Colorbiotics, we've always believed that our word is just as important as what we make. That products should be honest. That promises should be accurate down to the decimal.

After 40 years of walking that talk, we find ourselves at the forefront of science and service in not only this industry but any industry. So now it's our job to keep building — to believe that the best of anything can be even better.

That's why customers trust us for everything from the mulch colorant that made our name to the rubber on football fields and the machines behind the scenes.

Building Trust



You can't beat our systems.

First, we made the most popular colorant on the market. Then, we made the most popular coloring systems on the market. Why? We couldn't stand to see so many materials, and so much budget, wasted on bags of dull mulch.

The introduction of the Sahara® X Series solved the problem and then some.

Muscle meets efficiency in the design of these machines, reflecting years of innovation from our team and input from our customers. Inside, you'll find the most aggressive mixing chamber ever made to color mulch, surrounded by some of the smartest safety features in any industry.

We don't have to throw asterisks or disclaimers after any of those statements either. When you go to work with a Sahara, you're going to work with a system that's been built to make a whole lot of mulch and a whole lot of money for a long, long time.



THE SAHARA X SERIES

The Sahara X Series features two different models, so you can choose the footprint and output that's right for your operation.



X1

125 to 175 cubic yards per hour
10 to 15 gallons of water per yard

Height: **13 ft 5 in** Width: **7 ft 9 in**
Length: **20 ft 5 in** Infeed: **11 ft**

175 amps @ 460V 3PH



X3

200 to 300 cubic yards per hour
10 to 15 gallons of water per yard

Height: **13 ft 5 in** Width: **7 ft 9 in**
Length: **24 ft 10 in** Infeed: **11 ft**

200 amps @ 460V 3PH



Harnessing the power of Sahara.

Our engineers obsess over every single design decision, down to the last bolt, and there's nothing more important than keeping people protected.

That straightforward sense of purpose from the start of the design process is the reason we can so seamlessly integrate safety into the day-to-day use of our machines — and how we can pack so much power into what's widely considered the world's safest coloring system.



THE SAFETY SYSTEM

From tried-and-true safety features to software that the industry's never seen before, the Sahara X Series is engineered to protect operators and prevent accidents around the clock.

Even when the coloring system is stopped, this safety system is still at work.

Active Start-Up Monitoring

This remote e-stop box on the side of the hopper also sounds an alarm and flashes warning lights for everybody in the vicinity of the Sahara before the system actually starts up.

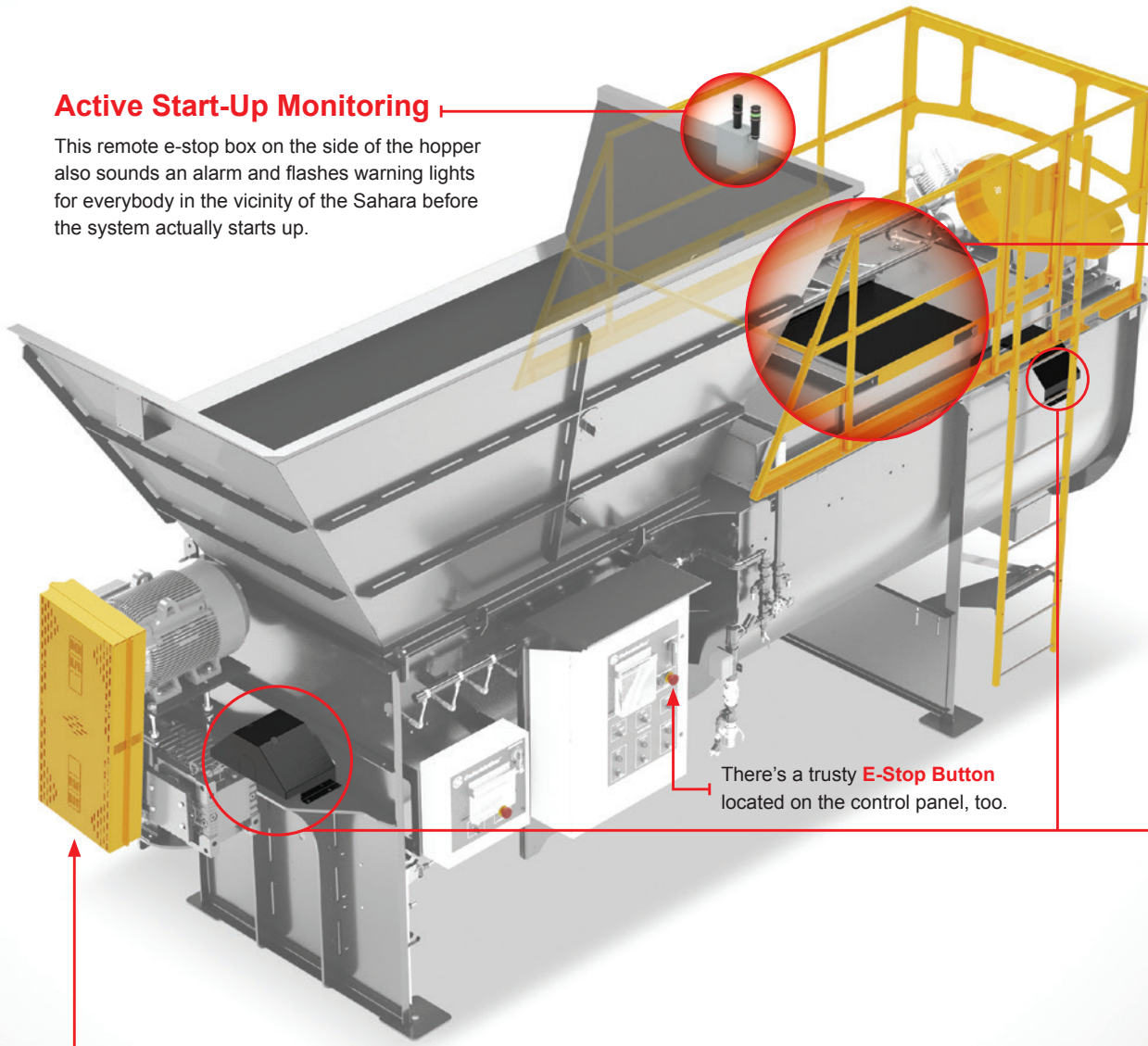
Magnetic Proximity Sensor

The door switch on the top hat of the Sahara automatically activates the emergency stop system if the door is opened when the blades are turning inside.

There's a trusty **E-Stop Button** located on the control panel, too.

Shielded Shaft and Bearings go beyond OSHA compliance to prevent operators from accidentally losing tools or anything else in there.

Custom-Fit Mixer Drive Guarding features slits for air movement that are far too small for fingers to fit through.



The product is the whole point.

Trust us, we know that technology doesn't matter if it doesn't make you money.

From the moment you hit the start button on the Sahara X Series, the machine's designed-in technologies truly come together to take the best colorant and make even more out

of every ounce. So you can cut water by 50% on batch after batch of brilliant, resilient mulch.

And yes, this is still the only line of coloring systems built to kick out product dry enough to bag as soon as you need to ship it.



THE MIXING CHAMBER

Let's take a look at the anatomy of the most aggressive mixing chamber ever made for the mulch business — and see what happens to each batch of mulch inside the Sahara X Series.

Retention Time

With our dual-chamber design, each batch of mulch enters the machine at the same exact location and spends the same amount of time in the mixing chamber.

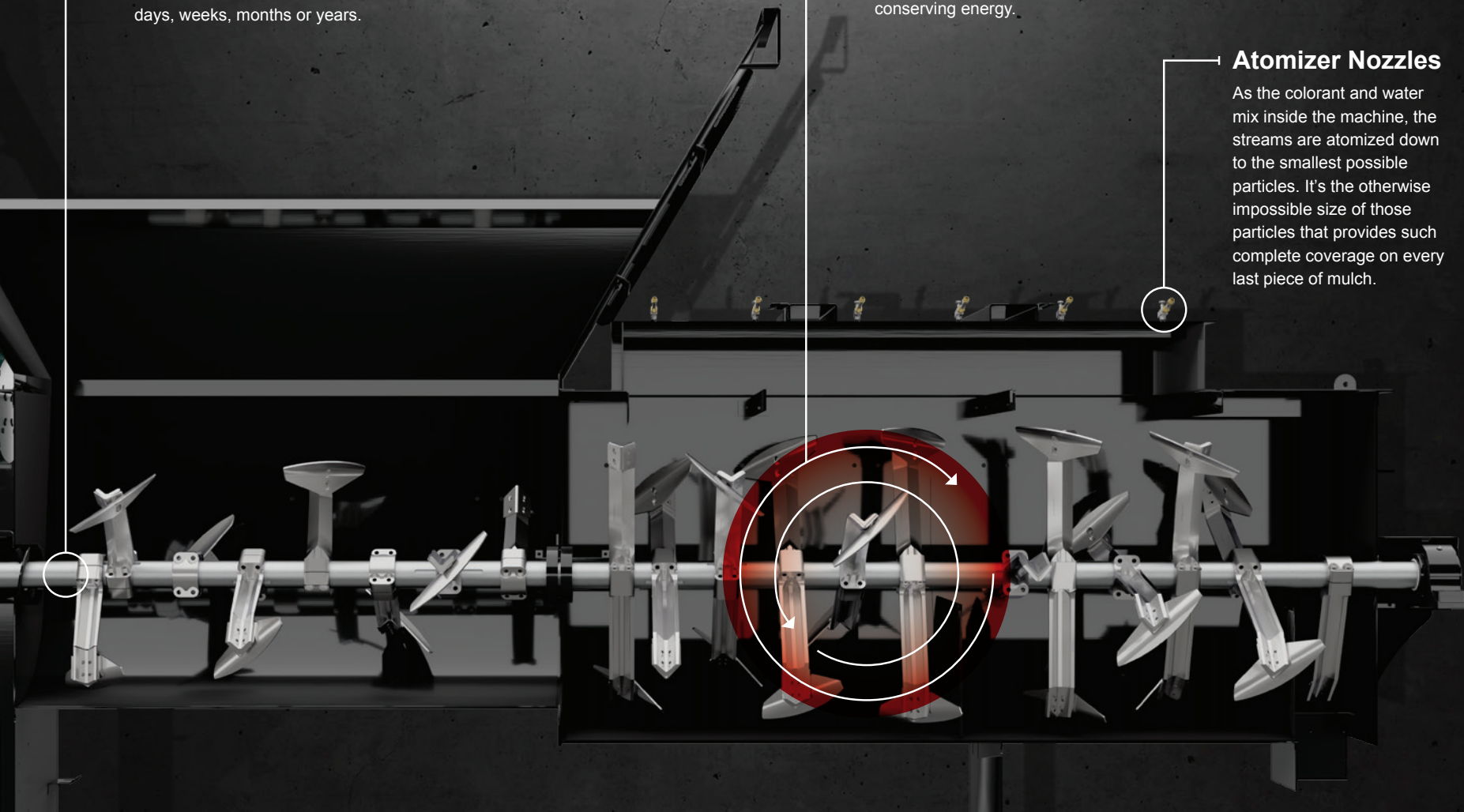
That's why your piles of product will all be the same exact color across hours, days, weeks, months or years.

Bilateral Agitation

This patented "push and pull" process is how we pack so much muscle into such an efficient machine. Basically, with blades placed at mathematically precise angles, the mixing chamber increases retention time while also conserving energy.

Atomizer Nozzles

As the colorant and water mix inside the machine, the streams are atomized down to the smallest possible particles. It's the otherwise impossible size of those particles that provides such complete coverage on every last piece of mulch.



Watch the profit pile up.

No, this isn't some generic conveyor that's been flipped for the mulch business.

Our radial stacking conveyors are built to fit perfectly under the Sahara X Series. That means mulch flows straight from the machine onto the belt without hiccups or spillage. Then, at the flip of a switch, you can swing the conveyor a full 180 degrees to place the next pile right where you want it.

Each conveyor is constructed with a heavy-duty channel frame and chevron-cleated belt that can handle the weight of all that mulch. And thanks to the self-lubricant system, the bearings are automatically lubricated and only require replacement twice per year.



Radial Stacking Conveyor

Length: 50 ft or 60 ft

Width: 36 in

Dump Height: 20 ft or 25 ft

Electric Motor: 10 hp or 15 hp



Colorblotics

Get GEM on the job.

The Global Equipment Management System, or simply GEM, is a leap in production that pays for itself.

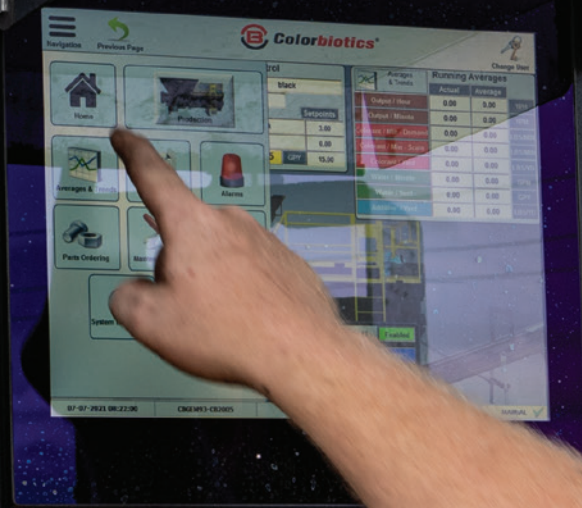
With GEM on the job, mulch coloring becomes an exact science. That's because this is a smart volumetric system that captures ultrasonic measurements at five-second intervals to give you complete, convenient control over your operation — from inventory to invoicing.

GEM does all the thinking, all the time, at a level of accuracy beyond human capability. So you can take a vacation and still see inside your Sahara.



Colorbotics

PRIMARY POWER DISCONNECT
DESCONECTAR ENERGIA PRIMARIA



G.E.M. SYSTEM

OFF AUTO

PARADA DE EMERGENCIA

THE GEM SYSTEM

The pursuit of the perfect recipe is as old as the industry itself. Now, your operator can tap a touchscreen to kick out pile after pile of picture-perfect mulch.

No more color gradation throughout the season, and especially not between batches.



Recipe Programs

Recipes are easy to create and save in the system, so changing colors becomes as simple as a tap on the touchscreen. Then, GEM takes over to further perfect each recipe.



Adaptive Material Control

GEM never stops measuring the flow of material through the Sahara. With those measurements coming in every five seconds, the system can recalculate what's needed for each recipe — to outsmart the most minute fluctuations in output.



Precision Production

GEM is in constant communication with sensors throughout the Sahara to adjust colorant requirements, control output to individual nozzles and correct for any inconsistencies between batches.



Input Assist

GEM learns on the job to help operators at every step. Batch after batch, the system automatically detects opportunities to maximize efficiencies and minimize costly mistakes.



Real-Time Data

You can schedule custom reports and receive automated alerts. Or you can pull out your phone to access real-time data, such as colorant and water usage per minute or per yard.



Intuitive Interface

The user-centered design of the touchscreen feels so natural to navigate that even the new guy will be working like an old pro with a little help from GEM.

Integrity is never indulgent.

Colorbiotics® colorant and coloring systems work together to give you every conceivable advantage. You can take your pick from the world's largest color palette and make the most of your materials with GEM.

But that's only the half of it.

The Sahara X Series is built to outlast the equipment around it. The blades inside the mixing chamber offer an average life expectancy three times longer than standard blades. Likewise, our liners are made from AR400 steel and last three to four times longer than the typical trough.

It all adds up to a machine that doesn't need much maintenance, but as soon as you give us a call, we'll be there to work with your team on your jobsite.

Each of the trucks in our regional fleet comes equipped with a 7,200-pound crane, welders for either stick or wire feeds, and a plasma cutter to take care of any other task. Just in case.

When you trust us, it's on us. We stand behind our science. We stand behind our service. We stand behind the way we do business. Because our word is just as good as what we make.





A SIKA BRAND

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