Application Success Stories

Case Study: Midwestern Metal Fabrication Services Company; USA

- Improve Color
- Change Capabilities
- Production Efficiency
- Process Information Data Collection
Application Success Stories

### Layout

- **OptiCenter® OC02**
- **Reciprocator**
- **Automatic Powder Guns**
- **Existing Booth Cabin**
- **Manual Coating Platform**
- **Existing Recovery Unit**
- **Existing Cyclone Units**

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Application Success Stories

Installation Key Data

**Parts:** Various Metal Fabricated Components; specialty ATV & UTV products (winch, snow plow, bumpers, hitch/receiver)

**Scope of equipment purchased:**
- 8x OptiGun® GA03 automatic guns
- 8x OptiStar® CG20 gun control units
- 2x Reciprocators ZA10
- 1x OptiCenter® OC02 with an ultrasonic sieve
- 8x Powder Injectors IG07
- 1x Line gap triggering
Company Profile
This Midwestern metal fabrication company was founded in the mid 1980’s. They specialize in fabricating parts and assemblies made of Steel, Stainless Steel, Aluminum, and extruded metal. They are an ISO 9000 certified company operating from a facility with 40,000 ft² of manufacturing space and 18,000 ft² dedicated to powder coating. They produce items for the ATV/UTV market, such as winches, snow plows, hitches, and other accessories.

Company Expectations
This metal fabrication company realized that their powder coating process line was incapable of providing the necessary color changeover time, film thickness control, and process data to efficiently produce parts with a high quality finish. They needed film thickness control, consistency and greater efficiency. They also desired color change flexibility that would improve productivity, and data to provide operational feedback for evaluating performance.

Keys to Success
Their decision was to choose Gema automatic guns, controls, and reciprocators to apply the powder more uniformly. This resulted in a 50% reduction of the manual touch-up required. Additionally, they invested in a Gema OptiCenter to efficiently manage the color change process and reduce changeover time. Another benefit realized was the ability to download productivity and consumption data directly from the Gema gun control units, giving them better process management.