

CERTIFICATE

TUV Rheinland of North America, Inc.
295 Foster Street, Suite 100, Littleton, MA 01460



Precisely Right.

Hereby certifies that



Vacuum Engineering & Materials

Vacuum Engineering & Materials Co., Inc.
390 Reed Street
Santa Clara, CA 95050
USA

has established and maintains a quality management system for the

**The Design, Manufacturing, and Distribution of High Purity
Thin Film Deposition Materials and PVD Services**

An audit was performed and documented in Report No 3189.
Proof has been furnished that the requirements according to

ISO 9001:2015

are fulfilled.

Further clarification regarding the scope of this certificate and the applicability of
ISO 9001:2015 requirements may be obtained by contacting TRNA.

Certificate Registration No.

74 300 3189

Certificate Issue Date
October 13, 2017

Certificate Expiration Date
October 12, 2020



Reissue Date: July 10, 2019

A handwritten signature in black ink, appearing to read "Lisa Mace".

Certification of Management Systems

CERTIFICATE

TUV Rheinland of North America, Inc.
295 Foster Street, Suite 100, Littleton, MA 01460



Hereby certifies that



Vacuum Engineering & Materials

Vacuum Engineering & Materials Co., Inc.
1275 Round Table Drive
Dallas, TX 75247
USA

has established and maintains a quality management system for the

Cleaning and Services of Shield Components

An audit was performed and documented in Report No 3189/01.
Proof has been furnished that the requirements according to

ISO 9001:2015

are fulfilled.

Further clarification regarding the scope of this certificate and the applicability of
ISO 9001:2015 requirements may be obtained by contacting TRNA.

Certificate Registration No.

74 300 3189/01

This Certificate is only valid in conjunction with certificate 74 300 3189

Certificate Issue Date
October 13, 2017

Certificate Expiration Date
October 12, 2020



Reissue Date: July 10, 2019

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This appendix lists the sites certified under Certificate Number

74 300 3189, valid until **October 12, 2020**

for

**Vacuum Engineering & Materials Co.,
Inc.**

| CERTIFICATE NO. | SITE ADDRESS | ACTIVITIES RELATING TO: |
|--------------------------------|--|---|
| 74 300 3189/ 74 300 3189/01 | 1275 Round Table Dr. Dallas, TX 75247 | Cleaning and Services of Shield Components |

TÜVRheinland®

This appendix is only valid in conjunction with the referenced certificate.

Reissue Date: 07/10/2019



W. Müller
Certification of Management Systems