

ULVAC, Inc.
 ULVAC TECHNO, Ltd.
 ULVAC KYUSHU CORPORATION
 ULVAC TOHOKU, Inc.
 ULVAC SEIKI Co., Ltd.
 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.
 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.

WORLDWIDE HOT LINE

2009.1



2009.2

February 18 to 20
Nano Tech 2009
 Tokyo Big Sight, Japan

2009.3

March 4 to 6
Photovoltaic Technology Show 2009
 Munich, Germany

March 11 to 13
FPD EXPO China 2009
 Shanghai International Exhibition Center, China

ULVAC GROUP EXHIBITION SCHEDULE

2009.4



2009.5

May 6 to 8
PV POWER EXPO 2009
 Shanghai, China

May 11 to 15
ACHEMA 2009
 Munich, Germany

2009.6

June 11 to 13
SOLAR Taiwan 2009
 Taipei World Trade Center, Taipei, Taiwan

JANUARY

January 20 to 22
SEMICON Korea 2009
 COEX, CA, Korea

January 20 to 22
SOLARCON Korea 2009
 COEX, CA, Korea

FEBRUARY

February 25 to 27
FC EXPO 2009
 Tokyo Big Sight, Japan

MARCH

March 18 to 20
VACUUM Tech EXPO 2009
 Sokolniki Culture and Exhibition Center,
 Russia

March 17 to 19
SEMICON China 2009
 Shanghai New International Expo
 Centre, China

Contact information : ULVAC CORPORATE CENTER
 TEL: 81-3-5218-6070 Fax: 81-3-5218-6066

APRIL

MAY



May 20 to 22
SEMICON Singapore 2009
 Suntec Singapore International Convention,
 Singapore

May 27 to 29
Inter-SOLAR 2009
 Munich, Germany

JUNE

June 24 to 26
PV Japan 2009
 Tokyo Big Sight, Japan

Editors' Notes

* Ever since I became an ULVAC Magazine editor, I've always wondered how many readers will show an interest in the articles I write or what kind of information they really want. Nothing would make me happier than to help make a brighter future for everyone who reads this magazine. I'm looking forward to receiving requests from lots of readers. (Tak)

* In covering the story for this issue's Enterprise Excellence I was very happy to be given an opportunity to visit the world's leading liquid crystal display (LCD) manufacturer thanks largely to the help of Mr. Takao Ito, manager of the Flat Panel Display Equipment Division 1's Tokyo Office. During my visit to Toshiba Matsushita Display Technology's Ishikawa Works located in Kawakita, Ishikawa Prefecture I was truly impressed by the hospitality shown to me by Mr. Yoshito Kawakyu, general manager of the Ishikawa Works and the other people I met while I was there. The Ishikawa Works produces small and medium sized low temperature polysilicon LCD products for mobile phones, personal computers and car navigation systems. The up-close look at the rapid pace of advancements in technological development of these familiar products was a real eye-opener for me. I was once myself indirectly involved with the joint development of low temperature polysilicon LCD between Toshiba's Fukaya Works and ULVAC's Institute for Super Materials while I was an assistant general manager of the Corporate Sales Division at the ULVAC Head Office. As I toured the Ishikawa Works facility it brought back all the trials and tribulations we endured back then as well as memories of the late Yoshifumi Ota, who was then manager (later general manager) of the Institute for Super Materials. It was amazing to finally see ULVAC's large-size SMD Series sputtering and CMD Series chemical vapor deposition systems up and running at the newly renovated second plant and how far we've come. I would like to express my sincere gratitude to everyone at the Ishikawa Works. (Yo)

* During my visit to Shin-Etsu Chemical I learned that it takes an extremely long time before a material can be commercialized. Shin-Etsu's silicone operation, which started out at a much smaller scale than even the Togeno Kamameshi packed lunch stand, gradually grew into a mega business as the years passed by. If a materials manufacturer wants to take a new area of research and turn into a profitable business, they have to make sure that it has substantial growth potential with a market scale of 10 billion yen or more. Then after the first three to five years they have to take a hard look at the business and finally decide on whether or not it's really worth all the effort. I guess it was their ability to manage this high-wire balancing act that made them such a top-performing materials manufacturer. (Sa)

* It was very rewarding to be able to work on such a timely issue as work being done at the photovoltaic (PV) testing and research facility in Wakkanai. I was able to clearly see how PV power generation is one of the business areas that offer bright prospects for mitigating global warming. People around the world recognize solar power as an important new energy source. In light of this past year, marked by major events like the G8 Hokkaido Toyako Summit and Beijing Olympics, I've come to view the Wakkanai Mega Solar Project as a kind of Olympic initiative. It puts different solar cell manufacturers' distinctive solar cell products to the test under the same exact conditions. Personally, I'm rooting for thin-film and compound solar cells. (Ya)

* We had a really hot summer this year. I can't remember feeling so exhausted from the heat since way back when I was in kindergarten. I felt tired from the moment I woke up in the morning. It was really tough for me to get going in that scorching heat. I hadn't experienced this worn out feeling in a long time and I couldn't find any explanation for it. I learned that, for most adults, summer fatigue is often associated with eating and drinking too much cold food or drink. It wears out your digestive system so that your bodily organs are unable to properly absorb enough nutrition, which makes you feel tired. I was told that it was best to eat hot food, or, if I had something cold, to drink something hot afterwards, and take a hot bath instead of a shower. After trying this for about a week, I felt much better. If you ever find yourself suffering from similar symptoms, try this remedy. It's one sure way to beat the heat (Tat)