

ULVAC Group

ULVAC, Inc.
 ULVAC TECHNO, Ltd.
 ULVAC KYUSHU CORPORATION
 ULVAC TOHOKU, Inc.
 ULVAC SEIKI COMPANY, LIMITED
 ULVAC CORPORATE CENTER
 ULVAC Materials, Inc.
 Reliance Electric Limited
 ULVAC COATING CORPORATION
 ULVAC-RIKO, Inc.
 ULVAC KIKO, Inc.
 ULVAC-PHI, Inc.
 ULVAC CRYOGENICS INCORPORATED
 SHOWA SHINKU CO., LTD.
 ULVAC Technologies, Inc.
 ULVAC G.m.b.H.
 ULVAC TAIWAN INC.
 ULVAC KOREA, Ltd.
 ULVAC SINGAPORE PTE LTD
 OOO ULVAC
 ULVAC (China) Holding Co., Ltd.
 ULVAC (Shanghai) Trading Co., Ltd.
 ULVAC (NINGBO) CO., LTD.
 ULVAC NONFERROUS METALS (NINGBO) CO., LTD.
 ULVAC (SHANGHAI) CO., LTD.
 ULVAC (SUZHOU) Co., Ltd.
 ULVAC Orient (Chengdu) Co., Ltd.
 ULVAC CRYOGENICS (NINGBO) INCORPORATED
 ULVAC Automation Technology (Shanghai) Corporation
 ULVAC Vacuum Furnace (Shenyang) Co., Ltd.
 Ulvac Tianma Electric (Jing Jiang) Co., Ltd.
 ULVAC Materials (Suzhou) CO., LTD
 Luoyang Xinyou Magnesium Co., LTD
 Hong Kong ULVAC Co., Ltd.
 ULVAC EQUIPMENT SALES, Inc.
 SANKO ULVAC Co., Ltd.
 Initium, Inc.
 TIGOLD CO., Ltd.
 Sigma-Technos Co., Ltd.
 ULVAC Elder, Ltd.
 RAS Co., Ltd
 ULVAC ENGINEERING, Inc.
 ULVAC Human Relations, Ltd.
 ULVAC Reseach Center KOREA, Ltd.
 Ulvac Korea Precision, Ltd.
 Pure Surface Technology, Ltd.
 ULVAC CRYOGENICS KOREA INCORPORATED
 UF TECH, Ltd.
 ULVAC Materials Korea, Ltd.
 ULVAC Research Center TAIWAN, Inc.
 ULVAC Taiwan Manufacturing Corporation
 ULTRA CLEAN PRECISION TECHNOLOGIES CORP.
 ULVAC SOFTWARE CREATIVE TECHNOLOGY, CO., LTD
 ULVAC Materials Taiwan, Inc.
 ULVAC AUTOMATION TAIWAN INC.
 ULCOAT TAIWAN, Inc
 MUE Materials Taiwan Co., Ltd.
 Physical Electronics USA, Inc.
 ULVAC (THAILAND) LTD.
 ULVAC MALAYSIA SDN. BHD.

2009.5

May 19 to 22

10th International Vacuum Exhibition
 Beijing International Convention Centre, Beijing, China

2009.6

June 10 to 12

Display Taiwan 2009
 Taipei World Trade Center, Taipei, Taiwan

2009.7

July 1 to 3

22nd Interphex Japan
 Tokyo Big Sight, Tokyo, Japan

July 1 to 3

8th International Bio Forum & Bio Expo Japan
 Tokyo Big Sight, Tokyo, Japan

ULVAC GROUP EXHIBITION SCHEDULE

2009.8

August 10 to 12

Renewable Energy India 2009 Expo
 Pragati Maidan, New Delhi, India

2009.9

September 2 to 4

JAIMA Show 2009
 Makuhari Messe, Chiba, Japan

September 16 to 18

Japan Vacuum Show 2009 (VACUUM 2009)
 Tokyo Big Sight, Tokyo, Japan

“ULVAC Solar” Site Open (www.ulvac-solar.com)

ULVAC Solar, a new Web site featuring ULVAC photovoltaic solutions, is now available online at www.ulvac-solar.com. The site offers information about ULVAC’s extensive array of photovoltaic solutions including its turnkey solar cell production lines. The English language site is designed to bring ULVAC photovoltaic solutions to the world via the ULVAC Solar brand.

The brand’s core visual element is set in a fictional era Japan and designed around the concept of an environmentally friendly world built on cutting-edge science and technology. The illustration which looks like it’s taken straight from an old Japanese wood block print features ULVAC publicity people introducing the townsfolk to its turnkey solar cell production line against an iconic backdrop with Mt. Fuji. The old world Japanese design is sure to make a big impact that will attract attention around the globe.

The ULVAC Solar logo features a pair of origami cranes that symbolize the ULVAC publicity people in the illustration. These core



visual elements will be used on the Web site as well as other materials promoting ULVAC’s photovoltaic solutions via various channels.

The ULVAC Solar site will be updated on a regular basis to provide the latest information on ULVAC photovoltaic solutions. ULVAC is working to increase recognition of its products and strengthen its brand image in the global market. Visit the ULVAC Solar site and see some of the exciting new developments for yourself.

MAY

May 20 to 22
SEMICON Singapore 2009
 Suntec Singapore International Convention & Exhibition Centre, Singapore

May 27 to 29
Intersolar 2009
 New Trade Fair Centre, Munich, Germany

JUNE

June 24 to 26
13th Mechanical Components & Materials Technology Expo
 Tokyo Big Sight, Tokyo, Japan

June 24 to 26
PV Japan 2009
 Makuhari Messe, Chiba, Japan

JULY

July 14 to 16
SEMICON West 2009
 Moscone Center, San Francisco, CA, USA

July 14 to 16
Intersolar North America 2009
 Moscone Center, San Francisco, CA, USA

July 29 to 31
Exhibition Micromachine/ MEMS 2009
 Tokyo Big Sight, Tokyo, Japan

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AUGUST

SEPTEMBER

September 21 to 25
24th EU PVSEC
 Congress Center and International Fair, Hamburg, Germany

September 29 to October 1
Analytica Anacon India 2009
 Hyderabad International Trade Exposition Center, India

2009.10

OCTOBER

October 7 to 9
PV TAIWAN 2009
 Taipei World Trade Center, Taipei, Taiwan

October 7 to 9
12th Mechanical Components & Materials Technology Expo Osaka 2009
 Intex Osaka, Osaka, Japan

October 27 to 29
SOLAR POWER International 2009
 Anaheim Convention Center, Anaheim, CA, USA

2009.11

NOVEMBER

November 8 to 13
AVS 56th international Symposium and Exhibition
 San Jose McEnergy Convention Center, CA, USA

2009.12

DECEMBER

December 2 to 4
SEMICON Japan 2009
 Makuhari Messe, Chiba, Japan

Editors' Notes

* Despite the global economic downturn, ULVAC Magazine continues to remain focused on providing readers with information about new developments in technology and business. It is the sincere hope of all of us on the editorial team that readers of ULVAC Magazine will find the articles and stories covered in each issue to be uplifting and inspiring. I hope this latest issue of ULVAC Magazine will inspire everyone who reads it. (Tak)

* I joined ULVAC 26 years ago after having worked for the Sankei Shimbun. I have been working on the ULVAC Magazine ever since, starting with the very first issue. Back then the unprecedentedly high publishing cost of 4 million yen was a source of constant criticism from other divisions. Thanks largely to the support and vision of then president and still great friend of ULVAC, Dr. Chikara Hayashi, we were able to continue publishing the magazine. We also owe our 26 years of uninterrupted publishing to Adopa Corporation president, Takayasu Sakai, who has given us his unyielding support since the launch of the magazine. My days at ULVAC will come to an end this March 2009. This issue's Executive Guest featuring Shigeaki Kameda, president of Showa Shell Solar K.K., was my last piece. As planned, the interview conducted by ULVAC president, Hidenori Suwa, was smooth sailing all the way just like the new partnership between ULVAC and Showa Shell Solar for the joint development of CIS solar cells. I believe that the interview session provided a great opportunity to make our ties with Showa Shell even stronger. If there was one moment during all my years at ULVAC that outshined all the rest, I would have to say it was my appointment as a special public officer by the Ministry of Foreign Affairs. As a representative of the Japanese government I participated in the annual COCOM (Coordinating Committee on Multilateral Export Controls) meetings held in Paris each February as the deputy general manager of the Sales Division and the general manager of the Marketing Division. I can still recall focusing every ounce of my faculties on discussions that were conducted strictly in English and French. I did everything I possibly could to make the most of that week-long meeting every time I participated. I will continue to do my best to keep that can-do spirit alive. (Yo)

* The world is changing at a dramatic speed. Sometimes I feel like I'm being left behind. I learned from the interview with Showa Shell Solar president that the world is making a major shift from the mass consumption to conservation of energy. I also learned that on the heels of the recent financial crisis there have been some behind the scenes activities directed toward change both in Europe and in Japan. In this changing world, the mission of ULVAC Magazine is to provide information on new and promising business and technological developments in light of the vital role it plays in the business community. (Sa)

* I had the pleasure of interviewing Dr. Akio Suzuki of Osaka Sangyo University for this issue. It was such an amazing experience that I am unable to find the words to express my feelings. It was an encounter full of wonderful surprises from the moment I stepped into his office. It was truly amazing. During my career as an ULVAC Magazine editor, I have met a number of college professors throughout Japan, but I have never come away from any interview feeling the way I did after meeting Dr. Suzuki and probably never will again. If you want to know what it's like, you'll just have to make an appointment to actually see him yourself. Dr. Suzuki's pursuit for technological achievements that minimize the use of rare metals holds the key to Japan's future. I wish him all the best with his future research endeavors. (Ya)

* I can't believe it's been seven years since I became an ULVAC Magazine editor. Tempest fugit. A close colleague of mine in the editor's room is retiring this March. We have always worked together and I have learned a lot from him over the years. He has been a great mentor to me. When I was younger, I used to always cry whenever I had to say goodbye to friends who moved away or who were graduating and moving on. Just like when I was a child, I think I'm going cry when I have to say goodbye to him. It's a tough world out there, but all of us on the editorial team will keep our chins up. (Tat)