

Application Success Stories

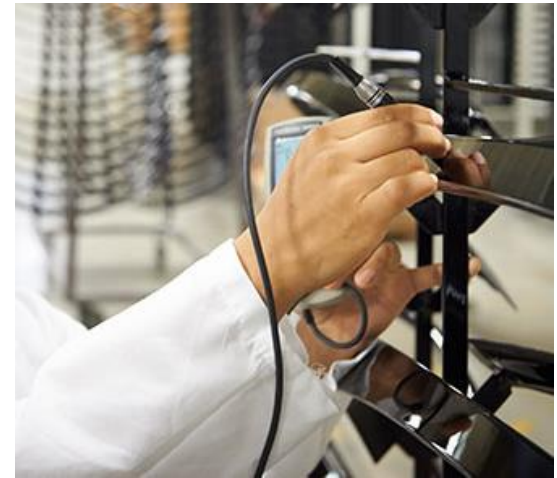
Case Study: Job Coater, Western Michigan Automotive and Office Furniture Products



Increased
Productivity



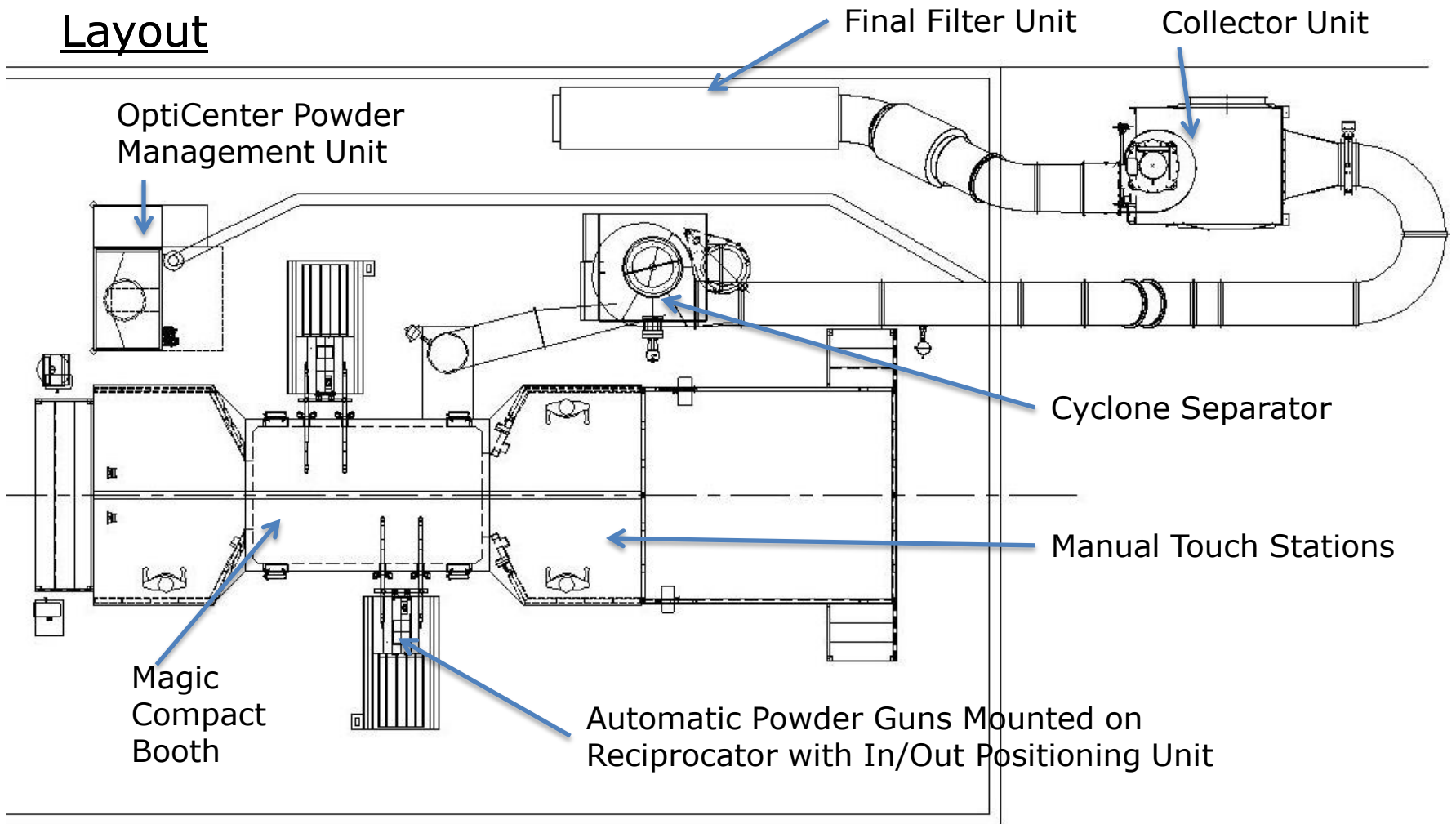
Color Change
Flexibility



Improved Film
Thickness Control

Application Success Stories

Layout



Application Success Stories

Installation Key Data

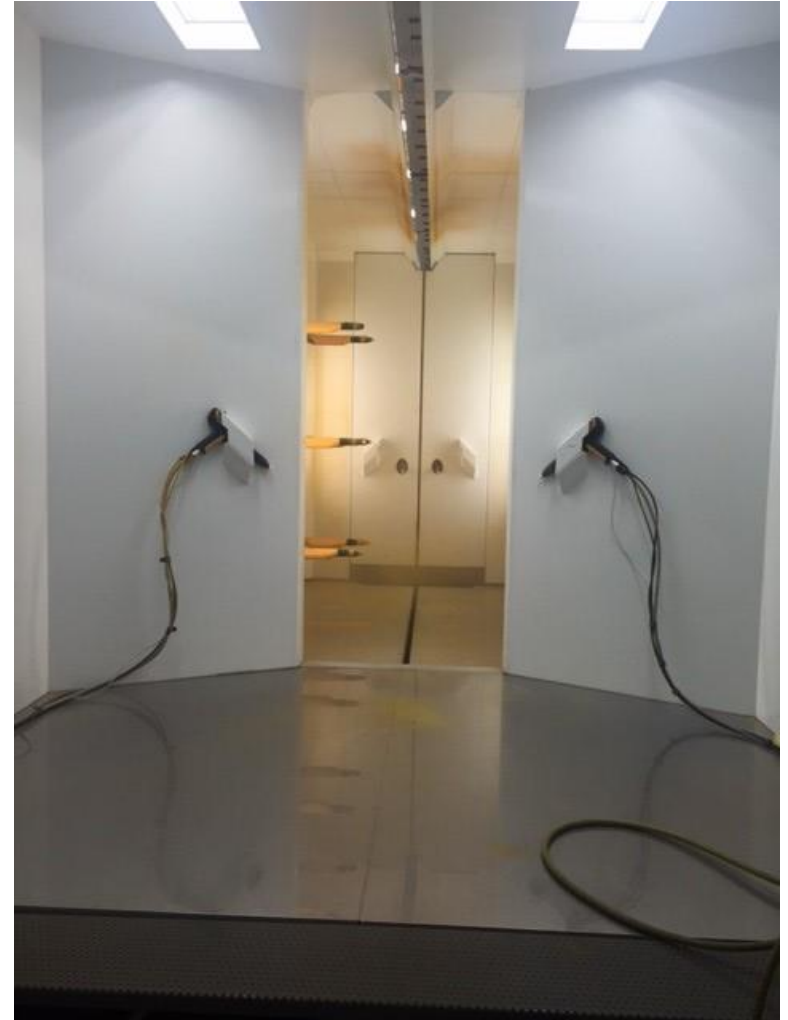
Parts: Various Parts (Custom Coater)

Part Size: 24" W X 66" H

Line Speed: 6-10 FPM

Scope of Equipment in Use:

- 1 MagicCompact® with EquiFlow® BA04,
10,000 CFM (17,000 Nm³/hr)
- 1 MagicControl CM30
- 1 OptiCenter® w/ UltraSonic Sieve US06
- 12 OptiGun® GA03P-X Automatic Guns
- 12 Application Pumps AP01 with SIT
- 4 OptiFlex®2 Manual Guns with Application
Pumps AP01
- 2 Reciprocators ZA
- 2 In/Out Positioning Base Units XT



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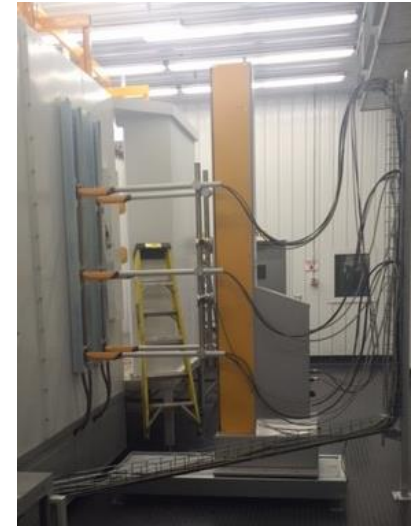
Company Profile

Located in Western Michigan, this family-owned business offers powder coating services with a focus in the automotive and office furniture markets. This company operates one of the largest powder coating shops in the region with two production lines for large volume runs and a batch process for small volume needs. Additionally, they have the ability to powder coat ferrous and nonferrous substrates.



Company Expectations

On one of the high volume production lines, they were using older cartridge recovery technology and traditional venturi powder pump technology. This led to production issues associated with long color changeover time and reduced color change flexibility. This company also wanted to tighten the film thickness control and improve repeatability. All of these issues were driving the need for change.



Keys to Success

The management of this company selected the Gema OptiSpray, AP01, dense phase pump due to the ability to provide significantly improved film thickness control and repeatability. They were also able to increase their color change flexibility with a MagicCompact system incorporating the OptiCenter powder management control and the OptiSpray pumps.