

Application Success Stories

Wolf Rayet - Gas Catalytic Ovens - MDF Powder Coating



WOLFRAYET

Application Process &
Film Thickness Control

Electrostatic Control

Color Change Flexibility

Application Success Stories

Installation Key Data

Parts: MDF, Wood, and other Heat Sensitive Products

Part Size: 12" W x 48" H (300 x 1200 mm)

Line Speed: 6 FPM (1.8 m/min)

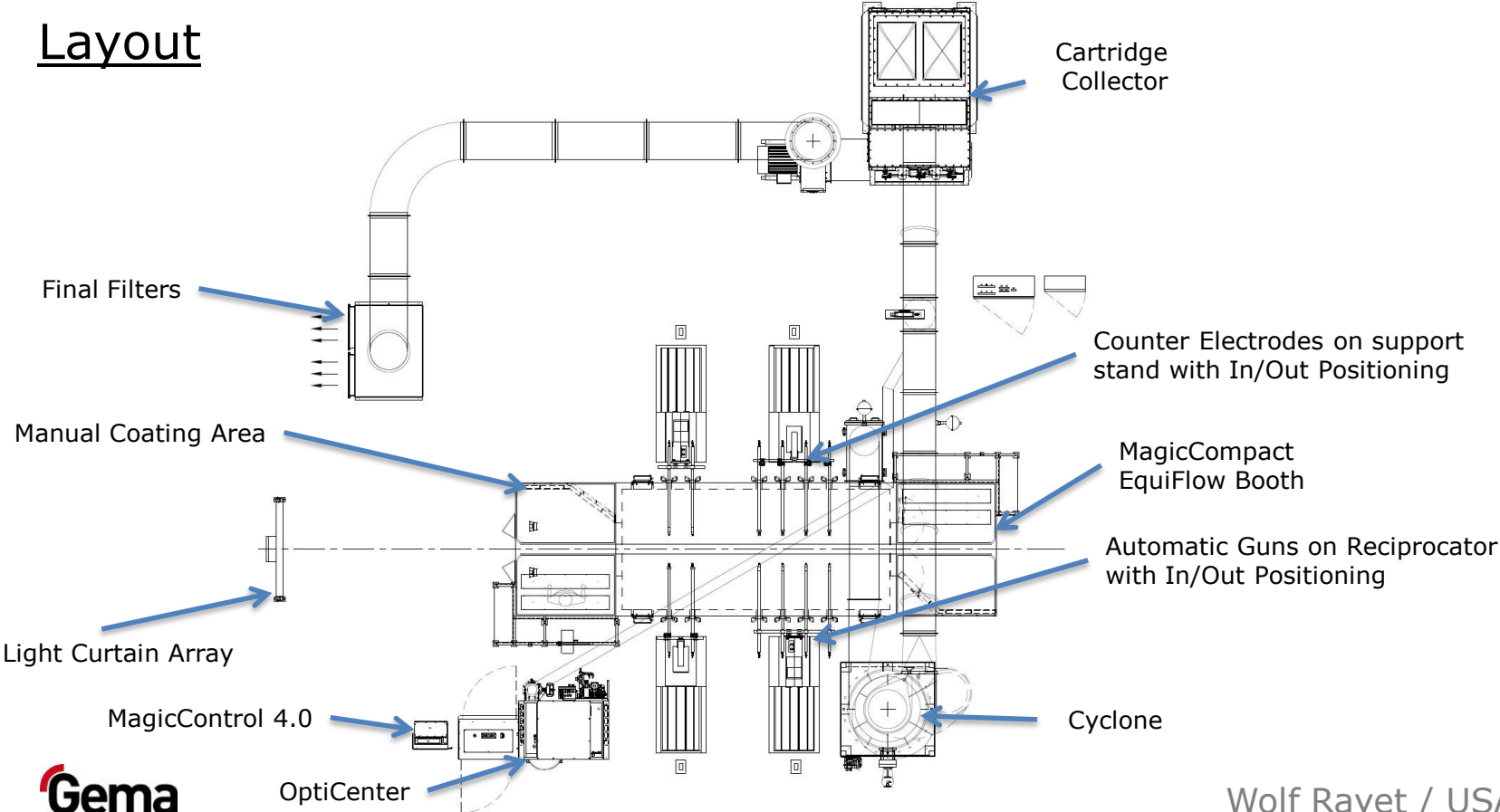
Scope of delivery:

- 1 x MagicCompact® EquiFlow® BA04
- 1 x OptiCenter® All-In-One OC06
- 6 x OptiGun® GA03 Automatic Guns
- 6 x OptiStar All-In-One® Control Units with integrated Injector Pump CG22
- 6 x ionCharge 4.0 Counter Electrodes
- 1 x OptiSelect® Pro Manual Guns
- 2 x Reciprocators ZA07 with In/Out Positioning base, XT10
- 2 x Support Stands, ZS04, with In/Out Positioning base, XT10
- 1 x MagicControl 4.0 (CM40)



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Layout



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Company Profile

Wolf Rayet, located in Gainesville, Texas, is a manufacturer of Gas Catalytic Heating Systems. Wolf Rayet products are suitable for a wide variety of metal and non-metal applications; and they are utilizing this demonstration line, commissioned in 2023, to focus on the application and curing of powder coatings onto heat sensitive substrates, with an emphasis on MDF and other wood based products.

Company Expectations

Wolf Rayet was seeking equipment that would provide the optimum application of powder coatings onto the variety of heat sensitive substrates while offering flexibility to apply a variety of colors or chemistries throughout the day. Unique to heat sensitive materials, edge control was another critical aspect of the application that Wolf Rayet was seeking the ability to control and adjust for the variety of applications that they expected to demonstrate.

Keys to Success

Wolf Rayet chose to install a Gema MagicCompact Color change system including innovative OptiStar All-In-One control system which integrates the control unit and venturi injector into one compact unit mounted onto the powder hopper within the OptiCenter powder management center. For edge control flexibility, the Gema ionCharge 4.0 Counter Electrodes are used to provide excellent application control and uniformity.

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