



OPTIX

TECHNOLOGIES

**INCREASE EFFICIENCY.
REDUCE WASTE.
SAVE MONEY.**

THE ULTIMATE
DIGITAL ECOSYSTEM
FOR TURF AND
HORTICULTURE.

ABOUT OPTIX

OptiX Technologies has created an ecosystem that consists of physical field devices, mobile and cloud-based software and associated interface equipment that is used not only for tracking and reporting the proper use of chemicals but to manage and track where plants are located, plant viability tracking, fleet and equipment tracking, customer management, inventory management and many other tools that support properly operating and securing a vegetation management or forestry company. The entire ecosystem is centered around a central cloud database driven software package that provides functionality like CRM, scheduling, routing, logging, reporting and mapping. Smart field devices such as flow meters, spray guns and planting devices provide valuable information like applied chemical volume, temperature, direction and pattern of spray, path traveled, areas covered and location of trees planted.

INTRODUCTION

OptiX Technologies would like to present the VMX spray gun tracker device which was developed for the turf, horticulture and vegetation management industries. This device was designed to mount on GNC and other commercially available spray guns. This device has the ability to accurately track the location of the applicator, liquid flow, liquid pressure and direction of the product being sprayed. With all of this information, the OptiX system can produce maps indicating exactly where product was applied, how much, who applied them and when it was applied. Map indicators show where product was over or under applied. It is also possible to calculate the total quantity of product sprayed for a given time period, location, area or job.

This data is recorded and stored in a database that can be later used to generate many different types of reports and for other types of automated plant inspection and maintenance.





VMX DEVICE

- Ensures products like plant growth regulators, insecticides, and fertilizers are applied properly at specific rates.
- Tracks accurate liquid and granular application of plant growth regulators, insecticides, and fertilizers to maximize production.
- Minimizes waste while meeting and exceeding federal and state regulatory chemical application reporting.



MOUNTING

The VMX device is mounted in-line with the nozzle of the spray gun utilizing interchangeable fittings which provide for direct mounting to standard spray guns. Currently, fittings are available for the GNC Do-All and Mag-1 spray guns.

Adapters are available for mounting GNC, TeeJet and Lesco nozzles to the front of the VMX. Other styles will be made available to support industry needs.

TECHNICAL INFORMATION

The VMX spray gun trackers are battery powered devices which use a rechargeable lithium-ion battery as their power source. The factory supplied battery will power the device for at least 12 hours of continuous use and can typically be charged between 300 to 500 times when used and stored according to the supplied documentation.

The VMX uses various wireless communication technologies, such as Bluetooth, to communicate with a mobile device for configuration and data log retrieval.

As an optional service, some devices implement LTE connectivity to provide real time operator tracking and remote configuration.