

# CURTISS - WRIGHT

## INDUSTRIES SERVED



FIREARMS: PHOSPHATE COATINGS



MILITARY: CARC COATING

## TYPICAL APPLICATIONS



EMI/RFI SHIELDING



SHOT PEEN/PHOSPHATE

## Company Overview

Curtiss-Wright operates a network of facilities that apply engineered coatings to meet challenging user environments. Located in the Minneapolis suburb of New Brighton and previously known as Metal Improvement Company – E/M Coating Services, we offer a full line of industrial and military coatings to provide lubricity, corrosion protection and EMI/RFI shielding.

### Design Challenges and Problems Solved

Corrosion	Friction
Insulation	Lubrication
Material Release	Shielding
Temperature	Wear

### Markets and Industries Served

Aerospace	Automotive
Chemical Processing	Electronics
Fasteners	Industrial
Medical	Military
Plastic Molding	Pump and Valve

### Engineered Coatings

Dry Film Coatings	Federal Firearm License
Military Painting	Plating and Coating for EMI/RFI & ESD
Powder Coatings	

### Shot Peening and Blasting

- Controlled Shot Peening
  - Steel Cast Shot (Regular and Hard)
  - Stainless Steel Shot
  - Cut Wire Shot
  - Glass Bead
  - I.D. Peening

### Customer Approvals/Specifications - Approved Customers

The New Brighton coatings division is approved to meet numerous OEM, industrial and military requirements including:

Military	Lockheed Martin
Caterpillar	Raytheon, L3
BAE, Rosemount Aerospace	Parker Hannifin, Graco
Halliburton	Honeywell
John Deere	Plasan
Rockwell	Medtronic
Federal Firearms License	

### Contact Information

Curtiss-Wright: E/M Coating Services  
2172 Old Highway 8  
New Brighton, Minnesota 55112  
Telephone: 651-780-3202  
Fax: 651-780-3252  
Web: [www.cwst.com](http://www.cwst.com)  
Sales: [em.minneapolis@cwst.com](mailto:em.minneapolis@cwst.com)

**ISO 9001:2015 Certified**

*Our facility has a full service, accredited shot peening job shop capable of handling very large and small parts. The shot peening facility meets many OEM peening specifications and has steel, glass, and stainless steel shot available.*



## OUR PROCESSES

### SPRAY COAT ADVANTAGE

Our spray processes provide uniform coatings with superior cosmetic and functional value. Our application techniques provide a part that is free from damage and excess coating.

### MASKING CAPABILITIES

Coating only where you need it! Intricate masking techniques prevent coating of internal surfaces, maintain critical tolerances and eliminate post-coating machining.

### TEMPERATURE RESISTANT COATINGS

These coatings allow parts to maintain functionality and corrosion protection when exposed to operating temperatures of 1400°F and more.

### AUTOMATED PROCESSING

We have a fully automated powder coat line for high volume parts.

### DIVERSE PRE-TREATMENT

We possess the knowledge and capability to provide you with the ideal pre-treatment process to fully enhance a coating's performance.

### LABORATORY TESTING PROCESS VERIFICATION

For process verification we have measuring capabilities for coating weight/thickness, humidity, resistivity, gloss and salt spray testing.

## Coating Capabilities

### Solid Film, Dry Film Lubricants

Everlube® Kal-Gard®  
Perma-Slik® Microseal®  
PTFE

### Chemical Resistant and Non-Stick Coatings

CARC  
TFE/PTFE Dispersion and Fused Coatings

### Electric Enclosure/Component Coatings

EMI/RFI Shielding  
Electroless Copper/Nickel Plating on plastics and related substrates  
Conductive Coatings  
Electro-Static Discharge

### Special Coatings/Services

Magnetic Particle Inspection  
Impingement Coatings

### Pre-Treatment and Processes

Black Manganese Phosphate  
Iron Phosphate  
Chemical Films (per MIL-DTL-5541)  
Manganese Type M (per MIL-DTL-16232)  
Light Zinc (per TT-C-490 TYI)  
Passivation (per multiple ASTM & SAE specs)  
Sand/Grit Blast

### Post-Treatment Services

Light Assembly and Packaging  
Decal Application

## Business Unit Locations

### United States

Chicago, Illinois 630-620-6808  
Hartford, Connecticut 860-224-9148  
Minneapolis, Minnesota 651-780-3202  
Los Angeles, California  
North Hollywood 818-983-1952  
Chatsworth 818-407-6280

### Canada

Brampton 905-791-8002

### China

Suzhou 86-158-6241-7890

### Germany

Unna 49-2303-91880

### United Kingdom

Evesham 44-1386-421444  
Glasgow 44-141-638-8600