

United States Department of Commerce  
National Institute of Standards and Technology



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# Certificate of Accreditation to ISO/IEC 17025:2005

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NVLAP LAB CODE: 200320-0

**Modern Plating Corporation**  
Freeport, IL

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:

## **Fasteners and Metals**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2018-05-09 through 2019-06-30

Effective Dates

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A handwritten signature in black ink, appearing to read "John S. Lamm".

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For the National Voluntary Laboratory Accreditation Program



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

**Modern Plating Corporation**  
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 Freeport, IL 61032-0838  
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**FASTENERS AND METALS**

**NVLAP LAB CODE 200320-0**

**Chemical Analysis**

**Solution chemical analysis**

<u>Code</u>	<u>Designation</u>	<u>Description</u>
FA/969	MPC AA Work Instructions	Modern Plating Corporation Laboratory Work Instructions for Atomic Absorption  <i>metal content of plating bath solutions</i>

**Mechanical and Physical Testing and Inspection**

**Adhesion**

**Adhesion of metallic coatings on fasteners**

<u>Code</u>	<u>Designation</u>	<u>Description</u>
FA/143	ASTM B571	Standard Test Methods for Adhesion of Metallic Coatings

**Coating**

**Measurement of fastener coating thickness - magnetic methods**

<u>Code</u>	<u>Designation</u>	<u>Description</u>
FA/153	ASTM B499	Standard Test Method for Measurement of Coating Thicknesses by the Magnetic Method: Nonmagnetic Coatings on Magnetic Basis Metals

**Measurement of fastener coating thickness - X-ray methods**

<u>Code</u>	<u>Designation</u>	<u>Description</u>
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For the National Voluntary Laboratory Accreditation Program



FA/556      ASTM B568      Measurement of Coating Thickness by X-ray Spectrometry

**Corrosion**

**Salt spray testing of fasteners**

<u>Code</u>	<u>Designation</u>	<u>Description</u>
FA/166	ASTM B117	Standard Test Method of Salt Spray (Fog) Testing <i>par. 13</i>

**Torque Tension**

**Torque-tension of full-size threaded fasteners**

<u>Code</u>	<u>Designation</u>	<u>Description</u>
FB/1319	WZ100 - Ford	Steel Metric Threaded Fasteners Torque/Clamping Force Performance
FB/1320	WZ101 - Ford	Steel Metric Threaded Fasteners Torque/Clamping Force Requirements
FB/1321	GM 9064P	Torque Tension Test