

MECHATROLINK News provides members of MMA with the latest information on MECHATROLINK.

### 2009 Annual General Meeting

The next MMA annual general meeting will be held soon. The date, time, and location are shown below. The meeting will be followed by two lectures.

The meeting and lectures are free to all MMA members. We are looking forward to seeing many MMA members there.

**Date: 1:00 p.m. to 4:50 p.m., Wednesday June 24, 2009**

**Participants: MMA members only**

**Place: Mita NN Hall**

**Address: Mita NN Bldg. B1, 4-1-23 Mita, Minato-ku, Tokyo**

**Transportation:**

**5-minute walk from JR Tamachi Station or, Toei Mita line, Mita Station (Exit A9 is directly connected to the building) or, 3-minute walk from Toei Asakusa Line, Mita Station**

#### [Lectures by Special Guests]

The meeting will be followed by the lectures below. We encourage MMA members attend these lectures.

#### “Performance and Subjects for Ultra-Large Glass Substrate Supported Equipment in the ODF (One Drop Filling) Process”

by Mr. Akira Sawamori, General Manager of FPD PV Div. 3, Technology Dept. 2. of ULVAC Inc.

#### “Equipment Simulation and Effective Use of OPC in an FA System”

by Mr. Hisato Yoneda, Manager of Inuyama R & D Center, Tokyo Office of MURATA MACHINERY, Ltd.

#### ●Registration for Participation

All participants are requested to register in advance by sending an email to the MMA stating the company name and names of participants.

### CIMT2009 Participation Report

The MMA participated in CIMT2009, the 11th China International Machine Tool Show, held in Beijing from April 6 - 11 (Mon.-Sat.).

In this exhibition, the MMA focused on products developed by MMA member companies in China. The CNCs, controllers, and servo drives of Syenyang Golding NC Tech, Co., Ltd., Guangzhou LokShun CNC Equipment Ltd., Soft Servo Systems Inc., and Yaskawa Electric Corporation were exhibited.

The products drew the interest of many visitors, and more than 35 companies became new MMA members during the exhibition.

Many visitors also attended the MECHATROLINK seminar, including the lectures by Syenyang Golding NC Tech, Co., Ltd., Guangzhou LokShun CNC Equipment Ltd., and MMA China, organized on April 8 (Wednesday afternoon).

Rapid development of MECHATROLINK in the Chinese market can be expected.

### FINETECH JAPAN Participation Report

The MMA participated in the 19th annual FINETECH JAPAN, held for three days from April 15 - 17 (Wed. - Fri.) at Tokyo Big Sight.

The MMA used the greater part of its booth to demonstrate MECHATROLINK-III and MECHATROLINK- II.

This was the first time the MMA has participated in a FINETECH JAPAN that features flat panel display (FPD) R & D and manufacturing technologies. The MMA booth saw great success in demonstrating the advantages of MECHATROLINK to visitors who were previously unfamiliar with it.



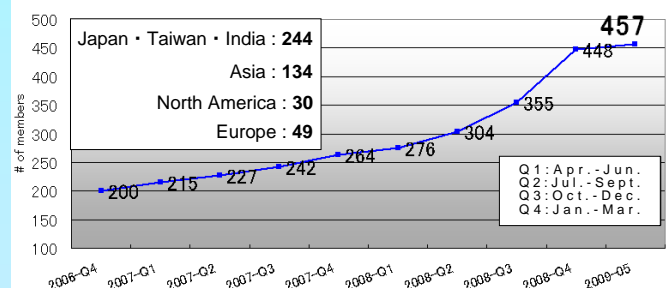
MMA booth



Display by MMA

### Increase in MMA Members

435 companies (Mar. 2009) ⇒ 457 companies (May 2009)  
22 new member companies!

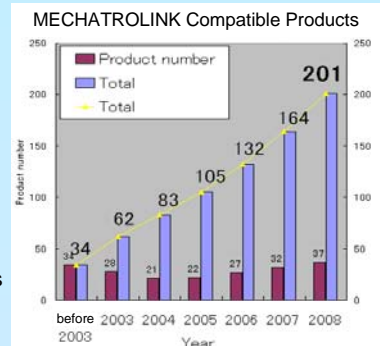


### Increase in MECHATROLINK Products

The total number of MECHATROLINK compatible products is increasing every year:

From 164 in 2007 to 201 in 2008, a total of 37 new products were introduced in one year!

New products will continue to be introduced to the market as MECHATROLINK grows.



## MMA China Branch Report

To better promote the MECHATROLINK motion network in China, the MMA established its China branch office in Shenyang Golding NC Tech. CO., LTD, China, in 2006. This is the fourth branch office of the MMA, joining already established offices in the USA, Germany, and Korea, as well as the MMA head office in Japan.

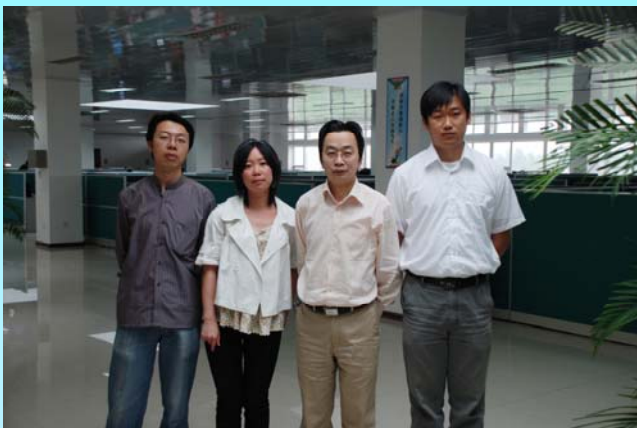
Since our China branch opened, it has been dedicated to the promotion and development of the MECHATROLINK network. We attended the CIMT 2007, EASTPO 2008 and CIMT 2009, among other shows. In these expositions, we exhibited the MECHATROLINK network and our members' corresponding MECHATROLINK-based products. We also expanded the increase the awareness of MECHATROLINK by introducing the new characteristics of MECHATROLINK to customers and by distributing brochures.



Catalog in Chinese

Because MECHATROLINK is an open network, many people want to learn more. As of May 2009, more than **sixty** members have registered in China.

Our members include universities, CNC companies and research institutions, and we are happy to see that the MECHATROLINK family is growing rapidly.



MMA China Staff

There are four employees in the China branch, and each employee has done his or her utmost to promote the MECHATROLINK network.

**Dong Yu** (second from right), China Branch Representative, is in charge of MMA activities in China and communications with Chinese members.

**Fuchang Guo** (far left) is in charge of MECHATROLINK exhibition activities and preparation of MECHATROLINK brochures in China.

**Qian Ding** (second from left) is in charge of MECHATROLINK exhibitions, public relations and acceptance of applications for MMA membership in China.

**Shaohua Du** (far right), provides technical support for MMA activities in China.

At the MMA branch in China, we will continue to perform as welcoming ambassadors for MECHATROLINK.

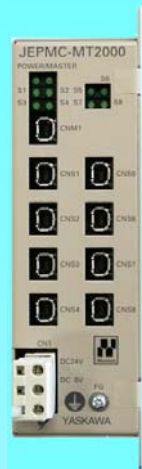
## New MECHATROLINK Products

Here, we introduce one new MECHATROLINK-III compliant product developed by an MMA member.

### Yaskawa Electric Corporation MECHATROLINK-III Network Hub

#### ● M-III Compatible Hub Module *Available Soon!* Model: JEMC-MT2000-E

- Devices can be connected in the same way as with an Ethernet hub.
- Hot swapping is OK.
- Devices can be freely installed and connected through the Hub Module.



Supported protocol: MECHATROLINK-III  
Number of M-III ports (master-side): 1  
Number of M-III ports (slave-side): 8  
Port connectors: Industrial mini connector exclusive for MECHATROLINK-III  
Transmission distance: 75 m max.  
Terminators: Not required  
Indicators: Power ON/OFF, Link status (for each port)  
Dimensions (mm): 105 x 55 x 200 (D x W x H)  
Power supply connector: 24-VDC, 1A  
Connection method between ports: Repeater  
Transmission delay time between ports: 500 ns max.  
Arbitration: FIFO arbitration discipline  
Error when multiple slave-side (lower stream) ports receive data at the same time.

#### Inquiries:

Yaskawa Electric Corporation

Please refer to catalog of MMA products on the MMA website (<http://www.mechatrolink.org>).

## New MMA Members

Autonics Corporation, AVAL Nagasaki Corporation, CADS TECH Inc., CASNUC (Beijing Aerospace Numerical Control System Co., Ltd.), D & S Co., Ltd., ICOM Inc., Keystone Technology Inc., NeoSystem Co., Ltd., NUMCAD Ltd., Quizhong NC Equipment Company Ltd., Servo Dynamics Co., Ltd., The 84 Group, Inc., VISEL snc

(Only those companies that gave us permission for disclosure are listed here.)

## Future Events

June 24: MMA annual general meeting

Aug. 4- 8: Taipei International Automation Technology Exhibition

#### Inquiries

For questions about joining MECHATROLINK Members Association and other inquiries, please contact the MMA.

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Publishing Office: MECHATROLINK Members Association  
480 Kamifujisawa, Iruma, Saitama 358-8555, Japan  
Tel: +81-4-2962-7920, Fax: +81-4-2962-5913  
e-mail: [mma@mechatrolink.org](mailto:mma@mechatrolink.org)  
URL: <http://www.mechatrolink.org/>

Executive Editor: Takeshi Tanaka, General Secretary of MECHATROLINK Members Association