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Applied Materials is a leading producer of semiconductor manufacturing systems. We're an international company with facilities throughout the United States, Europe, and Japan. Our customers include every major semiconductor manufacturer in the free world.

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**AMP 3300 PLASMA DEPOSITION SYSTEMS**
Superior film qualities, both nitride and oxide, guaranteed uniformities, and proven reliability have made the AMP 3300 popular for a wide range of plasma passivation and interlayer applications.

Recent process developments have led to an improved method of gas distribution employing a perforated electrode. This provides for uniform gas composition across the entire wafer platen, resulting in consistent film characteristics on every wafer.

**AMS 2100 CONTINUOUS SILOX™ SYSTEMS**
When oxide layers are needed, quality starts with the AMS 2100, a self-contained CVD system for volume production of $\text{SiO}_2$, PSG or BPSG films. Continuous processing provides high throughput rates; the optimum deposition rate of 1,100 Å/minute provides low-stress films with guaranteed uniformities. More than 250 systems are now in use for applications such as passivation and interlayer dielectrics.

**HIPO™ HIGH PRESSURE OXIDATION SYSTEMS**
This unique high pressure, low temperature system produces high yield, low defect, thermal oxide films with guaranteed uniformities and superior wafer throughput. Each run will process up to 250 3-inch, 100mm or 125mm wafers using either steam or dry oxidation processes. Applied Materials markets the system, manufactured by GaSonics, with a guarantee that it will produce uniform, repeatable films of ± 5 percent or better for within-a-wafer, wafer-to-wafer or run-to-run.
UNITED STATES
Corporate Headquarters
Applied Materials, Inc.
3050 Bowers Avenue
Santa Clara, California 95051
Tel: (408) 727-5555

Sales Offices
ARIZONA
Applied Materials
1270 East Broadway, Suite 200
Tempe 85282
Tel: (602) 829-0341

CALIFORNIA
Applied Materials
3400 Central Expressway
Santa Clara 95051
Tel: (408) 748-5500

FLORIDA
Applied Materials
255 Paradise Beach Blvd., Suite 42
Indialantic 32903
Tel: (305) 777-2898

MASSACHUSETTS
Applied Materials
805 Turnpike Street, Suite 201-203
North Andover 01845
Tel: (617) 682-0035

NEW JERSEY
Applied Materials
15 Cedar Grove Lane, Suite 11
Somerset 08873
Tel: (201) 356-8222

TEXAS
Applied Materials
14001 Goldmark Drive, Suite 101
Dallas 75240
Tel: (214) 258-8740

EUROPE
UNITED KINGDOM
Applied Materials, Ltd. (Northern Europe)
Sundial House
89-93 Goldsworth Road
Woking, Surrey GU211LJ England
Tel: 44 (4862) 61233
Telex: 859593

WEST GERMANY (Central Europe)
Applied Materials GmbH
Wilhelmstr. 17
D-8000 Munich 40
Tel: 49 (89) 3853-0
Telex: 5215176

FRANCE (Southern Europe)
Applied Materials S.A.R.L.
421 Rue Helene Boucher
78530 Buc
Tel: 33 (3) 956-3466
Telex: 695208

JAPAN
Applied Materials Japan, Inc.
2-7-1 Nishi-Shinjuku
Shinjuku, ku, Tokyo 160
Tel: 81 (3) 348-3881
Telex: 25886

Applied Materials Japan, Inc.
1-18-5 Higashinaka-ku
Higashi-Yodogawa-ku, Osaka 533
Tel: 81 (6) 325-3681
Telex: 25886

Applied Materials Japan, Inc.
13-10 Suido-cho
Kumamoto-shi
Kumamoto-ken 860
Tel: 0963-56-6858
Telex: 25886

Applied Materials Japan, Inc.
3F Dai Hyaku Building
01 Chome 5-17, Hon-cho,
Sendai city, Miyagi-ken
Tel: (81) 222-42326
Telex: 25886

REST OF WORLD
Applied Materials, Inc.
3400 Central Expressway,
Santa Clara, CA 95051
Tel: 1 (408) 727-5555

APPLIED IMPLANT TECHNOLOGY
(a subsidiary of Applied Materials)
UNITED STATES
California
Applied Implant Technology
2940 Kifer Road
Santa Clara 95051
Tel: (408) 748-5550

EUROPE
UNITED KINGDOM
Applied Implant Technology
Founrdry Lane, Horsham,
Sussex, England RH135PY
Tel: 44 (403) 3516
Telex: 87654

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