

To whom it may concern

Japan Die Casting Association  
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## 2016 Japan Die Casting Congress/Exposition Guide to the Plant Tours

Japan Die Casting Association has planned the following three plant tour courses to be held in conjunction with the 2016 Japan Die Casting Congress/Exposition. Please participate in these tours.

### Particulars

#### 1. Schedule and tour course

Dates	Course name	Factories toured	Departure time departure	Scheduled tour period	Scheduled breakup time	Group size
Nov. 23 (Wednesday)	[1] Chuwo course	MINO Industry Co., Ltd. NOMURA UNISON Co., Ltd.	8:30	10:00~11:30 13:30~15:00	18:30	30
Nov. 23 (Wednesday)	[2] Kan-etsu course	ALcast, Ltd. (Hitachi Metals) MINO Industry Tochigi Co., Ltd.	10:00	10:00~11:30 14:00~15:30	19:00	30
Nov. 23 (Wednesday)	[3] Tomei course	YAMAHA MOTOR CO., Ltd. RYOBI Ltd.	7:00	10:30~12:00 13:40~15:10	17:30	30

\* Please understand that we will not return the fee, even if we are forced to reduce the number of factories visited because of traffic conditions etc.

\* The participation fee will not change, but please ask us in advance about assembling at or breaking up at a destination.

\* Please understand that a plant which we plan to tour may refuse permission for the tour.

\* We ask the agreement of Plant tours to at the time of application, please send it with an application.

\* Prohibited any photograph, video tape recording, and transcription during plant tour. Please note.

#### 2. Means of transportation: rented busses

#### 3. Assembly/breakup locations

[1] Chuwo Course: Assembly: JR Nagoya station → Breakup: JR Sakuragi-cho station

[2] Kan-etsu Course: Assembly/ Breakup: JR Sakuragi-cho station

[3] Tomei Course: Assembly/ Breakup: JR Sakuragi-cho station

(Details concerning assembly locations will be provided in your reservation confirmation document.)

4. Assembly: 30 people for each course (Up to 3 people from each company may participate in each course.)

(Note: A course will be cancelled if fewer than 20 people register to participate.)

**\* If one of the company's which you tour requests a tour of or visit to your plant in the future (a counter-visit), please deal with the request appropriately.**

5. Application deadline: **October 20 (Thursday)**. When 30 people have registered, registration stops.

(Sequence in which applications arrive by fax).

#### 6. Participation fee (includes bus fare, box lunch and consumption tax)

[1] Chuwo course	¥54,000
[2] Kan-etsu course	¥34,560
[3] Tomei course	¥38,880

7. Application method: Please fill in the attached application form and send it only by FAX.

When reception has been completed, we will send you a reservation confirmation document by FAX. After you receive the document, please forward the participation fee.

**Applications and inquiries:** **Kinki-Nippon Tourist**, **KNT BUSINESS CREATE CO., LTD**

Die Cast Desk: Saito, Asagi

FAX: 81-3-6730-3230

Recipient of participation fee: Sumitomo Mitsui Bank, Hibiya Branch, Futsu 7806186, Name: sha)

Nihon Daikasuto Kyokai (シャ) ニホンダイカストキョウカイ)

※We request that your company pay the forwarding fee.

\* If you require an invoice, please choose "Need" on the application form.

\* We will prepare a list of participants, so if there is any change of participants after you have made your application, please notify us in advance.

\* Please understand that we cannot accept a cancellation after your application.

#### 8. Outline of the factory tours

##### [1] Chuwo Course, November 23 (Wednesday)

Company name, factory name and address	MINO Industry Co., Ltd., Sakamoto plant 1646-51 Nasubigawa Nakatsugawa city, Gifu prefecture
Alloys used (most to least)	ADC12, ADC3, ADC1, DM2
Die cast machines	Cold chamber: Max. 850t, Total 52 machines; Hot chamber: no machine
Characteristics of the factory	Die castings for car electronic machine, electric machinery equipment, a safe control system, information machinery, a power train component and industrial equipment are developed, designed and produced. Especially this company has the largest market share of car electronic machine case in the world. Quality and cost saving requested by customers are achieved with the technology of thin wall casting and down-sizing of die cast machines. The production efficiency is being improved with automation and a consistent manufacturing technique based on just-in-time policy. Also global development is being planned at the same time.

Company name, factory name and address	NOMURA UNISON Co., Ltd., Kohigashi plant 6066 Kohigashi Chino city, Nagano prefecture
Alloys used	ADC12, special alloys, ZDC2
Die cast machines	Cold chamber: Max. 350t, Total 10 machines; Hot chamber: Max. 25t, Total 2 machines
Characteristics of the factory	From its foundation, this company has tradition and results which correspond to a continuous production line of design, mold making, casting and machining, and flexible supply for shorter due date requested by customers. It manufactures many kinds of die castings for automobile parts, gas appliance, valve related products and so on including castings made of very special alloy for vehicles. Manufacturing equipment is designed and made by itself, and productivity improvement by automation is being advanced in recent years.

##### [2] Kan-etsu Course, November 23 (Wednesday)

Company name, factory name and address	ALcast, Ltd. (located in the Kumagaya factory of Hitachi Metals) 5200 Mikajiri Kumagaya city, Saitama prefecture
Alloys used	ADC12
Die cast machines	Cold chamber: Max. 2,500t, Total 7 machines; Hot chamber: no machine
Characteristics of the factory	This company stably produces engine parts used for automobiles and trucks as highly dependable parts, chassis parts, double-structure materials for building construction, named Free Access Floors, and so on with vacuum die casting technic, named HIVAC process.

Company name, factory name and address	MINO Industry Tochigi Co., Ltd., Oyama plant 129-2 Inuzuka Oyama city, Tochigi prefecture
Alloys used	ADC12
Die cast machines	Cold chamber: Max. 3,550t, Total 11 machines; Hot chamber: no machine
Characteristics of the factory	This company has various die cast machines from 800 to 3,550ton of cramping force, and is supplying pars to not only automobile market but also others, mainly larger size products. After it joined MINO industry group in 2013, it has initiated further reformation.

3] Tomei Course, November 23 (Wednesday)

Company name, factory name and address	YAMAHA MOTOR CO., Ltd., Iwata-Minami plant 800 Tenryu Iwata city, Shizuoka prefecture
Alloys used	Special alloys for outboards
Die cast machines	Cold chamber: Max. 3,500t, Total 5 machines; Hot chamber: no machine
Characteristics of the factory	This plant produces die castings for outboard engine and exterior parts. It achieves to wipe out folk-lifts with introducing revolutionary automated transportation system. Besides, you can see low pressure casting and gravity casting processes making cylinder-heads in this plant.

Company name, factory name and address	Ryobi Ltd., Shizuoka plant 5215-1 Kanbara Shimizu-ku Shizuoka city, Shizuoka prefecture
Alloys used	ADC12
Die cast machines	Cold chamber: Max 3500t, Total 33 machines; Hot chamber: no machine
Characteristics of the factory	As a production base of aluminum die-castings for Tokai and Kanto market, Shizuoka plant started operations in September 1962. Now it has 33 units of die-casting machine from 350 to 3500ton to meet a wide range of demands of customers. Especially, the number of machines over 3,000ton is five, which contribute to make larger die castings mainly for automobiles. In addition, there is a machining plant for automobile parts to satisfy the quality and short due date requested by customers.