

For the best total coating
application solution and
optimum part performance



THE DECC COMPANY

Protecting Your Components

Coating Solutions for:

- Abrasion and wear resistance
- Chemical resistance
- Corrosion prevention
- Decorative/cosmetic appearance
- Dry film lubrication
- E-Coat resistance
- FDA compliant
- High temperature resistance
- Noise reduction (NVH & BSR)
- Non-stick release
- Reduced friction coefficient
- Rubber to metal bonding
- Squeak elimination
- Thermal reduction





Nearly Five Decades of Engineered Coating Solutions

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here are many coating applicators that can complete precisely-defined projects. There are far fewer who can do that and engineer even better solutions than were originally specified. It's the difference between a limited focus on coating and a broader focus on the best total solution for a specific part and performance requirement. Since 1964, the DECC Company has been **providing solutions to problems** through specific and custom coating applications.

During our nearly 50 years, we've served more than 500 companies and solved thousands of coating challenges. Originally specializing in dry film lubricants, we now offer an extensive range of industrial coating services, including chemical resistant coatings, high temperature resistant coatings, rubber bonding adhesives, corrosion protection coatings, FDA approved coatings and many others.

We've also expanded our market scope to include customers in the military, avionics, alternative energy/fuel cell, heavy truck, automotive, furniture, food processing and medical industries, as well as remanufacturing of parts across many other industries.

Today, with concept through implementation capabilities that include on-site tooling, specialty packaging and a wide range of coating technologies, we have the resources to optimize the performance and value of your parts while meeting the most demanding quality standards ... with consistently greater than 98% on-time delivery.

We invite you to take a closer look.



Avionics



Energy



Diesel



Furniture



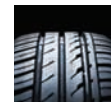
Industrial



Medical



Military



Automotive



Food Processing



Remanufacturing



THE DECC COMPANY

Wider Range of Capabilities Drive Speed, Economy & Total Quality Control

We operate in a 100,000 square foot, ISO-9001-2008 facility and have obtained AIAG CQI-12 status as a custom coating service provider. As you'll see, we have invested in a greater range of services than most of our competitors. This higher degree of self-sufficiency drives speed and economy while enabling single source responsibility for total quality control.



SURFACE PREPARATION: To assure proper adhesion of coatings without jeopardizing part geometry, we operate PLC-controlled aluminum oxide blasting or microcrystalline zinc phosphate treatment. These processes allow proper surface preparation for a very wide range of substrates.



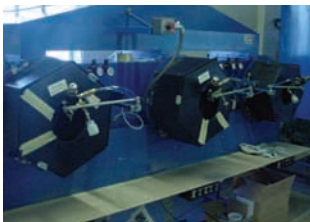
INTERNAL DIAMETER (ID) SPRAY COATING: Fixtured parts pass through a pre-heater and on to the first ID spray gun which coats the ID of the part as it spins at its station. Next, an electric eye verifies primer has been properly applied before indexing to the second ID gun for top coating. Parts are cured and moved to an automated final checker before placement on an enclosed conveyor and packed into palletized totes for shipping. The entire process is computer controlled for unmatched quality.



ELECTROSTATIC SPRAY COATING: Fixtured parts pass before a PLC controlled, multiple oscillating turbine which delivers a cloud of electrostatically-charged coating particles. This method assures an efficient transfer of coating which results in a smooth, consistent film bond and uniform thickness, even with very high production rates.



ROBOTIC SPRAY COATING: For unique part geometries, including difficult angles, robotic technology is preferred. Fixtures move on a conveyor and pass by a robotic arm which aims the coating spray in a predetermined pattern. We utilize two 6-axis FANUC robots for these applications. Unlike most coating providers, we can coat the inner and outer diameter of any part.



TUMBLE SPRAY COATING: An economical choice for select high-volume applications, tumble coating involves a spray of atomized coating applied to rotating parts in a specially designed tumbling unit that provides a quality advantage over dip-spin technology for certain part geometries and coatings. Tumble coating is particularly advantageous for plastic, glass-filled nylon or rubber parts.



FIXTURE DESIGN & FABRICATION: To control the time, cost and quality of your project, we've chosen to bring fixture design and fabrication in-house. Using state-of-the-art CAD technology, our engineers design and machine fixture options in as little as a day's time. Once coating trial analysis is complete, the design that best matches PPAP criteria is mass produced.



ASSEMBLY & PACKAGING: To meet the demands of JIT (just in time) production, we offer both assembly and packaging services. This atypical service speeds delivery and reduces the cost of an additional service provider in your supply chain.

All the Quality Testing and Assurances You'll Require

Talking about our track record is one thing. Proving it is another. That comes with working together, but please bear in mind we are ISO 9001-2008 certified, CQI-12 certified and have invested in ERP and QMS. We are also compliant with a wide range of automotive, aerospace, alternative energy, diesel and military specifications. We have invested in all the state-of-the art tools to perform all required testing: adhesion/cross hatch, coating thickness, dimensional accuracy, cure testing and attribute gauging as well. Statistical process control and continuous improvement are consistently practiced.



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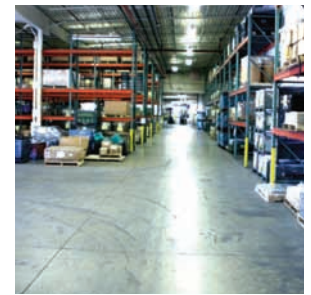
Broad and Deep Client & Industry Experience

For many years we focused on the automotive and transportation industries. But, as autos and heavy equipment have evolved to use a wider variety of materials and technologies, we've diversified into the fields with common needs. And if it's true that you are known by the company you keep, we're proud to have supplied custom coating solutions to hundreds of companies.

Company Type	Application Focus
Leading diesel engine manufacturer	Acid resistance
Global leader in the office furniture industry	Abrasion resistant dry film lubricant
Leading manufacturer for the hydraulics industry	Abrasion resistant release lubricant
Supplier to vehicular, off-highway, and industrial manufacturers	High temperature dry film noise reduction
Aluminum die casting (steel chair tubes)	Abrasion resistant dry film lubricant
Precision turned metal product manufacturer	Dry film lubricant
Supplier of stamped assemblies	Corrosion resistance
Sealing manufacturer	Dry film release (non stick)
Manufacturer of industrial rubber products	Chemical resistance
Automobile components manufacturer	Hydroscopic release qualities
Metal stamping and plastic mold injection	Dry film noise reduction
Fastener manufacturer and supplier	Cosmetic UV resistant



CORE INDUSTRIES



- **Aerospace/Avionics:** coatings that reduce heat and friction, increase corrosion protection, strength, durability and abrasion resistance, as well as dry film lubrication and chemical resistance.



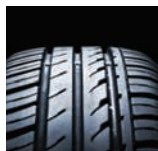
- **Furniture:** coatings and dry film lubricants that assure durable, smooth-moving components while maintaining high quality appearance.



- **Alternative Energy/Fuel Cells:** coatings that provide chemical and corrosion resistance while often enabling the use of less exotic and costly materials.



- **Industrial Equipment:** coatings that protect against friction, wear and corrosion to achieve maximum service life and value.



- **Automotive:** coatings approved under many OEM specifications to provide noise reduction and dry film lubrication, rubber to metal bonding, UV protection, high temperature resistance and corrosion protection.



- **Medical:** coatings that impart adhesion, temperature sensitivity, wear resistance and a non-stick surface over molded, electrical insulation, biocompatible or other finishes – autoclavable coatings that provide high pH resistance and dry film lubricant properties.



- **Diesel:** coatings that create corrosive protective and thermal barriers which reduce or eliminate the need for heat blankets and exotic metals that increase cost, add weight and reduce performance.



- **Military:** coatings that meet a wide range of military specifications for lubricants, surface protection, primers and interior and exterior surfaces and ammunition.



- **Food Processing:** coatings that meet FDA requirements and provide abrasion resistance, friction reduction and non-stick properties for easier cleaning and longer equipment life.



- **Remanufacturing:** in line with our goal to drive sustainability, nearly 30 percent of our business is derived from remanufacturing.

Put Us To The Test

We are telling you all this to convince you that DECC deserves to be on your short list to call whenever you have a new coating challenge, or if you suspect a different coating solution could produce greater value in an existing application. We hope you'll put us to the test soon.

AWARDS & RECOGNITION



2008 - Named one of the 50
Companies to Watch in
Michigan
by the Edward Lowe
Foundation



2007 & 2008 - Named to INC.
500 List of America's Fastest
Growing Private Companies

Grand Rapids Business Journal

- ★ Top 50 Automotive Related
Manufacturers 2008
- ★ Best of Grand Rapids 2008
Metal Finishers



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