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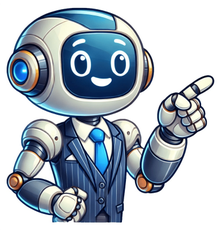

Saith Group Is the GPM machine a free energy device? The GPM machine is similar to a solar panel on top of a normal house. You need to pay to install the GPM machine/equipment, but after this, the energy is free just like the “free energy” from the sun with a regular solar panel.However, the cost of the GPM machine is less than half the cost of a solar panel system, and the GPM machine works 24/7. A solar panel will work only 8 hours per day when the sun is available.The GPM machine does not need energy storage, batteries, etc. This will drastically lower the overall costs. Is this a perpetual motion machine? The GPM machine is not a perpetual motion machine. The device uses ambient sonic background energy from space. This is always available 24/7 from all astronomical bodies, such as the sun, Earth, and Moon. This type of energy has previously been discussed by other inventors – normally referred to as longitudinal waves, scalar waves, Tesla waves, etc. However, the GPM machine does not require any refueling and consumables while running. It may need to replace a starting battery every 7-10 years or so. Is the technology scientifically validated? In 2018, Foster Gamble, creator of the great documentary Thrive, heard about Maxwell’s achievements. Together with their filming crew, electrical engineer and scientist Nils Rognerud, they traveled to Zimbabwe to technically examine and document the functionality of the 500kw GPM generator. The team spent two weeks in Zimbabwe and after several days of testing the Green Power Machine, the technology was scientifically validated. This technology validation was documented in the Thrive II documentary in 2020. It is the sequel to the successful 2011 documentary Thrive. How does the technology work? The GPM draws energies from the sonic pressure waves in the ether of space. This background energy is always present from astronomical bodies such as the Sun, Earth, and Moon.The MSED uses a proprietary method to extract and convert the ambient background energy through special metals and radiofrequency electrical stimulation. The device does not consume any materials and does not need to be recharged. This energy will always automatically be replenished – similar to electric lightning in our skies of Mother Earth. The invention is safe from radiation. Is the GPM machine patented? No, the machine is not patented at this stage. Saith Technolgies has decided to go the trade secret route instead of patents. Why haven’t we heard about such technological breakthroughs until now? It common knowledge that few succesful breakthroughs that have tried to bring alternative energy devices to the world but were suppressed or stopped in some way by the existing power structures. Nicola Tesla, Floyd Sweet, Henry Moray, Stanley Meyer, and Hendershot are but a few inventors that come to mind. Free energy is possible, but the Saith Generator is not free! The GPM machine installation is about half the cost of installing a solar energy system. The cost for the GPM machine device is cheaper than solarHowever, the machine lithium-ion starting batteries need to be replaced every 7-10 years – due to the normal life-span of such batteries.Max’s device does not break any Laws of Physics since the energy comes from the converted electron gas clouds of meta-material alloys, via Quantum Tunneling effects. Also, no material is being consumed in the energy conversion process which also seems to show this is not a Low Energy Nuclear Reaction (LENR) device. Where does the free come from? The GPM (Greener Power Machine) draws energies from the sonic pressure waves in the ether of space. This background energy is always present from astronomical bodies such as the Sun, Earth, and Moon.This energy is available 24/7 from astronomical bodies. This type of energy has previously been discussed by other inventors – normally referred to as longitudinal waves, scalar waves, Tesla waves, etc. The MSED (Micro Sonic Energy Device) uses a new proprietary method to extract and convert the ambient background energy through special metals and electrical radio frequency stimulation. This energy will always be replenished – similar to how electric lightning in our skies of Mother Earth is always replenished. The device does not consume any materials and does not need to be recharged. The invention is inert and safe. It poses no radiation hazards. It is similar to a TV or a normal radio receiver. How long until the GPM machine depleted or stops working? The GPM machine has no moving parts except the fans that cools the transformers.It should be able run for as long as the electronic components i.e. about 25 years and about 7-10 years for a starting battery. This is similar to a radio or TV electronics product.A lithium-ion starting battery may need to be replaced every 7-10 years. This the similar to a battery in car, with a lifespam of about 5-7 years. Any electronics components that breaks can be replaced, just like repairing a TV or computer.Please keep the GPM machine away from rain and moisture so the metal transformers do not rust and stop working, or overheat. How long does it take to install the GPM machine? What are the weight and dimensions? 10kW 600 x 450 x 800(mm), Weight 250Kg20kW 600 x 450 x 1150(mm), weight 350kg50kW 600 x 450 x 1150(mm), Weight 800kg100kW 600 x 450 x 1150(mm), Weight 240kg500kW to 1MW 4m x 2m x 2.2m height, Weight 17tons1MW to 1MW 4m x 2m x 2.2m height, Weight 17tons1.5MW to 1mW 4m x 2m x 2.2m height, Weight 17tons Cleaners Talk is reader-supported. This post contains affiliate links, we may earn a commission at no additional costs to you. As an Amazon Associate we earn from qualifying purchases. The Bissell Little Green is a popular portable carpet cleaning machine. If you are considering buying it, you may want to learn about the Bissell Little Green and check whether the machine is for you or not. You can use the quick navigation tab below to go to a specific answer instantly.The Bissell Little Green works like a mini wet vacuum cleaner, except it actually sprays liquid and sucks it back up. To spray the liquid, you use the nozzle attachment at the end of the hose. When the trigger is pressed, it sprays a cleaning solution. Then, you run the nozzle over the wet area you sprayed, and it suctions out the dirty liquid and deposits it into the dirty tank.2. What can you clean with Bissell Little Green?You can use the Bissell Little Green to remove tough spots and stains from area rugs and carpets, couches, upholstered chairs, mattresses, stairs, even car seats and interiors.3. Can you use Bissell Little Green on a couch and upholstered chair?You can use the Bissell Little Green on a couch and upholstered chair.Before starting the sofa cleaning or upholstered chair cleaning, make sure to check the manufacturer’s tag for specific cleaning instructions. On upholstery, you’ll probably see a manufacturer's cleanability code tag.If the fabric is coded "WS" or "W", it is safe to clean. If your upholstery tag is coded "X" or "S", it is not safe to clean, due to the type of fabric on the couch or chair. Once you know that the upholstered chair is okay to be cleaned, test a small hidden area of your fabric couch or chair for colorfastness.To clean a couch or upholstered chair, assess any glaring stains and pre-treat them using the Bissell Heavy Traffic Pretreat and Spot Cleaner. It loosens and removes tough stains and embedded dirt from a fabric sofa. After pre-treating the stains, grab the Bissell Little Green and fill the machine with the Advanced Clean and Protect formula. Attach the hose and accessory tool, then spray the formula onto the upholstery using a slow and steady back and forth motion. Then, go back over the same area and suck up the stains and dirt. Do this over the whole sofa and chairs to clean them.4. Can you use Bissell Little Green on a mattress?Despite its name (the Bissell Little Green carpet cleaner), you can use the machine on a mattress. Bedtime urine accidents are simple to clean with the Bissell Little Green carpet cleaner.To remove a stain from a mattress, attach the tough stain tool to the Bissell Little Green’s handheld cleaning hose. Press the spray trigger to mist the cleaning solution over and onto the soiled area. Release the spray trigger and gently scrub the stain. Do not over saturate the mattress to prevent mold spores.To lift the stain away, apply downward pressure on the tool and slowly pull it toward you. Then use “drying strokes” (by not pressing down trigger) to remove remaining moisture. Repeat as needed. Make sure that you clean and dry one side of the mattress before cleaning the other side.5. Can you use Bissell Little Green on car seats?Dirt and sand is common in most car seats and interiors. Luckily, you can use Bissell Little Green on car seats. If a car’s interior is not cleaned often, dirt and sand can accumulate and become difficult to remove.To remove stains from car seats, first pick up any large objects such as stones and/or coins. Then, vacuum the interior of your car. Next, use your Bissell Little Green to extract any dirt and grime grounded into the car seat. Pretreat the stain, wait 5 minutes, then use the tough stain tool to pick up the dirt.6. Can you use Bissell Little Green on a leather couch?It is not recommended to use Bissell Little Green on a leather couch. The carpet cleaner is made specifically for carpet and upholstery. Since the machine uses a cleaning formula and hot water, it could damage the leather. It’s best to use a leather cleaner and conditioner instead of a carpet cleaning machine. 7. What can you put in a Bissell Little Green?You can only put water and Bissell cleaning formula intended for carpet cleaning only (Bissell Professional Spot and Stain and Bissell Professional Pet Spot and Stain). Always use genuine Bissell cleaning formulas.Use of cleaning formulas which contain lemon or pine oil may damage Bissell Little Green and void the warranty. Chemical spot cleaners or solvent-based soil removers also should not be used. These products may react with the plastic materials used in your cleaner, causing cracking or pitting.8. How much solution/formula to put in Bissell Little Green?Measure 4 ounces (2 capfuls) of Bissell formula and pour it into the Bissell Little Green’s tank. Fill the clean water/solution tank with hot (not boiling) tap water to the WATER fill line.Bissell Little Green has a clean water/solution tank capacity of 52 ounces.9. Is the Bissell Little Green a steam cleaner?The Bissell Little Green is not a steam cleaner but a portable upholstery and carpet cleaning machine. It works by spraying a cleaning solution onto a stain and then picks up the dirty stain along with the water.Ready to buy a Bissell Little Green? And there you go, the Bissell Little Green most frequently asked questions. The Bissell Little Green is definitely worth it because it is compact and very easy to use. It removes stains from carpets very well and plenty of owners do not regret buying the portable carpet cleaning machine.Related articles: Discover step-by-step instructions on assembling, using, and caring for your Little Green Machine. Keep your surfaces clean and fresh with these expert tips.Setting up the Little Green MachineAssembling the MachineWhen it comes to setting up your Little Green Machine, the first step is to assemble all the necessary parts. Lay out all the components in front of you and make sure everything is accounted for. The machine typically comes with the main unit, the cleaning solution tank, the water tank, and various attachments for different surfaces. Refer to the instruction manual if needed to ensure proper assembly.Once you have all the parts laid out, begin by attaching the cleaning solution tank to the main unit. This tank is where you will pour in the cleaning solution that will help lift dirt and stains from your surfaces. Make sure it is securely attached to the machine to prevent any leaks during use.Next, fill the water tank with clean water. The water tank is usually located on the back of the machine and can be easily removed for refilling. Fill it up to the designated line, making sure not to overfill to avoid spills. The water tank is essential for providing the necessary moisture for the cleaning process.Adding Cleaning SolutionOnce the cleaning solution tank is attached and the water tank is filled, it’s time to add the cleaning solution. The cleaning solution is what will help break down dirt and stains on your surfaces, leaving them clean and refreshed. Choose a cleaning solution that is compatible with your Little Green Machine and follow the manufacturer’s instructions for dilution.To add the cleaning solution, remove the cap from the cleaning solution tank and carefully pour in the recommended amount. Be sure not to overfill the tank, as this can lead to excess foaming during use. Once the cleaning solution is added, securely replace the cap to prevent any spills or leaks.Filling the Water TankWith the cleaning solution added, the final step in setting up your Little Green Machine is to ensure the water tank is filled with clean water. The water tank is what will mix with the cleaning solution to create the cleaning solution that will be applied to your surfaces. Make sure the water tank is securely attached to the machine before proceeding.To fill the water tank, remove it from the machine and fill it up to the designated line with clean, lukewarm water. Avoid using hot water, as this can damage the machine’s internal components. Once the water tank is filled, securely reattach it to the machine and you are now ready to start using your Little Green Machine to clean a variety of surfaces.Using the Little Green MachineOperating the MachineSo, you’ve got your hands on the Little Green Machine – now what? Operating this handy cleaning tool is a breeze, but there are a few key steps to remember to ensure optimal performance. First, make sure the machine is plugged in and turned on. Next, fill the water tank with the recommended amount of cleaning solution and water. Once the tank is filled, you’re ready to start cleaning!To operate the Little Green Machine, simply press the power button and slowly move the machine back and forth over the surface you want to clean. The powerful suction will extract dirt and stains, leaving your carpets or upholstery looking fresh and rejuvenated. Remember to move the machine in a steady, even motion to ensure thorough cleaning.Cleaning Different SurfacesOne of the great things about the Little Green Machine is its versatility when it comes to cleaning different surfaces. Whether you’re tackling tough carpet stains, refreshing upholstery, or even cleaning car interiors, this machine can handle it all. The key is to adjust the cleaning settings based on the surface you’re cleaning. For carpets, use a slow, steady motion to ensure deep cleaning. For upholstery, be gentle and pay attention to delicate fabrics.The Little Green Machine comes with various attachments to make cleaning different surfaces even easier. The brush attachment is perfect for scrubbing tough stains, while the crevice tool allows you to clean tight spaces with ease. Experiment with the different attachments to find what works best for each surface you’re cleaning.Emptying the Dirty Water TankAfter a successful cleaning session with the Little Green Machine, it’s important to empty the dirty water tank to ensure optimal performance for the next use. To do this, simply remove the tank from the machine and pour out the dirty water. Make sure to rinse the tank thoroughly to remove any leftover residue.Cleaning the dirty water tank regularly is essential for maintaining the machine’s efficiency and preventing unpleasant odors. Make it a habit to empty and clean the tank after each use to keep your Little Green Machine in top condition.Maintenance and Care TipsCleaning the Machine After UseAfter each use of your Little Green Machine, it is essential to properly clean and maintain it to ensure optimal performance and longevity. Failure to clean the machine after each use can lead to clogs, buildup, and overall reduced effectiveness. Here are some simple steps to follow when cleaning your machine:First, unplug the machine and make sure it has completely cooled down before starting the cleaning process.Empty the dirty water tank and rinse it thoroughly with warm water to remove any leftover cleaning solution or debris.Remove the nozzle and brush attachments and rinse them with warm water to remove any dirt or residue.Check the suction nozzle for any clogs or blockages and remove them if necessary.Fill the clean water tank with warm water and a small amount of cleaning solution recommended for your machine.Run the machine on a clean surface to flush out any remaining dirt or cleaning solution from the system.Wipe down the exterior of the machine with a damp cloth to remove any dust or debris.Properly cleaning your Little Green Machine after each use will not only ensure its effectiveness but also prolong its lifespan, saving you money in the long run.Storing the Machine ProperlyProper storage of your Little Green Machine is crucial to maintaining its performance and preventing damage. Here are some tips for storing your machine properly:Make sure the machine is completely dry before storing it to prevent mold or mildew growth.Store the machine in a cool, dry place away from direct sunlight to prevent damage to the plastic components.Remove the clean water tank and empty the dirty water tank before storing the machine to prevent any water buildup.Store the machine in an upright position to prevent any leaks or spills.Cover the machine with a cloth or plastic cover to protect it from dust and debris.By following these simple storage tips, you can ensure that your Little Green Machine remains in top condition and ready for use whenever you need it.Troubleshooting Common IssuesDespite proper and care, you may encounter some common issues with your Little Green Machine. Here are some troubleshooting tips to help you address these issues:If the machine is not spraying water, check the water tank and make sure it is properly filled and inserted.If the machine is not picking up dirt, check the suction nozzle and brush attachments for any clogs or blockages.If the machine is leaking water, check the connections and seals to ensure they are tight and secure.If the machine is making unusual noises, check for any loose or damaged components and tighten or replace them as needed.By following these troubleshooting tips, you can quickly address any issues with your Little Green Machine and get back to enjoying its powerful cleaning capabilities. This site contains affiliate links to products. We may receive commission for purchases made through these links. Price at time of publish date may change. Keeping your home organized is hard enough, but staying on top of deep cleaning fabric-based items like couches, carpets, and more? Forget about it. It’s a pain to pay a pro to do it, not to mention expensive. But if you want those high-ticket items to stay beautiful for years to come, it’s also a must. That’s where Bissell’s Little Green cleaner comes in. I’ve heard about this machine for years now but never got around to trying it. However, I moved recently, and I promised myself that I would invest in keeping things very clean from the get-go. That included my couch and new area rugs, because as someone with pets (and a small apartment where my couch is also my dining table), I know how dirty some of my furniture and decor can get… And all the pet hair removers in the world can’t save it. So, I decided to go for it and get the Little Green to see if it lived up to the hype. Short answer: Yes. But keep reading for my official Bissell Little Green review. Gets out tons of dirt and debris Easy to use Under $120 and goes on sale often Good for pets Requires drying time Formula bottles are 32 ounces, so could need to repurchase often depending on usage Machine needs a decent amount of storage space I’ve had the Bissell Little Green for about a year now and can confidently say that my review remains the same. In fact, now that I’ve used it more times, I find it an even faster process because I know what I’m doing and how to work the machine. I do have one bone to pick: I’m dealing with a lot of pet hair. And while it’s well worth it for my four-legged BFFs, that means the Little Green is picking up a generous amount, even when I’ve pre-vacuumed. Because of that, the suction brush tool has gotten a little backed up with hair. I do my best to clean it out after each use, but I can never get it quite perfect. I’m nitpicking at this point, but wanted to mention for my fellow animal lovers. That being said, I’m still getting a horrifying amount of dirt out of my surfaces every time I plug in the Bissell Little Green machine. The quality level remains the same and I actually haven’t had to purchase the formula more than once because it goes such a long way. When I originally started, I may have been using too much, but still maintain that it comes down to how frequently you use it. In closing: If you’re on the fence, get it! The Bissell Little Green machine is a tough cookie. The Bissell Little Green instructions are pretty simple. First, pick a formula. There are a few to choose from: I’ve tried the pet formula and the Spot & Stain with Febreze, both with the same results, as far as I could tell. Then, you mix the formula with warm water and attach one of its tools (for me, it’s usually the standard suction brush it comes with). After that, you turn it on, use the spray trigger to apply the formula, and use the brush to suction everything up. When you’re finished, all the gross gunk will be in its own tank, which you can empty out. One quick note is that you’ll want to build in a few hours for whatever you’re cleaning to dry, as it will get wet from the formula. Bissell states that the Little Green can work on carpet, stairs, upholstery, rugs, auto interiors, and more. But, as with anything that requires a wet formula, you should always check your items’ cleaning instructions first. And be sure to test the Little Green out on a small section of the furnishing to ensure it dries correctly before you tackle the entire thing. For reference, I’ve used the Little Green on my navy velvet couch and my white and pink Ruggable rug (which is made from polyester with a polyurethane water-resistant barrier). I haven’t had issues with either, however the rug needed a second pass to get out some lingering dirt that was brought to the surface after I used the Little Green on it the first time. Gross, I know! Make packing for your 2025 vacations a total breeze. TRAVEL SMART While it does suck up some debris as it goes, I always use a regular vacuum or hand vacuum first to get rid of the pet hair and other unmentionables that are hiding in plain sight. (Here’s a list of our editors’ favorite vacuums, by the way.) The Little Green is more about a deep clean versus your normal maintenance and I found it works better if there’s less going on between its suction brush and the actual item. For me, absolutely. I’ve used it multiple times now, and each time I have emptied out extremely dirty water, proving that, yes, I needed that deep clean. You just can’t fake those results! My couch and rugs also looked better and smelled amazing afterwards, as well. While it does take an investment in time—you do have to wait for the material to dry and diligently vacuum beforehand—I think it’s a tool well worth having in my arsenal. It’s a great way to maintain your high-priced items and ensure they last (and don’t look dingy) for years to come. Need more opinions outside of just me? Don’t worry, I get it. Here are some top reviews from other folks on the internet: “Would give this 10 stars if I could…I’m still giddy about how well this machine worked.” (Read the full review here.) “I was hesitant to buy the Bissell Little Green. I’d read reviews mentioning the small tank capacity, and I figured it wouldn’t be powerful enough for serious messes. I was wrong! This little machine is a stain-fighting BEAST.” (Read the full review here.) “I have three cats and a dog. So, I need an easy way to cleanup the carpets and/or furniture. This works perfectly and is easy to use.” (Read the full review here.) “I’m actually shocked at how good this cleans! I bought it for my daughter as a Christmas present and she loves it! She cleans up her dogs messes and her car seats.” (Read the full review here.) More of Our Best Vacuums Content Tips, tricks & ideas for a better home and yard, delivered to your inbox daily. New owners of Bissell’s Little Green carpet cleaning appliance might be a little apprehensive to get started—at least that was my case, as I had never used a portable carpet cleaner before. Luckily, getting to grips with how to use your Bissell Little Green machine is simple and straightforward. Even cleaning novices like me will be able to easily remove carpet and upholstery stains with it in no time. Despite its small size and low price point, the Bissell Little Green is a quality carpet cleaner, and it works as advertised. I admittedly had my doubts at first, having only ever used bulky full-sized carpet cleaners before, but I now break out my Bissel green machine for the smallest of rug stains and couch spills because it consistently keeps my fabrics looking good as new (or at least slightly used). Follow along below for a crash course in how to use a Bissell Little Green. Bobvila.com may earn a commission from purchases made through these links. Working Time: 15 minutes to 1 hour Total Time: 4 to 6 hours Skill Level: Beginner Estimated Cost: $15 to $125 Photo: bissell.com First, note that the below steps on how to use the Little Green machine specifically apply to the standard Bissell Little Green portable carpet cleaner, so modify your cleaning process accordingly when using a Bissell Little Green Pro, ProHeat, or other models and refer to the instruction manual for anything not detailed here. The latter tip goes for standard model owners too—hang onto your Bissell Little Green instruction manual and when in doubt, defer to the manufacturer’s provided steps and info. Secondly, if you’re on the fence about buying a Bissell Little Green or already own one but have high aspirations of using it to clean every square inch of your carpet and oversized area rugs, it’s important to know that this appliance is best used for spot cleaning and stain removal. As someone who has used theirs to fully clean a 5-foot by 7-foot area rug on a few occasions, using a portable carpet cleaner like a full-size model is doable (depending on your level of ability) but not worth the lower back pain in most cases. RELATED: The 9 Best Upholstery Cleaners, Tested and Reviewed Photo: Phillip Tinner for Bob Vila Start by pulling up on the clean water tank on the left side of the Bissell Little Green, which should pop right off. Flip it over so that the black cap on the tank’s bottom is facing up, and unscrew it. Over a sink or counter, begin pouring your preferred carpet cleaning solution up to the line labeled “formula.” Bissell recommends using its own products, but you can use virtually any formula meant for standard carpet cleaners. I personally use an affordable Rug Doctor pet formula, but you can also make your own carpet cleaner if you prefer. Fill the tank the rest of the way to the “fill” line using warm tap water, taking care to not overfill it. Warm water works best (Bissell’s specifications call for water heated to 140 degrees Fahrenheit), cold or cool water will still get the job done, but water that is too hot or boiling will damage the tank and other plastic parts inside of a Little Green. Screw the cap back on snugly, turn the water tank right-side up, and slide it back into place on the machine. For the best cleaning results, vacuum the spot(s) you intend to clean with the Little Green before beginning in order to keep excess dirt, hair, and other solid matter out of the appliance’s inner workings. In the case of particularly bad or set-in stains, use your preferred pretreatment formula and allow it to sit for the necessary amount of time. Uncoil the power cord from the back of the Bissell Little Green and plug it into a wall outlet. Rotate the small lever holding the hose in place to free it, and slide on the included 3- or 4-inch cleaning attachment (the one with the red brush) until it clicks into place. Finally, press the power switch on the front of the machine to turn it on. Photo: Phillip Tinner for Bob Vila Position the cleaning attachment about an inch above the stained area and pull the trigger at the end of the hose to spray water and carpet shampoo onto it. Start gently scrubbing the spot with the red-bristled brush, working the formula all the way into the fabric. Keep working at the stain(s) with the same light pressure until it diminishes in appearance or disappears entirely. Photo: Phillip Tinner for Bob Vila Slightly lean the cleaning attachment forward so that the clear plastic opening above the brush makes full contact with the fabric. Doing so should begin visibly sucking the dispensed water and cleaning solution back into the hose. Continue to work the attachment back and forth in a scrubbing motion until the area is as dry and stain-free as possible. Repeat steps 3 and 4 for any stained spots that remain, and when you’re satisfied, press the power switch again to turn off the Little Green. You’ll have likely noticed by this point that, unlike a full-size carpet cleaner, the dirty water tank on the right side of the machine still has little to no water in it. That’s because the Little Green uses a separate attachment to filter out dirty water after cleaning. Depress the small green button on the back of the cleaning attachment in order to remove it, and watch out for dripping as it will still contain some soapy water. Place it somewhere you don’t mind getting wet, such as inside a sink basin or on a counter. Snap the HydroRinse tool, which resembles a clear capped vacuum attachment, onto the hose in its place and turn the Little Green back on. Holding the hose in an upright and elevated position, press and hold the trigger for at least 30 seconds to begin filtering water back through the hose and into the dirty water tank, which will begin to fill. When you’re confident that all of the water has been filtered through, let go of the trigger, turn the machine back off, and unplug it. Photo: Phillip Tinner for Bob Vila Lift the plastic tab holding the dirty water tank in place and remove the tank from the machine—and don’t worry about spilling any gross water, as the tank’s opening is on top so it won’t pour out until tipped fully over. Pour it out into a toilet bowl, sink, or bathtub. Under a faucet, rinse out the dirty water tank to catch any remaining soap, dirt, and grime and pour that out as well. Then, flush the dirty water or rinse it down the drain, and do the same with any remaining cleaning solution in the main water tank. Rinse out both ends of the cleaning attachment and leave it out to dry before storing it with the Little Green, which should have its hose and power cord wrapped back up in their places on the machine and HydroRinse tool still attached. Before walking on your now clean rug or sitting on a stain-free seat, allow the wet spot(s) to completely dry after cleaning. For light jobs, this could take an hour or two, but more heavily cleaned areas could take anywhere from four to six hours to fully dry. RELATED: The Best Carpet Cleaners for Pets to Eliminate Odors and Stains, Tested Now that you know just about everything there is to know about how to use your Bissell Little Green machine, you can clean up big spills and caked-on stains with confidence. So long as you remember to use the self-cleaning attachment at the end of each cleaning session and to avoid using too-hot or boiling water in the water tank, you’ll likely find your Little Green becoming your go-to spot cleaner for a long while to come—I certainly have! Whether you’re selling or staying, everyone can get something out of a kitchen update. Learn why we consider this renovation the Most Valuable Project of 2025 and how to stay on budget. Introduction Green Machine Fertilizer is a revolutionary product that is changing the way we think about fertilizing our plants. With its unique blend of organic materials, this fertilizer is not only effective at providing essential nutrients to plants but also environmentally friendly. In this guide, we will take a comprehensive look at how Green Machine Fertilizer works and how you can use it to promote healthy, robust plant growth. What is Green Machine Fertilizer? Green Machine Fertilizer is an organic, all-natural fertilizer that is designed to provide plants with the nutrients they need to thrive. Unlike traditional chemical fertilizers, Green Machine Fertilizer is made from a blend of organic materials such as compost, composted manure, and various plant-based ingredients. This makes it safe for the environment and beneficial for plant health. How Does Green Machine Fertilizer Work? Green Machine Fertilizer works by providing plants with a balanced blend of essential nutrients that are necessary for healthy growth. These nutrients include nitrogen, phosphorus, potassium, and various micronutrients that plants need to flourish. When applied to the soil, Green Machine Fertilizer slowly releases these nutrients over time, providing a steady supply to plants as they grow. The organic materials in Green Machine Fertilizer also help improve soil structure and promote beneficial microbial activity in the soil. This creates a healthy environment for plants to grow, with better water retention and improved nutrient uptake. As a result, plants that are fed with Green Machine Fertilizer tend to be healthier, more resilient to stress, and better able to withstand pests and diseases. Advantages of Using Green Machine Fertilizer There are several advantages to using Green Machine Fertilizer over traditional chemical fertilizers. Some of the key benefits include: 1. Environmentally friendly – Green Machine Fertilizer is made from all-natural, organic materials that are safe for the environment. It does not contain any harmful chemicals or synthetic additives that can leach into the soil and water supply. 2. Improved plant health – The balanced blend of nutrients in Green Machine Fertilizer helps promote healthier plant growth, with stronger roots, more vibrant foliage, and increased flower and fruit production. 3. Better soil quality – The organic materials in Green Machine Fertilizer help improve soil structure, increase water retention, and promote a healthy microbial balance in the soil. This creates a thriving environment for plants to grow. 4. Long-lasting effects – Green Machine Fertilizer releases nutrients slowly over time, providing plants with a steady supply of essential nutrients as they grow. This results in longer-lasting benefits compared to quick-release chemical fertilizers. How to Use Green Machine Fertilizer Using Green Machine Fertilizer is easy and straightforward. Here are some simple steps to follow: 1. Prepare the soil – Before applying Green Machine Fertilizer, make sure the soil is well-drained and free of weeds. Loosen the soil with a rake or hoe to ensure good contact with the fertilizer. 2. Apply the fertilizer – Spread Green Machine Fertilizer evenly over the soil surface, following the recommended application rates on the packaging. For established plants, work the fertilizer into the soil gently with a rake or hoe. 3. Water the plants – After applying Green Machine Fertilizer, water the plants thoroughly to help the nutrients dissolve and reach the plant roots. Make sure to water deeply to encourage root growth. 4. Repeat as needed – Depending on the type of plants you are growing and their nutrient requirements, you may need to reapply Green Machine Fertilizer every 4-6 weeks during the growing season. Follow the instructions on the packaging for best results. FAQs Q: Is Green Machine Fertilizer safe for use on all types of plants? A: Yes, Green Machine Fertilizer is safe for use on a wide variety of plants, including flowers, vegetables, fruits, trees, and shrubs. It provides a balanced blend of nutrients that can benefit most types of plants. Q: How often should I apply Green Machine Fertilizer? A: The frequency of application will depend on the specific needs of your plants and the growing conditions. In general, you may need to reapply Green Machine Fertilizer every 4-6 weeks during the growing season for best results. Q: Can I use Green Machine Fertilizer in combination with other fertilizers? A: Yes, you can use Green Machine Fertilizer in conjunction with other organic fertilizers or soil amendments. However, be mindful of the nutrient levels in each product to avoid over-fertilizing your plants. Q: Is Green Machine Fertilizer safe for pets and wildlife? A: Green Machine Fertilizer is made from all-natural, organic materials that are safe for pets and wildlife. However, it is recommended to keep pets away from freshly applied fertilizer until it has been watered in and absorbed by the soil. Q: How does Green Machine Fertilizer compare to chemical fertilizers? A: Green Machine Fertilizer is a safer, more environmentally friendly alternative to chemical fertilizers. It provides a balanced blend of nutrients that are essential for plant growth, without the risk of harmful chemicals leaching into the soil and water supply. Conclusion Green Machine Fertilizer is a game-changer in the world of plant nutrition. With its unique blend of organic materials and environmentally friendly approach, this fertilizer is a safe and effective choice for promoting healthy, vigorous plant growth. By following the simple steps outlined in this guide and using Green Machine Fertilizer as recommended, you can enjoy the benefits of stronger, healthier plants with improved resilience to stress and pests. Give Green Machine Fertilizer a try and see the difference it can make in your garden or landscape today. Introduction The Need for Sustainable Sustainable manufacturing Sustainable manufacturing stands at the forefront of a global movement towards more responsible production practices. It's a comprehensive approach that considers not only the economic outcomes of production but also the environmental and social impacts. This paradigm shift is driven by the recognition that long-term economic growth cannot be sustained at the expense of depleting resources and harming ecosystems. As such, sustainable manufacturing involves the development and implementation of processes that are not only efficient and cost-effective but also minimize negative environmental impacts and conserve energy and natural resources. From the perspective of an economist, sustainable manufacturing is seen as a way to future-proof industries against the rising costs of raw materials and energy, which are inevitable due to the finite nature of these resources. An environmentalist would emphasize the reduction of waste and emissions, the preservation of biodiversity, and the protection of ecosystems. Meanwhile, a social activist might focus on the fair treatment of workers, community engagement, and the ethical sourcing of materials. Here are some in-depth insights into sustainable manufacturing: 1. Resource Efficiency: This involves optimizing the use of materials and energy to reduce waste. For example, the concept of a circular economy where products are designed for longevity, reuse, and recyclability plays a significant role in resource efficiency. 2. Renewable Energy Integration: transitioning to renewable energy sources like solar, wind, and hydroelectric power helps reduce the carbon footprint of manufacturing processes. Companies like Tesla have made significant strides in this area, integrating solar roofs into their manufacturing plants. 3. Waste Management: Implementing strategies for reducing, reusing, and recycling waste materials. A notable example is the zero-waste policy adopted by Subaru in its manufacturing facilities, where all waste is either recycled or turned into electricity. 4. green Supply Chain management: This involves selecting suppliers based on their environmental performance and working with them to improve sustainability across the supply chain. Patagonia, an outdoor clothing brand, is well-known for its efforts in ensuring that its supply chain is as green as possible. 5. Eco-Design: Designing products with the environment in mind can significantly reduce their ecological impact over their lifecycle. The Fairphone, a smartphone designed to be easily repairable and upgradable, exemplifies eco-design. 6. Regulatory Compliance and Beyond: Adhering to environmental regulations is just the starting point; leading companies aim to exceed these standards. IKEA, for instance, has committed to becoming climate positive by 2030, going beyond compliance to actively improve the environment. 7. Employee Engagement and Training: Educating and involving employees in sustainable practices ensures that these initiatives are understood and adopted throughout the organization. Toyota's training programs for employees on sustainability practices have been instrumental in its success in reducing water usage and energy consumption. 8. Sustainable Innovation: investing in research and development to create new materials and processes that are more sustainable. The development of biodegradable plastics and plant-based materials for packaging are prime examples of sustainable innovation. 9. life Cycle assessment (LCA): evaluating the environmental impact of a product throughout its entire life cycle, from raw material extraction to disposal. LCA helps companies identify areas for improvement in their product designs and processes. 10. community and Stakeholder engagement: Working with local communities and stakeholders to ensure that manufacturing activities contribute positively to the areas in which they operate. This can include local sourcing of materials, investing in community development projects, and open dialogue with local residents and organizations. Sustainable manufacturing is not just a trend; it's a necessary evolution of the industry that balances profitability with planetary stewardship and social responsibility. It's a multifaceted approach that requires the commitment of all stakeholders involved, from the factory floor to the end consumer. As we continue to innovate and adapt, sustainable manufacturing will undoubtedly play a pivotal role in shaping a more resilient and equitable world. Introduction to Sustainable Manufacturing - Sustainable Manufacturing: Green Machines: The Drive Toward Sustainable Manufacturing 2. The Evolution of Green Machines The shift towards sustainable manufacturing has been a pivotal change in the industrial landscape, with "Green Machines" playing a central role in this transformation. These machines, designed to minimize environmental impact, have evolved from rudimentary attempts at energy conservation to sophisticated systems that integrate renewable energy sources, advanced materials, and smart technologies. They are not just a testament to human ingenuity but also a response to the pressing need for sustainability in production processes. From the perspective of manufacturers, the evolution of green machines represents a journey towards efficiency and cost-effectiveness. Initially, the adoption of such machines was driven by the desire to reduce energy costs and comply with environmental regulations. However, as technology advanced, manufacturers began to see the value in investing in machines that not only saved on operational costs but also improved their brand image as leaders in sustainability. Environmentalists view green machines as a crucial step in reducing the carbon footprint of manufacturing. They advocate for the use of machines that utilize less water, generate less waste, and emit fewer pollutants. The progress in green machine technology has been encouraging, with many new models boasting zero emissions and closed-loop systems that recycle resources. Economists analyze the impact of green machines on the market and job creation. They point out that while the initial investment in these machines can be high, the long-term savings and the potential for new green jobs can have a positive effect on the economy. To delve deeper into the evolution of green machines, here's an in-depth look at some key developments: 1. Energy Efficiency: Early green machines focused on reducing energy consumption. For example, variable speed drives allowed motors to use only the energy needed for the task, resulting in significant energy savings. 2. Renewable Energy Integration: Modern green machines often incorporate renewable energy sources. solar-powered drones used for agricultural monitoring are a prime example, harnessing the sun's energy to perform their tasks without fossil fuels. 3. Advanced Materials: The use of lighter, stronger, and more sustainable materials has been a game-changer. Carbon fiber, for instance, has enabled the creation of more efficient wind turbine blades, increasing the viability of wind power as a green energy source. 4. Smart Technologies: The integration of IoT and AI has led to smarter green machines that can optimize their own performance. Smart thermostats in manufacturing facilities can learn patterns and adjust heating and cooling for maximum energy efficiency. 5. Waste Reduction: Green machines now often include systems designed to minimize waste. 3D printers, for example, have revolutionized prototyping by creating objects layer by layer, significantly reducing material waste compared to traditional subtractive manufacturing methods. 6. Water Conservation: Water scarcity has driven the innovation of machines that use less water. Closed-loop cooling systems in data centers recycle water, drastically cutting down on water usage. 7. Emission Control: The latest green machines come equipped with technologies to control and reduce emissions. Electric vehicles (EVs) in logistics, replacing diesel trucks, are a clear illustration of this trend, contributing to cleaner air in urban environments. The evolution of green machines is a multifaceted journey that reflects the collective efforts of various stakeholders. It's a narrative of progress, challenges, and the relentless pursuit of a more sustainable future. As we continue to innovate and refine these technologies, green machines will undoubtedly play an even more significant role in shaping the manufacturing industry and protecting our planet. The Evolution of Green Machines - Sustainable Manufacturing: Green Machines: The Drive Toward Sustainable Manufacturing 3. Key Principles of Eco-Friendly Production eco-friendly production is not just a trend; it's a necessary shift in how we think about manufacturing and its impact on the planet. This approach to production is rooted in the principle of sustainability, which seeks to meet the needs of the present without compromising the ability of future generations to meet their own needs. It's a holistic concept that encompasses various aspects of manufacturing, from the sourcing of raw materials to the energy used in production processes, and even the end-of-life disposal of products. By adopting eco-friendly production methods, manufacturers can significantly reduce their environmental footprint, conserve natural resources, and foster a healthier ecosystem. 1. Resource Efficiency: The first principle of eco-friendly production is maximizing resource efficiency. This means using fewer raw materials and energy to produce goods. For example, Toyota's "Just-in-Time" production system minimizes waste by producing only what is needed, when it is needed. 2. Renewable Energy Use: Transitioning to renewable energy sources like solar, wind, or hydroelectric power is crucial. Companies like Ikea and Google have invested heavily in renewable energy to power their operations. 3. Waste Reduction: Implementing strategies to reduce waste throughout the production process is essential. Patagonia, an outdoor clothing brand, has been a leader in this area by recycling old garments into new products. 4. Product Lifecycle Extension: Designing products for longevity and ease of repair can greatly reduce environmental impact. Fairphone designs modular smartphones that users can easily repair, reducing the need for frequent replacements. 5. Sustainable Sourcing: Using materials that are sustainably sourced or recycled is another key principle. Seventh Generation, a cleaning products company, uses recycled materials for its packaging and sustainably sourced ingredients. 6. Pollution Prevention: Minimizing the release of pollutants into the environment is