

Application Success Stories

J-Star Motion Corporation Adjustable Height Desk & Table Bases



Consistent Film Thickness
Control

High Transfer Efficiency

Fast Color Change

Application Success Stories

Installation Key Data

Parts: Adjustable Height Table Base Components

Objects Size: 12" W X 56" H (300 x 1400mm)

Line Speed: 10 FPM (3m/min)

Scope of delivery:

1 x MagicCompact® EquiFlow® BA04, 10,000 CFM (16'000m³/h)

1 x OptiCenter® OC07

20 x OptiGun® GA03 Automatic Guns

20 x OptiSpray AP01.1 Application Pumps

2 x OptiSelect® Pro GM04 Manual Guns

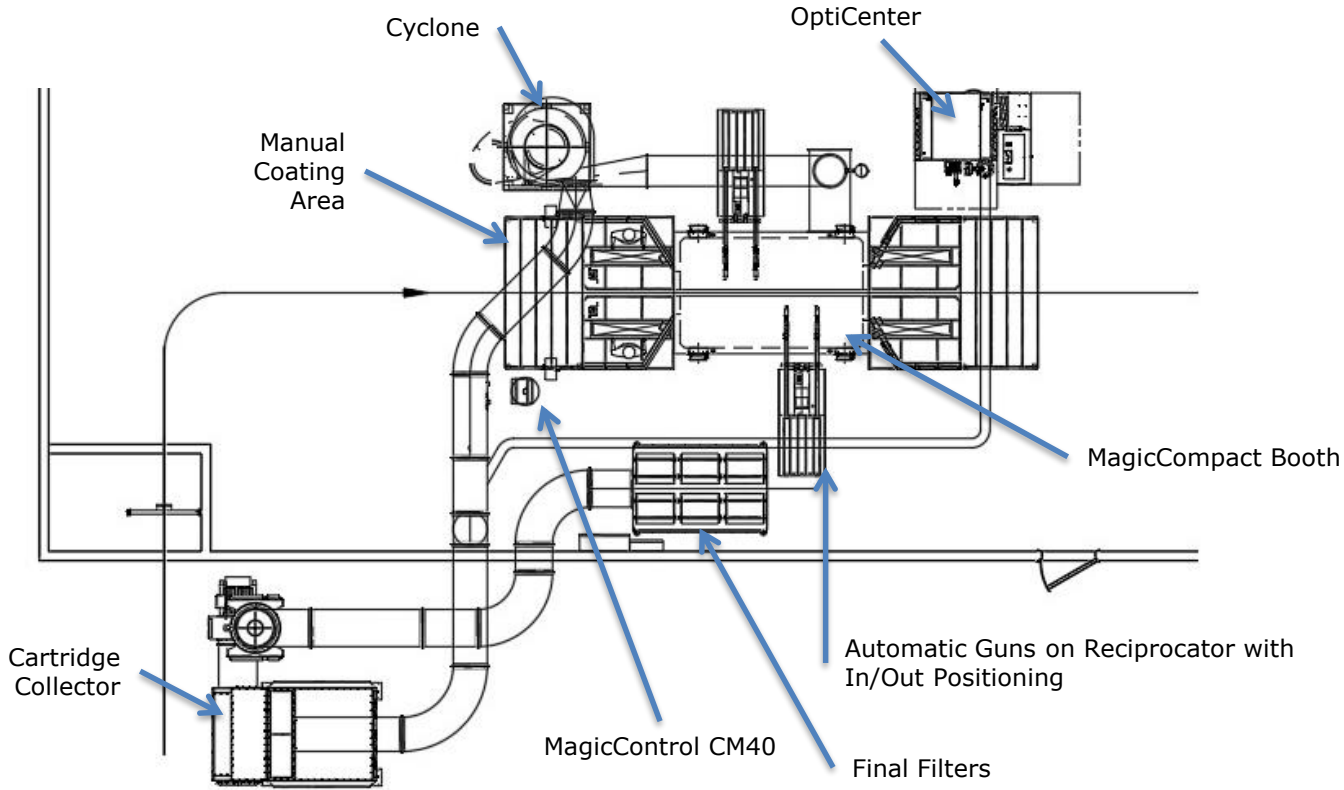
2 x Reciprocators, ZA07 with In/Out Positioning base, XT10

1 x MagicControl 4.0 (CM40)



Application Success Stories

Layout



Application Success Stories



Company Profile

J-Star Motion Corporation, located in Cedar Springs, MI, is a subsidiary of Jiecang Linear Motion Technology Co., LTd; and a manufacturer of adjustable height desks and tables used in the Office Furniture industry. In 2021, J-Star broke ground on a 465,000 square foot building, allowing them to consolidate all Michigan based production into one facility starting in 2023.



Company Expectations

With a growing business volume, J-Star needed to increase throughput while maintaining their high level of quality. Additionally, J-Star wanted the ability to rapidly change colors as well as eliminate spraying-to-waste by recovering and reusing as many of their colors sprayed as possible.



Keys to Success

J-Star chose a color change system from Gema that included the AP01 Application Pump. Results indicate that J-Star is achieving their goal of improving film thickness control +/- 0.25 mil (6µm) across the part. As well as improved color change flexibility. Operators find the system intuitive and easy to use as they change colors and manipulate the coating programs for the variety of components produced by J-Star.