

# T-n e w s

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2016 Winter

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# Best Wishes for the New Year

I would like to send you our wishes for a prosperous and happy New Year.

Last year, our sales remained robust, making it possible for us to establish a framework for increased production and actively invest in equipment. This is entirely because of the support our customers and business partners have given us and I'd like to take this opportunity to express my sincerest gratitude to all of you.

This year, our very first overseas affiliate, TAKAMATSU MACHINERY USA Inc. (TMU), is celebrating its 20th anniversary. The experience we gained in America enabled the subsequent expansion of our business into Germany, China, Thailand, and Indonesia. With our plans to expand business operations into Mexico and Vietnam this year, we will be working vigorously to further globalize our company.

Our long-standing belief has not changed since our establishment: "We provide our customers with profit making machines." Our mission is to ensure that the machines we deliver to customers operate steadily and enable customers to make profits. To this end, we are determined to meet expectations by constantly developing new technologies, providing new services, and enhancing our sales structure.

Last but not least, I wish you good health and success in this New Year and always.

President  
Kiyoshi Takamatsu



The office building of TAKAMATSU MACHINERY USA Inc. (TMU) is located in a suburb of Chicago, U.S.A. As the first overseas affiliate of TAKAMAZ, the company was locally incorporated in February 1996 and is celebrating its 20th anniversary this year. This is entirely the fruit of the support given to us, not only by our customers in North America, but also by our customers in many other countries to which we are all deeply grateful.

At the time TMU was established, the TAKAMAZ brand was hardly known in North America. The company started out from a small office; the few expatriates traveled to and fro throughout the country to find dealer partners and to acquire users. However, profitability proved to be a difficult goal and required numerous trials and errors.

Sales activities included active participation in various exhibitions large and small such as the International Manufacturing Technology Show (IMTS), one of the world's four largest machine tool exhibitions, and EASTEC, an exhibition dedicated to machine tools and industrial tools held in Massachusetts. Since around that time, TMU staff began to execute sales activities with focus on presenting proposals that incorporate TAKAMAZ's strong points: automated systems and equipment with custom specifications. Presumably due to such efforts over several years, customers in America finally began to embrace our products.

The 2000s brought about many tough times including the terrorist attacks of September 11th, 2001, the subprime mortgage crisis of 2007, the global recession following the collapse of Lehman Brothers, and the rise in the value of the yen. However, TMU increased the number of its staff members, steadily popularized the TAKAMAZ brand, and provided many profit making machines to the North American market.

Furthermore, we have been expanding our scope of operation by opening a new office in a suburb of Cincinnati, Ohio in 2008



TMU's office building in suburban Chicago



Show room inside TMU

and another new office in a suburb of Greenville, South Carolina last year.

Aiming at increasing TAKAMAZ supporters, we will continuously attempt to enter new markets of various regions while providing support services to our existing customers.

At present, the TMU Head Office is situated in a suburb of Chicago with staff comprising two expatriates and six local employees, all who work with vigor daily. We are very proud that we have many repeat customers who are satisfied with their decision to adopt TAKAMAZ equipment, and that our experienced sales staff and service engineers have been instrumental in this success.

Along with our plan to hold a private show in commemoration of the 20th anniversary, we will make every effort throughout this year to enhance our position as a leading manufacturer in terms of popularity, technology, and performance. We look forward to continue serving our customers and working together with our partners for many more years to come.



Our booth at IMTS, a machine tool exhibition held in Chicago

Vice President, TMU  
Akinobu Honda







# This year we will propose an even fuller lineup

## Full Line Up

\*Some photos show machines with special specifications.

### Xseries

1-spindle 1-turret



This is a 6-inch machine that carries the DNA makeup of the TAKAMAZ X-10 model. For a machine with an automation loader, it is characterized by its space-saving design without sacrificing floor space.

**XC-100**



The top of the line, 6-inch general-purpose lathe with a wealth of option specifications, such as tailstock and milling specifications, that carries the DNA makeup of the TAKAMAZ X-10 model.

**XL-100**



### XDseries

2-spindle 1-slide



A cutting-edge design aiming for a zero sec loading time as a nonstop cutting machine.

This is equipped with two high-precision collets made by TAKAMAZ. The tool slide can be selected from a Gang type and turret type, and it is possible to achieve high-efficiency production states.

**XD-8(t) / PLUS**



This is a 6-inch chuck lathe that uses a structure with two spindles and one turret, and has a rich history of achieving zero loading time.

**XD-10i**



### XWseries

2-spindle 2-slide



Simultaneous double-side machining and single-process machining collected together within a single unit for complete finishing process. The functions of two units within the space of a single unit.

This is a 6-inch, 2-spindle machine with power tools. A single-tool drive system is used for power tools, which improves the transmission efficiency and enhances the machining capacity. Up to 20 power tools can be mounted, broadening the range of machining possibilities.

**XW-60M**



NEW



This is a 6-inch spindle, parallel-type 2-spindle lathe. As a mid size machine, it is suited for a wide range of production forms. The newly equipped 3-axis high-speed loader achieves a transfer system optimal for the machine, thereby contributing to cycle time reduction.

**XW-60**



6 Inchx2

This is a 2-spindle lathe that corresponds to a 4-inch shaft, the same machine space as our well-regarded XW-30. Compared to the previous version of this machine, the high-speed loader has been improved, shortening the cycle time, and making possible the mounting of an optional hydraulic cylinder.

**XW-30 / PLUS**



4 Inchx2

This is equipped with an ultra-fast loader. The two second loading time is the top class in the world.

**XW-30**



3 Inch(Air)x2

Our accumulated production count is a proof of reliability. This is TAKAMAZ standard that has evolved as single lathes.

8 inch class, achieving heavy cutting + a variety of compound machining for long shaft work to a maximum of  $\phi 340$ mm, and 720mm maximum length. In addition, a 10-inch chuck, sub-spindle, and tail stock can be mounted as options.

**XL-200**



8 Inch(10 Inch)

Mounted with a 5-inch sub-spindle, it is suitable for a wide range of automated production needs, from bar work to chuck work.

**X-120**



Main:6 Inch Sub:5 Inch

Greatly contributes to the shortening of tact times through simultaneous machining with twin slides, and achieves long-dimension work compatibility through a servo tail, high operability with a 370mm shaft approach, and high productivity.

**X-S700**



8 Inch(10 Inch)



### Display of Main Attachments



Number of turret stations



Gang type



Y-Axis control



Spindle C-Axis Indexing



Spindle indexing (Electric/Mechanical)



Power tools



Sub-spindle



Tailstock



CE type



Environment friendly design\*  
\*Environment friendly products that include energy-saving features, compact design, oil-free structure, and the like.

### XYseries

Multi-turning



2 spindle and 2 turret are able to cast off processing methods with ease. Compound machining available with short cycle time.

This is a 6-inch class machine that can be loaded with sub-spindle, power tools, Y-axis controls, and even sub-turret, achieving compound product machining.

**XY-120 / PLUS**



Capable of bar work up to Max.  $\phi 65$ mm and of performing compound machining driving 24 power tools with combined #1 and #2 turrets.

**XY-2000 / PLUS**



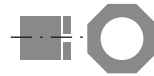
#1-2 spindle:8 Inch



Main:6 Inch Sub:5 Inch

### Skiving Machine

1-spindle 1-turret



This machine specializes in skiving, which achieves a high quality surface finish. The benefits of both cycle time reduction and machine integration can be attained by eliminating the grinding process with this innovative machine. Machine rigidity is heightened to enable skiving, and parts up to  $\phi 180$  mm in size and 370 mm in length can be machined.

NEW

Limited exclusively to domestic sales in Japan



8 Inch



### XGseries

1-spindle 1-slide



A high-quality compact machine designed for precision turning and ease-of-use.

NEW

New Machine:  
Gang Tooling Lathe  
**XG-4**



4 Inch



### GSLseries

1-spindle 1-turret



Simple machine that focuses on cost performance as well as ease of use.

This is a 6-inch machine pursuing the ultimate in cost performance. Its compact design takes up little floor space, with a machine width of 1,400mm and depth of 1,250mm. It combines a "practicality" and "durability" that can be used with confidence, even overseas.

**GSL-10**



6 Inch



This is a simple machine specifically for 8-inch manual machines.

**GSL-15**



8 Inch

### USLseries

1-spindle 1-slide



This is a super-slim lathe with a machine width of 480mm. It can be effectively used with 1/3 of the space of conventional machines.

**USL-480**



### WAVEseries

1-spindle 1-slide



This is a Gang type general purpose lathe. It is a suitable unit for short tact machining.

**J-WAVE**



### TURNseries

1-spindle 1-slide



This uses a Gang type table structure and has the flexibility to mount a grinding unit.

**TOP-TURN II**



6 Inch(8 Inch)



TAKAMAZ sells MECTRON INC. and Fair Friend Group (FFG) products, as well as products of 32 brands from around the world. Please feel free to contact your nearest TAKAMAZ office for more information.

[Manufacturers We Carry]

·FEELER (Taiwan) ·MECTRON INC. (Japan)  
·LEADWELL (Taiwan) ·Ikegai Corp (Japan)  
·ECOCA (Taiwan) ·VDF BOEHRINGER (Germany)  
...and many more

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TAKAMAZ EMAG deals with all EMAG products from Germany. Please feel free to contact us if you have any questions.

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## User Report

# Complete Satisfaction: Quality and Speed of Machining Complex Geometries and Service Support System

President  
Mr. Kazuo Sakaki



KYORITSU KIDEN FUJI (THAILAND) CO., LTD. (KKFT) is a joint venture of KYORITSU KIDEN CO., LTD. and FUJI SEIKI Co., Ltd.; the company operates a production plant in Thailand and continues to provide products of the world's best standard to the global market. In this issue, we asked the President of KKFT, Mr. Kazuo Sakaki, about TAKAMAZ products.

### Please tell us about KKFT.

KKFT was established in 1995 at the Amata Nakorn Industrial Estate in Chonburi Province located about 60 km southeast of Bangkok. Since our establishment, we have been machining sintered metals for electrical components including parts for automobiles, motorcycles, and home appliances. Together with our approximately 260 local employees, we have been striving to ensure safety and improve quality. Our unchanging motto, "The Customer Always Comes First" has also helped to improve our company image, and I believe that we have now earned a strong reputation in Thailand as well as other countries.



A TAKAMAZ XW-130 2-spindle machine working in Thailand



The production plant lines are incredibly tidy due to automation

### Why did you choose TAKAMAZ products?

The first TAKAMAZ machines we bought were 13 single-purpose lathes for machining valve guides for motorcycles. That was about 20 years ago, just shortly after the company was established, and those machines are still in action today. With the increase in demand for parts requiring machining with lathes, we decided to use TAKAMAZ CNC lathes based on the performance of the earlier single-purpose lathes. Currently, we have 69 TAKAMAZ CNC lathes running. From around 2010, orders for car sprockets started to increase with far more rigorous accuracy requirements. Since then, in order to enhance production efficiency, reduce manpower, and achieve stable quality, we started to adopt loader equipped automated machines; we have purchased 11 units so far. As we had become fully experienced with chuck specifications and cutting conditions with the manual machines, we were able to operate the new machines without any difficulty. The automated machines have enabled us to machine products of complex geometries, as well as those which required high precision, in large amounts. Since then, we have been facilitating full-scale automation of our plant.

### What is your impression on TAKAMAZ sales and service staff?

We are satisfied because all TAKAMAZ salespersons have technological competence and provide us with appropriate services upon request. When adopting new machines, we are given on-site support from machine start-up to various services. It seems that many other manufacturers separate sales and servicing, so we are deeply satisfied with your support and maintenance services.

### Do you have any requests or expectations for TAKAMAZ?

We are now working on ensuring a high level of safety and quality, as well as reducing delivery time and costs. We are also feeling the need to unify the Thai staff and Japanese staff. We believe TAKAMAZ products will help us to overcome these challenges. Specifically, we're looking forward to a loader equipped automated machine which achieves both downsizing and cost reduction.

#### [Comment from Sales Representative]

It makes us proud to see such a great number of TAKAMAZ machines running in such a large-scale plant with 260 local workers. We will continue to strive to provide speedy services and contribute to your company's growth.

TAKAMATSU MACHINERY (THAILAND) CO.,LTD. Jun Nakagawa



Establishment:1995

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## Topics

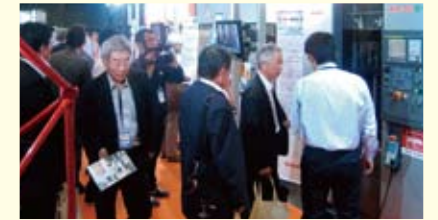
# Exhibit at MECT 2015

MECT (Mechatronics Technology Japan) 2015 was held in Nagoya City for four days last year from October 21st to 24th at the Nagoya International Exhibition Hall Port Messe Nagoya. At our booth, we exhibited two new products, the Skiving Machine and XG-4, as well as two 2-spindle machines, XW-30PLUS and XW-60M.

In particular, the Skiving Machine, which we gave demonstrations with, drew great interest from visitors and we received many inquiries. In total, we obtained orders for 52 units at the bustling city of Nagoya, and were able to promote our products in a way that will lead to future orders. We would like to thank all the visitors who took the time to come to our booth.



Visitors intently listening to the explanation of skiving



The venue which received a great number of visitors throughout the four days of the event

## Exhibit at EMO 2015 (Italy), the International Machine Tool Tradeshow Held by CECIMO

The EMO 2015, the International Machine Tool Tradeshow organized by the European Association of the Machine Tool Industries, was held in Milan, Italy for six days last year from October 5th to 10th. The TAKAMAZ booth promoted 6 machines such as the 8-inch XW-130M and 4-inch XW-30PLUS, which are 2-spindle machines that are receiving increased demand in Europe as well, and linked machines. We will continue to pay close attention to the trends in Europe and implement aggressive sales activities.



Promoting our products at an international tradeshow that attracts global attention

## TAKAMATSU MACHINERY USA Inc. (TMU) Opens a New Office

Our U.S. affiliate based in Chicago and Cincinnati, TAKAMATSU MACHINERY USA Inc. (TMU), has opened a new office in Greenville, South Carolina.

Operations at the new office started in October 2015 and the staff members are working hard to expand sales channels in America. As always, please feel free to contact us with your questions and/or requests about our products.



The ceremonial tape cut

TMU's Greenville Office  
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## Employee Introduction

Let's introduce some employees working at TAKAMAZ.



TAKAMATSU MACHINERY (THAILAND) CO.,LTD.

**Kazuki Matoba**  
(Joined the company in 1996)

I am in charge of service activities at the affiliate company in Thailand. Leveraging the experience I gained at the Production Department, I make proposals to customers based on various viewpoints. I am especially good at cutting and setup. Whenever I manage to solve a difficult problem and receive my customers' thanks, I feel proud about this job. I hope to engage in sales activities in the future, and will continue to endeavor to make our customers smile.



PT.TAKAMAZ INDONESIA

**Ratih Kustiani**  
(Joined the company in 2014)

I studied Japanese in college, and at present, I am in charge of general affairs and accounting. I hope to contribute in making TAKAMAZ one of the largest companies in Indonesia. Since I've started working, time has become precious. On weekends, I spend time with my children such as by telling them fairy tales that I've created myself. Indonesia has unique traditions that differ by region. I hope you will visit Indonesia and enjoy unique Indonesian experiences that are not available in Japan.



## Local Area Introduction

# Osaka Branch

Osaka

Happy  
New  
Year!

Navigator

Osaka Branch  
Yasuaki Okada



The main tower (tenshukaku) of Osaka Castle  
Photo by : Osaka Convention & Tourism Bureau

Following the establishment of Osaka Castle by Hideyoshi Toyotomi in the 16th century, Osaka developed as the political and economic center of Japan. The city is also famous for its description as "the town where you eat till you drop" and as "the kitchen of the nation." There is a flourishing food culture mainly involving flour-based foods called konamon, and the city is always bustling with activity. I feel that Osaka and its people are upbeat and peppy. Even people that don't look it will pull jokes with a straight face, which makes me sweat time to time. Well situated for accessing Kobe, Kyoto, and Nara; it is the perfect place for those who want to spend their time actively.

## Recommended Event

# Toka Ebisu Festival



Photo by : Osaka Convention & Tourism Bureau

This festival is held annually from January 9th to 11th at the Imamiya Ebisu Shrine, which enshrines the god of business Ebisu, and therefore regarded for commercial prosperity. Very much Osaka style, this festival is called by the god's nickname, "Ebessan." For the people of Osaka, the new year probably won't start until they hear the festival's famous chant, "Syobai hanjo de sasa motte koii (Bring bamboo grass for business prosperity!)"

## Recommended Eats

# Abeno Takoyaki Yamachan's Takoyaki ("octopus snacks")



Loved by in-the-know foodies, this locally famous takoyaki joint operates several outlets in Osaka. Only experienced and skilled cooks make takoyaki here, and the taste is unforgettable; the outer crust is thin and crispy while the inside is extra creamy and soft. According to foodies, this takoyaki is best without any sauce so you can enjoy the flavor of the soup stock.

# TAKAMAZ

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## Famous Car Collection

Mercedes-Benz 300 SL



Built by the German automobile manufacturer Daimler, this two-seater sports coupé has distinctive gull-wing doors which reduce the vehicle's weight while enhancing its strength. It was the very first model of the Mercedes-Benz SL-Class line-up, as well as the world's first car with a gasoline direct injection engine. In Japan, this sports car became famous as it was loved by the influential professional wrestler Rikidozan and actor Yujiro Ishihara. The vehicle in the picture was made in 1955 with a 2,996 cc SOHC water-cooled straight-six engine. The maximum power is 240 PS and it boasts a top speed of 260 km.

Photography by : Motorcar Museum of Japan  
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