

Application Success Stories

Metal Fabricating Company Agricultural and Lawn and Garden Products



Advanced Automation

Color Change Flexibility

Improved Productivity

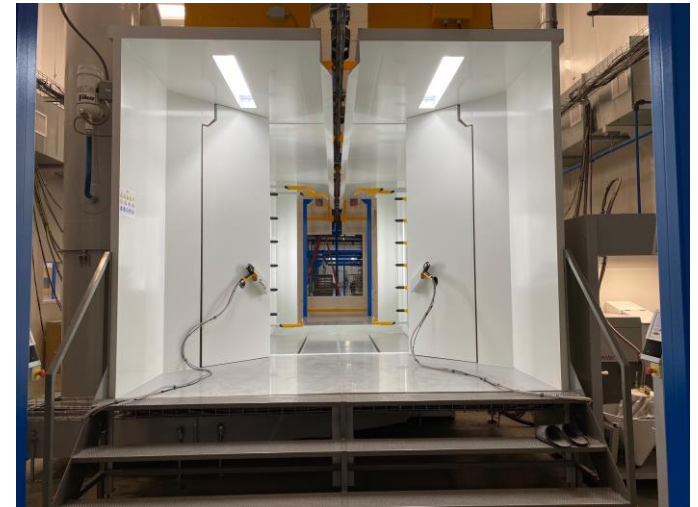
Application Success Stories

Installation Key Data

- Parts:** Metal Fabricated Products for Agriculture, Construction, General Industrial markets
- Part Size:** 60" H X 48" W (1500 x 1200mm)
- Line Speed:** 8 ft./min (2.4m/min)

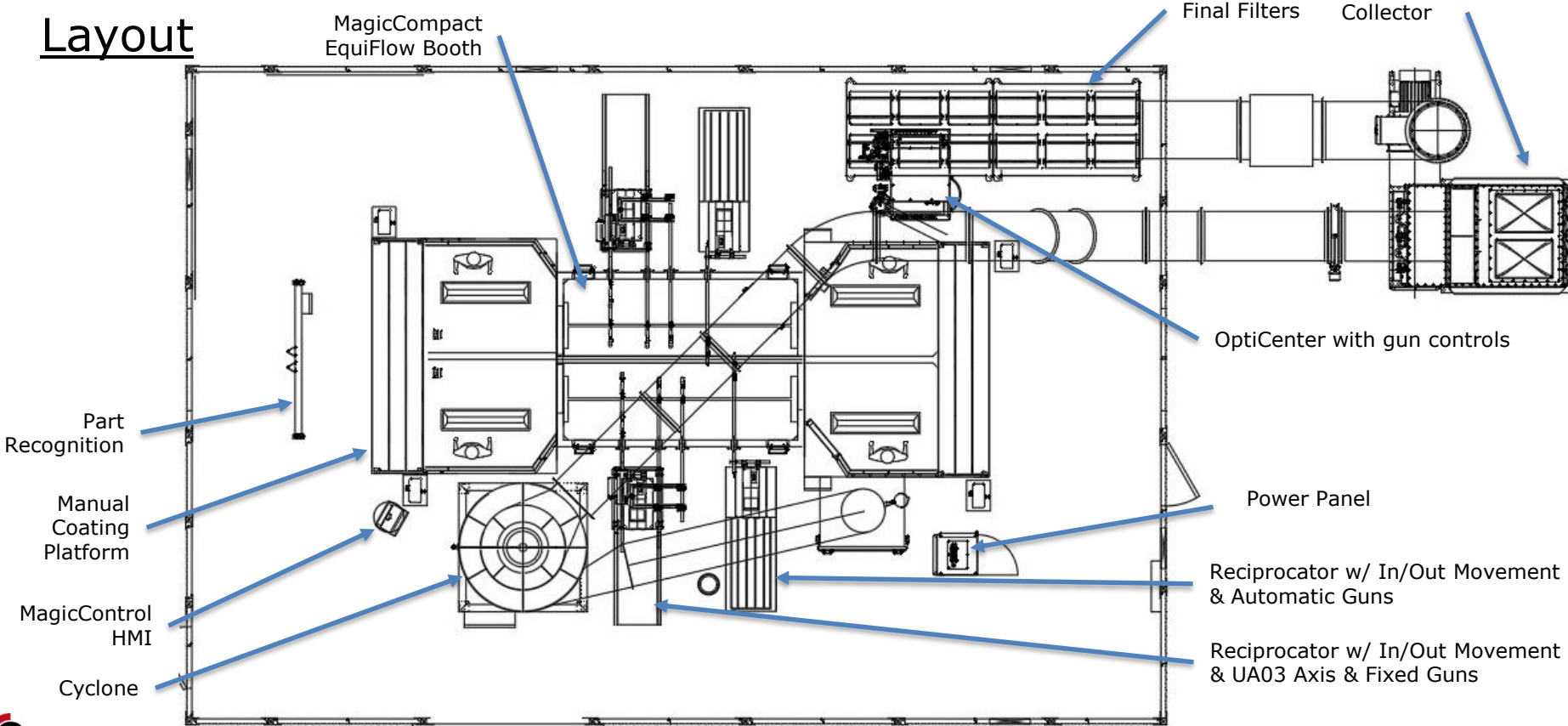
Scope of equipment purchased:

- 1 x MagicCompact® EquiFlow® BA04 booth, 16,500 CFM (28000m³/h)
- 1 x OptiCenter® All-In-One OC06 powder management center
- 4 x OptiSelect® Pro GM04 manual guns
- 18 x OptiGun® GA03 automatic guns
- 22 x OptiStar® All-in-One CG22 control units with OptiFlow IG08 integrated injector
- 2 x Independent gun positioning units UA03
- 4 x Reciprocators, ZA07 with in/out movement
- 1 x MagicControl 4.0, PC automation packages



Application Success Stories

Layout



Application Success Stories



Company Profile

Located in the southeastern region of the United States, this metal fabrication company specialises in metal fabrication, finishing and assembly. Beyond the metal fabrication capabilities, they offer electrocoating (e-coat), liquid coating and powder coating services to their customers. The company does both contract manufacturing as well as manufacture their own line of agricultural and lawn and garden products.

Company Expectations

The company received a contract to manufacture a new product. The complex geometry of this new product and its associated components, presented coating challenges that needed to be addressed. They were looking for a system that would ensure their ability to achieve the correct coverage and desired film thickness. They also needed to effectively manage the variety of colors required for this new product.

Keys to Success

The company had previously used Gema manual and automatic guns on one of their other coating lines; and enjoyed the service support of their local Gema Authorized Distributor, Air Power Inc. They decided to invest in a Gema MagicCompact EquiFlow quick color change booth with automatic guns. The results have proven to be consistent and uniform coating thickness across the wide variety of parts; and excellent color change flexibility.