

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

Exhibition at System Control Fair 2009 and SEMICON Japan 2009

The MECHATROLINK Members Association (MMA) will participate in the System Control Fair 2009 at Tokyo Big Sight and SEMICON Japan 2009 at Makuhari Messe.

We will demonstrate the connectivity of member companies' products that are compatible with MECHATROLINK-II and III, as well as introduce new MECHATROLINK-III products. These MECHATROLINK compatible products will be on display, allowing visitors to listen to detailed explanations while looking at the actual product. We are looking forward to seeing you at each exhibition.

System Control Fair 2009 (Tokyo Big Sight)

Nov. 25th (Wed.) to 28th (Sat.), 2009, MMA booth No.:2-23

SEMICON JAPAN 2009 (Makuhari Messe)

Dec. 2nd (Wed.) to 4th (Fri.), 2009, MMA booth No.:4B-501

◆ Participating MMA member companies

- ANYWIRE CORP.
- M-System Co., Ltd.
- ORIENTAL MOTOR Co., Ltd.
- KYOEI ELECTRIC CO., LTD.
- Soft Servo Systems, Inc.
- TIETECH Co., Ltd.
- Digital Electronics Corp.
- TOYO ELECTRIC CORP.
- NIKKIDENSO CO., Ltd.
- Folks, Inc.
- Micronet Co.
- YASKAWA ELECTRIC CORP.
- Yokogawa Electric Corp.

◆ Workshop for Participating Companies

A workshop organized by the MMA will be held at the System Control Fair 2009, to explain the latest MECHATROLINK developments. We look forward to seeing you there.

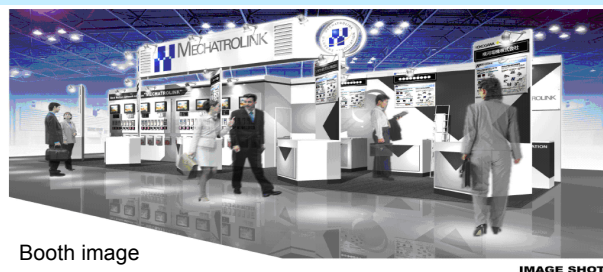
Topic: "Open Networks, Reliability, and the Cost of MECHATROLINK!"

Date: Nov. 26, 2009 (Thu.), 2:00 -3:00 P.M.

Place: Floor A

(See the floor map at the System Control Fair for the location of Floor A)

Participation fee: Free of charge



Booth image

IMAGE SHOT

MMA Shanghai Office Opens

The MECHATROLINK Members Association has been promoting MECHATROLINK in Japan as well as throughout various other countries. We opened our Shanghai office on Oct. 1, 2009 to further promote MECHATROLINK in China.

With two MMA branch offices in the vast nation of China, we can better provide services and promote MECHATROLINK throughout the country. Now, we can respond locally to inquires, and provide product development support as well as technical support.

We seek to provide MMA members with more support than ever.



Shanghai Office

No.18, Xizang Zhong Road, Room 1701, Harbour Ring Plaza, Shanghai 200001, China

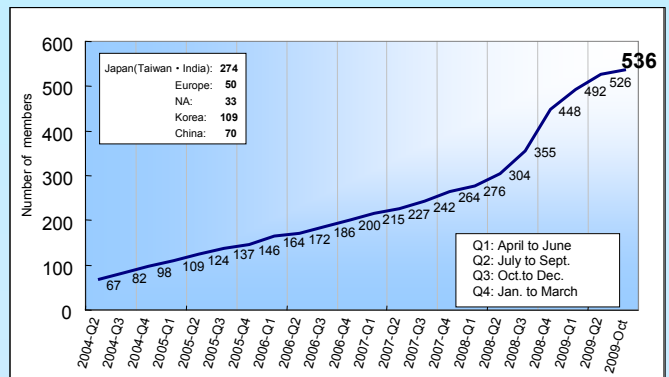
- Tel: +86-21-53852070

- e-mail: mma-sh@mechatrolink.org

Increase in MMA Members

503 companies (July, 2009) ⇒ 536 companies (Oct., 2009)

An increase of 33 companies since the end of July when Vol.15 was issued!



2009 Taipei International Automation Technology Exhibition Report

The MMA participated in the Taipei International Automation Technology Exhibition on Aug. 5th (Wed) - 8th (Sat.) at the Taipei World Trade Center (TWTC) Nangang Exhibition.



The MMA was able to have a presentation with impact, as we shared a large joint booth with Yaskawa Electric Corp..

We held a MECHATROLINK seminar on Aug. 6, 2009. At the seminar, MECHATROLINK engineers were introduced and Taiwanese customers delivered testimonials on its successful use. About 60 people, almost a full house, participated in the seminar.



We demonstrated the operation of member companies' products connected to MECHATROLINK-II or III, and exhibited gantry stages for liner and DD motors which are controlled by MECHATROLINK. We also gave a demonstration of synchronization with MECHATROLINK.



During the exhibition, approximately 1200 people visited our booth and 13 companies joined the MMA.

New MECHATROLINK Products

We introduce two MECHATROLINK compliant products by MMA member companies.

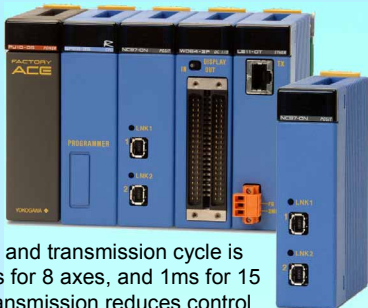
Yokogawa Electric Corporation

Positioning Module (MECHATROLINK-III communication compatible)

Product Type: F3NC97-0N

F3NC97-0N is the positioning module for the range free controller FA-M3R, which is the first MECHATROLINK-III compatible PLC.

- This single slot module can control motors with up to 15 axes. Wiring between controllers and motors can be reduced at low cost.
- Its baud rate is 100Mbps and transmission cycle is 0.25ms for 4 axes, 0.5ms for 8 axes, and 1ms for 15 axes. This high speed transmission reduces control cycle and startup times, making it possible to improve machine control, cut tact time and improve productivity.
- The data of up to 8 axes can be read and displayed simultaneously on the PC screen, allowing you to closely monitor machine operation status.
- The high-speed and high-resolution motor performance can be fully utilized with operational commands transmitted by communication. This enables high-speeds and high-precision positioning.



Inquires:

Yokogawa Electric Corporation
Open Solution Sales Dept., Industrial Automation Business Headquarters

9-32 Nakamachi 2-Chome, Musashino, Tokyo 180-8750
TEL: (0422) 52-6248 FAX: (0422) 52-6185
E-mail: plc_message@csv.yokogawa.co.jp
URL: <http://www.fa-m3.com/jp/>

Yaskawa Electric Corporation

High-Speed Motion Controller (MECHATROLINK-III compatible)

Type: MP2101T

Features:

- This high-speed and high performance motion controller has been realized with an open network environment.
- Easy to set up with personal computers.
- High expandability in communications, and an I/O that cannot be matched by conventional board controllers.
- Together with the highest performance servomotors, it can support a variety of actuators.
- Systems can be modified easily by using applications.
- Provides an integrated engineering environment.
- High-speed, multi-axis control and high-precision can be easily realized.
- Flexible connections.
- Easy setup with self-configuration.

Specifications

Max. connectable

slave stations : 21 stations (servomotors, 16 axes)/1ms, 14 stations (servomotors, 14 axes)/500μs

88 stations (servomotors, 8 axes)/250μs, 4 stations (servomotor, 4 axes)/125μs

Baud rate : 100Mbps

Transmission cycles: 125μs, 250μs, 500μs, 1ms

Transmission bytes : 16, 32, 48, and 64 bytes mixed

Type of connection : Cascade and star

Scheduled to be released on

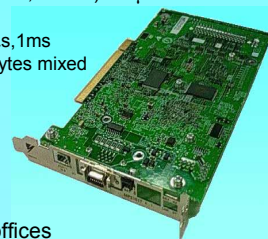
Nov. 10, 2009.

Inquires:

Yaskawa Electric Corporation

Inquires are handled by different offices

depending on your area. Please refer to MECHATROLINK Products of the MMA Members Brochure on the MMA website (<http://www.mechatrolink.org>)



New MMA Members

Kokusai Electronics,TECH

SUEMATSUKYUKI (SHANGHAI) CO.LTD

Act Technologies Corp. (Ningbo, China), ADLINK Tech., Art Control Systems, Inc., Cermate Technologies Inc., DELTA ELECTRONICS, INC., HOPEWIN INDUSTRIAL CO., LTD., Machine Drive Company, NINEBELL, SERVO DYNAMICS PTE LTD., SHENZHEN HFC TECHNOLOGY CO., LTD., Techsoft Tech Co. LTD., Varedan Technologies, Wuhan Penta Chutian Laser Equipment Co., Ltd,

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

Future Events

Nov.25-28, 2009 : System Control Fair 2009

Dec.2-4, 2009 : SEMICON Japan 2009

Jan.12-14, 2010 : Technology Seminar (China)

Feb.3-5, 2010 : Technology Seminar (Taiwan)

March 3-6, 2010 : AIMEX 2010 (Seoul, Korea)

Inquires:

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

Issued: Nov. 11, 2009

Publishing: MECHATROLINK Members Association

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