

Specialty coatings applications and testing capabilities

In March 2007, Eastman Chemical Company opened a new state-of-the-art paint spray facility at its headquarters in Kingsport, TN. It is the first of its kind by a coatings raw material supplier and is the culmination of a 12-month, multi-million-dollar investment in personnel, construction, equipment and technology.

Building upon Eastman's traditionally strong applications capabilities, the new facility allows reproducible application of coatings under tightly controlled environmental conditions.

In addition to these new capabilities and equipment, we have a wide range of general applications and testing equipment in this and other Eastman facilities.



Spray applications capabilities

Spray booths: One manual, one automated

- Automated booth features a 6-axis robot interfaced with a PLC for control and improved data management.
- Robot is fitted with rapidly interchangeable dual end devices (bell, conventional gun, HVLP gun).
 - Bell/bell
 - Bell/gun
 - Gun/gun
- Waterborne or solventborne coatings can be applied with either internal or external charge.
- Booths are equipped with environmental controls to provide wide latitude in application temperature and relative humidity.

This facility provides the capability to simulate most automotive OEM applications as well as many other industrial spray applied coatings.

Capabilities include a range of ASTM and OEM test methods for color and appearance, corrosion resistance, adhesion and weathering/durability. In addition, coatings are examined by a variety of spectroscopy, microscopy, thermal analysis, chromatography and rheology techniques.



**Eastman Chemical Company
Corporate Headquarters**

P.O. Box 431
Kingsport, TN 37662-5280 U.S.A.

Telephone:
U.S.A. and Canada, 800-EASTMAN
(800-327-8626)
Other Locations, (1) 423-229-2000
Fax: (1) 423-229-1193

Eastman Chemical Latin America

9155 South Dadeland Blvd.
Suite 1116
Miami, FL 33156 U.S.A.

Telephone: (1) 305-671-2800
Fax: (1) 305-671-2805

Eastman Chemical B.V.

Fascinatio Boulevard 602-614
2909 VA Capelle aan den IJssel
The Netherlands

Telephone: (31) 10 2402 111
Fax: (31) 10 2402 100

**Eastman (Shanghai) Chemical
Commercial Company, Ltd. Jingan Branch**

1206, CITIC Square
No. 1168 Nanjing Road (W)
Shanghai 200041, P.R. China

Telephone: (86) 21 6120-8700
Fax: (86) 21 5213-5255

Eastman Chemical Japan, Ltd.

AIG Aoyama Building 5F
2-11-16 Minami Aoyama
Minato-ku, Tokyo 107-0062 Japan

Telephone: (81) 3-3475-9510
Fax: (81) 3-3475-9515

Eastman Chemical Asia Pacific Pte. Ltd.

#05-04 Winsland House
3 Killiney Road
Singapore 239519

Telephone: (65) 6831-3100
Fax: (65) 6732-4930

www.eastman.com

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