

# T-n e w s

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2019 Winter

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## New Year's Message

Happy New Year!  
I wish you all safe passage into the coming year.

Last year the will to invest in plant and machinery in manufacturing industry within Japan in particular did not wane despite a feeling of uncertainty about the economic outlook due to the influence of the trade friction between the United States and China and other factors. Looking at our company in the machine tool field, we are making steady progress both in Japan and overseas as ever, and this is primarily due to everyone's loyal patronage over the years.

On the production front we are increasing production capacity as much as possible to deal with expansion in demand, but production is still not keeping pace for reasons including the fact that supply of main components is unstable. We apologize for the inconvenience and we are working to establish a production system that can cope better with customer requirements.

Last year TAKAMAZ celebrated its 70th anniversary and we held a private show in Ishikawa where we introduced three new models and IoT systems that help to increase productivity, among other things. We continue to work on new technology with IoT at the head of the list, and would like to continue to offer products that can help with the adoption of unmanned operations and automation at customers' production sites.

Meanwhile, looking overseas, we are considering further expansion into Southeast Asia and Central/South America while keeping a focus on the United States and Thailand where we already have a track record, and would like to link this to offering products that are matched to the culture and needs in each country and expanding our market share. In closing, I would like to offer my greetings for the New Year, while praying for your good health, prosperity and continued development.



President  
Soichiro Takamatsu



# This year we will propose an even fuller lineup

Full Line Up

\*Some photos show machines with special specifications.

### Display of Main Attachments



## X series 1-spindle 1-turret

### XT-6M <The successor to XL-100>

Capable of mounting six power tools. Side boring, keyway grooving and other compound processes can be performed on workpieces up to 240 mm long by efficiently integrating processes.



### XT-6 <The successor to XL-100>

Shortens cycle times by increasing rapid traverse speeds (X axis: 18 m/min, Z axis 24 m/min). In addition to the  $\Sigma$  loader, the new-type FC loader that emphasizes operability and high speed can be selected. A touchscreen (option) for improved operability is also installed, while IoT technology that promotes "visualization" can also be supported.



### XL-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-200

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 tailstock can be mounted as options.



8 Inch (10 Inch)

### X-120

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



Main: 6 Inch Sub: 5 Inch

### XTT-500M

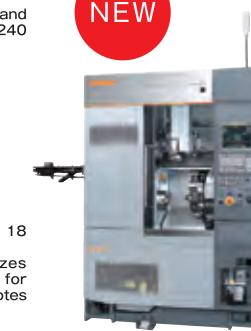
This is a compound precision lathe featuring power tools on upper/lower twin turrets as standard. A total of eight power tools can be mounted on the upper and lower turrets, expanding the range of machining. Workpieces with a turning diameter of up to  $\phi 210$  mm and length of up to 400 mm can be handled.



8 Inch

Best-selling machines that have built up an extensive track record. The standards of an evolving TAKAMAZ.

NEW



### XC-100

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.



6 Inch



### XC-150

This is an 8-inch class general-purpose lathe. Its 1.85 m<sup>2</sup> floor space achieves the same level as previous 6-inch class machines. It is characterized by an angled slide construction and high rigidity.



8 Inch



### XL-150

Starting with the highest in the 8-inch class  $\phi 20$ mm milling capability, this machine has the advantage of increased shaft size and increased power capable to shorten cycle times.

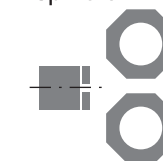


8 Inch (10 Inch)



### Shaft Cutting Machine

#### 1-spindle 2-turret



### X-S700

Greatly helps to shorten takt times through simultaneous turning with twin turrets, and supports long workpieces with the servo-driven tailstock. Also improves operability with an approach distance to the spindle of 370 mm.



8 Inch (10 Inch)



### XTT-500

An 8-inch, twin turrets machine specializing in 450mm size shaft machining. Holds a high rigidity capable of heavy duty cutting and maintaining accuracy for an extended period of time. Various options are also available including a tailstock and a steady rest unit.



8 Inch (10 Inch)





## XD series

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

2-spindle 1-slide



### XD-8(t) PLUS

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-10i

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.



## XW series

2-spindle 2-slide



### XW-30 PLUS

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.



4 Inchx2

### XW-30

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



3 Inch(Air)x2

### XW-60M

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.



6 Inchx2

### XW-60

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.



6 Inchx2

### XW-130M

This is an 8-inch spindle parallel-type 2-spindle lathe where a maximum of 20 rotary tools can be mounted. A "vibration damping structure" damping vibration and a "headstock cooling mechanism" suppressing part dimensional changes are integrated that is compatible with process integration by compound machining, and pursuing stable finished product machining and mass production.



8 Inchx2

### XW-130

This is an 8-inch spindle parallel-type 2-spindle lathe. The shaft is equipped with a standard 11/7.5kW motor in a  $\phi$  100 bearing, achieving power cutting capacity.



8 Inchx2

### XWT-10

In addition to featuring two 10-station turrets and an expanded tool capacity, the Z axis is lengthened and the largest O.D. turning area in the XW series is secured. The machine can also handle workpieces that require simultaneous machining on inner diameters at depth. High-rigidity linear guides are adopted for each of the slides so that smooth linear motion is obtained even under high load conditions, giving stable machining accuracy.



NEW



10 Inchx2

### XW-200

This is a 10-inch spindle parallel-type 2-spindle lathe that is the top-of-the-line of the XW series machines. The cutting capacity has been increased to about 3x over the previous machines, yielding powerful cutting capability with high torque even in low-speed range machining such as in large-diameter flange work.



10 Inchx2

## XY series

Multi-turning



### XY-120 PLUS

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.



Main:6 Inch Sub:5 Inch

### XYT-51

Suited to heavy cutting of large bar material, etc., with improved machining capability thanks to increased motor output. Up to 48 turning tools achieved thanks to the turret half-indexing mechanism, and up to 24 rotary tools, can be mounted. In addition, the bolt mounting method (BMT45) that is the new global standard is adopted.



#1-2 spindle:6 Inch

### XY-2000 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.



#1-2 spindle:8 Inch

## GSL series

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

1-spindle 1-turret



### GSL-10H

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 1,610mm and depth of 1,390mm. It combines a "practicality" and "durability" that can be used with confidence, even overseas. (Only the hollow chuck cylinder specifications are available.)



6 Inch



### GSL-15 PLUS

This is an 8-inch lathe in the acclaimed GSL series that realizes excellent cost performance. With more thorough rationalization than previous models, it achieves even greater compactness. In addition to improved operability and maintainability, it is also possible to keep tabs on machine information using IoT.



8 Inch



## Skiving Machine

1-spindle 1-turret



A special machine that expands manufacturing possibilities.

### SKV-8

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.



Limited exclusively to domestic sales in Japan

8 Inch



## USL series

1-spindle 1-slide



### USL-480

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.



3 Inch

## WAVE series

1-spindle 1-slide



### J-WAVE PLUS

A gang type lathe which is a remodeled version of J-WAVE. Highly effective when machining with short takt times.



4 Inch

## TURN series

1-spindle 1-slide



### TOP-TURN II

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



6 Inch (8 Inch)



## XY series

Multi-turning



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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.



#1-2 spindle:8 Inch



TAKAMAZ sells MECTRON INC. and Fair Friend Group (FFG) products, as well as products of 37 brands from around the world. Please feel free to contact your nearest TAKAMAZ office for more information.

[Manufacturers We Carry]  
 -FEELER(Taiwan) -LEADWELL(Taiwan)  
 -ECOCA(Taiwan) -MECTRON INC.(Japan)  
 -Ikegai Corp(Japan) -MAG(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 PROFENDER CO.,LTD.

### Sales of automobile shock absorbers from Thailand worldwide expanding

PROFENDER CO., LTD. was founded in 2006. It is a company that is full of vitality and worthy of attention, having continued to grow by manufacturing specialized parts for pickup trucks, commercial vehicles and four-wheel-drive vehicles, and built a new factory to bolster its production capability.

#### Please tell us what prompted you to introduce TAKAMAZ products.

When I saw manufacturing lines comprising TAKAMAZ products at exhibitions and other companies some time ago, I introduced a second-hand EX-20 that I felt was suited to mass production. The good points about TAKAMAZ products are that they are compact, and that they allow manufacturing lines to be set up using the unique loader system.

#### Please tell us about your products.

We are mainly engaged in the manufacture of shock absorbers for automobiles. Previously we did this as a family business but in 2006 we established PROFENDER. Since establishment we have maintained a business policy of "quality / providing prompt service / developing new products / further internationalization", and we were able to expand our market as a result of dealings with a British company. Currently, we deal with customers in Europe and all over the world, and 70% of our sales are accounted for by overseas customers. From here on we want to develop branches overseas with the aim of providing products and offering service quickly.



Three linked XC-100 units in operation

#### How is the support from the TAKAMAZ sales representatives and service engineers?

The sales staff not only provide us with the information we need, but also make better proposals, which is helpful. And the service engineers give prompt support, so we can rely on them.



Mr. Thongchai Eiamwattanasilp, president, (third from left) and all the staff. At far left is sales representative Sarachai Chanoi of TAKAMATSU MACHINERY (THAILAND) CO., LTD. [TMT : our local subsidiary]

#### What are your expectations of TAKAMAZ from now on?

We expect them to continue developing compact, high-performance machines. Added to that, it would be good if they could propose reasonably-priced production lines with a view to automation.



The company is full of young people and buzzing with activity.



High-quality shock absorbers that the company manufactures.

#### [Comment from Sales Representative]

Thank you very much for your patronage. By continuing the relationship with your company with its high level of technical capability into the future, I believe that TAKAMAZ can improve its standard still further. We will keep working to meet your expectations.

TAKAMATSU MACHINERY (THAILAND) CO., LTD.  
Vice president Eiji Yamashita



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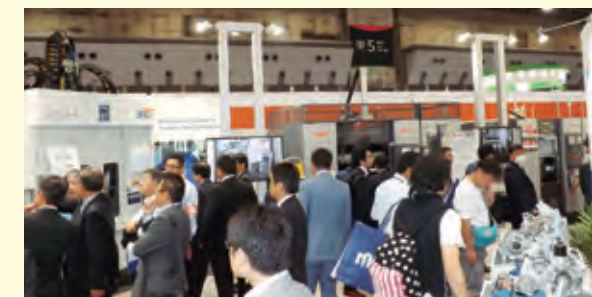


## Exhibiting at JIMTOF 2018



JIMTOF2018 (the 29th Japan International Machine Tool Fair) was staged at the Tokyo Big Sight over six days from November 1, 2018. We exhibited a total of eight machines including three models shown for the first time at JIMTOF - the XT-6, XYT-51 and XWT-10 - and products of affiliated companies, and a large number of visitors saw TAKAMAZ products.

The total number of visitors during JIMTOF was a very successful 150,000, and TAKAMAZ also managed to pick up a lot of orders. We will continue to offer products that make a contribution to our customers' manufacturing. I would like to sincerely thank all those who took time out of their busy schedules to visit the TAKAMAZ booth.



The TAKAMAZ booth crowded with visitors

## Participating in Skills Festival

In October 2018 we participated in the "46th Ishikawa Skills Festival" staged in the Ishikawa Prefectural Industrial Exhibition Hall. The skills Festival aims to instill a tendency of respect for skills widely among the people of the prefecture and raise the status of skilled people, while also helping to promote the industry of Ishikawa Prefecture by working to improve levels of skills. At the event this time we promoted ourselves with exhibits including a panel introducing the craftsmanship of TAKAMAZ employee Yasuo Nadachi, who was selected as the "Contemporary Master Craftsman" for 2017. TAKAMAZ will continue to encourage personnel development and work to ensure we can continue to produce outstanding skilled craftsmen.



Staging exhibits with the focus on craftsmanship to create highly accurate flat surfaces (scraping)



## Information about Moving Office

This is to inform you that in October 2018, the Chicago office of TAKAMATSU MACHINERY USA INC. [TMU: our local subsidiary] was moved to the address indicated below. Taking this as an opportunity, the entire staff will work to raise the service to an even higher level, and we ask for your continued support.



### [CHICAGO HEAD OFFICE]

1280 LANDMEIER ROAD ELK GROVE VILLAGE,  
IL 60007 USA  
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The telephone and fax numbers remain unchanged.

## Employee Introduction

Let's introduce some employees working at TAKAMAZ.



TAKAMATSU MACHINERY  
VIETNAM CO.,LTD. (TMVN)  
President  
Kazuya Yoshimura  
(Joined the company in 1990)

Before the president of TMVN was appointed, I worked in the Overseas Support Section at the head office and provided support for our overseas associated projects and overseas subsidiaries. TMVN undertakes its business with the motto of "taking once-in-a-lifetime opportunities and encounters seriously", and the moments when we receive orders from customers and are thanked after deliveries are the best part of the work. It has been two years since we established a company in Vietnam. We will continue to strive to give importance to customers' opinions in order for the TAKAMAZ brand to achieve greater penetration than it has now.



Japan Sales Department  
Hiroshima Sales Office  
Mika Ikeuchi  
(Joined the company in 2018)

I am responsible for drafting quotations, dealing on the telephone, accounting and so on, in connection with part procurement. I am still learning all kinds of things from everybody about parts and other matter as I am doing my work, but I would like to quickly build my knowledge and learn to work with accuracy and speed. I will keep honing my abilities while also recharging at my favorite antique shop. I ask for your support.



# Local Area Introduction / Nagoya Sales Office

## Aichi-Pref



A group of buildings directly linked to the station.  
This is a complex that includes department stores as well as hotels and offices.

Nagoya has such a unique food culture that it is called "Nagoya cuisine", while as for manufacturing, large corporations are concentrated there. In the Chūkyō Industrial Area, one of the three large industrial areas in Japan, the automotive industry and aviation industry in particular are booming, and the value of its shipped manufactured goods has ranked at number one\* in Japan for forty years in succession.

\* Statistic from 2017

Further redevelopment is also scheduled from now on with the focus on JR Nagoya Station, looking ahead to the start of work on the Linear Chuo Shinkansen in 2027.



Navigator

Section chief  
Tadaaki Aoji

Recommended  
Event

## Kota Kite Flying Festival



This kite flying event is a new year tradition held at Kota-cho, Nukata-gun, Aichi Prefecture. Around 150 varied home-made kites from all over the country are brought together here - from large ones measuring more than 10 tatami mats to small ones - and they color the New Year sky. It is worth coming to see the impressive large kites flying in the sky.

Recommended  
Eats

## Miso-katsu



Miso-katsu (breaded pork cutlet with miso sauce) is the quintessential Nagoya dish. It is eaten in many restaurants in the city, and there are many popular restaurants. The pork cutlet with its crisp coating and the moderately sweet miso sauce with a rich flavor are a good match, and go very well with rice and alcohol. Please try it if you go to Nagoya.

# TAKAMAZ

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## Famous Car Collection

Lancia Stratos HF  
(custom 1/18 scale)



The Lancia Stratos HF is a legendary rally car that played an active part in the World Rally Championship in the 1970s. We added custom parts such as the bonnet pins to KYOSHO CORPORATION's mini car that reproduced it as an exquisite 1/18 scale model. The location for the photograph is the warehouses of the old spinning factory in Ishikawa City, Ishikawa Prefecture, which have been converted into a forum for artistic creation - covering drama, artwork and music - and the Kanazawa Citizen's Art Center which is widely used by the citizens as a place where they can relax.

Photography by : High-quality big scale mini car collector Takanori Tetsuda