



**TKS**

**COMPANY PROFILE**

**TANAKA METAL FACTORY CO.,LTD.**

# 改善魂

Our chairman started Tanaka Metal Works with a single lathe, and TKS products are now sent all over the world.

As the years have passed, manually-operated lathes have given way to automatic CAM boards, and we are now moving towards CNC lathes. Our equipment has changed as our company has evolved over the years to its present form.

When I was twenty years old, I used to tell people my dreams, which were then merely fantasies.

Some said that I shouldn't waste time talking of the impossible, but thinking back on it, I believe that my dreams became possible because I put them into words.

Nothing is accomplished overnight, but by working to overcome the obstacles in our path, we find that with each success we grow both as individuals and as a company. And as we continue to meet each new challenge, we find that we have been able to surmount even the biggest obstacles with ease.

There is only so much that any of us can do alone. I believe that overcoming our challenges with others that share our dreams and our values is the fastest route to progress and reaching our goals.

At TKS, we only have one goal, and that is progress.

## KAIZEN DAMASHII

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The Spirit of Improvement, or Kaizen Damashi in Japanese, is a phrase that captures the essence of what we must do to face the steep challenges that lie in the way of progress. We must demonstrate this spirit not only to survive as TKS, but to survive as a midsize company in general.

It is by overcoming these challenges one after another that we generate ongoing prosperity and transform into a leaner, more powerful company.

Improvement, or kaizen, is obviously the work that people carry out, but adding the word spirit brings out the essence of what improvement is all about.

The idea of kaizen is part of our Japanese heritage—the soul of Japan—and we intend to carry out this spirit to its fullest.

## Business philosophy

Contribute to creating a joyful society by promoting the physical and mental well-being for all employees and through the endless pursuit of corporate development

## Corporate motto

There is no success without effort. Always meet challenges head-on and with a smile.

## Approach to manufacturing (consideration and kindness)

Always aim to improve quality to achieve customer satisfaction and smiles  
Continue working hard with determination and purpose to achieve our goals  
Remain open-minded, striving to make the impossible possible  
Do what needs to be done to create products that bring joy  
Seek to make an impression on customers by remaining flexible and adaptable to circumstances

# SPIRIT

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# WORKS

## Work processes

Kaizen and elimination of waste through cell manufacturing system



Manufacturing with cutting-edge machines



Washing equipment designed by TKS



Inspection



Design/development

We make full use of the latest machinery and equipment so that we can make products that thoroughly satisfy the needs of our customers. Work that requires a human touch is processed one piece at a time by skilled craftspeople. We remain conscientious about our manufacturing, taking responsibility for each product we make from start to finish.



Work by manually-operated machine



Delivery

### Ask

Feel free to inquire about any type of metal processing or product development.

### Meet

We take the time to meet with customers to ensure that we meet each of their needs.

### Design/develop

We achieve high quality at low cost by investigating processing methods during the design stage.

### Estimate

We have a prompt system for generating estimates for products developed by TKS.

### Process

Our expert craftspeople execute top-quality processes, using the newest NC lathes that capable of everything from single-item to mass production.

### Inspect

Various types of inspections are carried out using the latest measuring equipment.

### Final delivery inspection

We carry out exhaustive inspections, thoroughly examining products from all angles at our inspection/control rooms. Dimensional checks are carried out via sampling.

# EQUIPMENT

## Key equipment

24-hour processing using the newest robotic systems

Whether forged products or casting products, we can process all kinds of component shapes both small and large in diameter. Our partners can also handle challenging materials like stainless steel or titanium. We turn our customers' dilemmas into satisfaction, and are confident you will be impressed with our work.

### Machines and equipment

OKUMA Corporation & ALPSTOOL CO.,LTD.	LB200-M & ASR X-65P	Complex machine	φ 62.0	H43
	LB200-MY & ASR X45151P	Y-axis on-board complex machine	φ 51.0	H43
	LB200-MY & PF-V3S	Y-axis on-board complex machine	φ 42.0	H35
	LB200-M & ASR X45151P	Complex machine	φ 51.0	H43
	LCC15 & PF-V3M		φ 42.0	H35
TAKAMAZ Machinery Co.,Ltd. & ALPSTOOL CO.,LTD.	LB9 & PF-V3M		φ 42.0	H35 3
	X-15 & PF-V3S		φ 42.0	H35
	X-10 & PF-V3S		φ 24.0	H20
Nakamura-tome Precision Industry & ALPSTOOL CO.,LTD.	WT-100 & ASR X45151P	Y-axis on-board spindle	φ 32.0	H35
	TMC-18 & AUTO CHOBEI		φ 51.0	H43
	TMC-15 & PF-V3M		φ 42.0	H35
	SC200 & ASR X-65P	Complex machine	φ 62.0	H43
Miyano Machinery Incorporated. & ALPSTOOL CO.,LTD.	BNC42 & PFV3M		φ 42.0	H35 2



### Secondary processing machines, etc.

Nakamura-tome Precision Industry	TMC-15			1
	SC-150		Fanuc robot	
	X-10	With loader 1	General-purpose machine	1
TAKAMAZ Machinery Co.,Ltd.	X-10i			
	mini-TURN			
HITACHI SEIKI CO.,LTD.	TE-20	8-inch type complex machine with gantry loader		
NITTO-POLYGON Co.,Ltd.	PC-100		1 of 3 with loader	
	PC-125			1
Brother Industries, Ltd.	Mass-production milling machine			2
HOWA SANGYO CO.,LTD	General-purpose lathe			2
SHIZUOKA MACHINE TOOL CO.,LTD.	General-purpose milling machine			1
Mitutoyo Corporation.	Video measuring device			1
	Contour tracer (Shape measuring device)			
	Surface roughness measuring device (surface test)			
Godo Solution Inc.	NSK-CAD / CAM			1
KISOH CO.,LTD.	Washing equipment Let's Clean			1
TKS originals	Automatic press system			1
	Automatic nut tapping machine			1
	Overall nut length screw inspection machine			1
	Water pressure/water volume testing machine			1
	Three-tank washing equipment			
Internally developed software	Task software Tanakin System Ver. 3			



We can make products of any shape – we make our customers' ideas a reality!



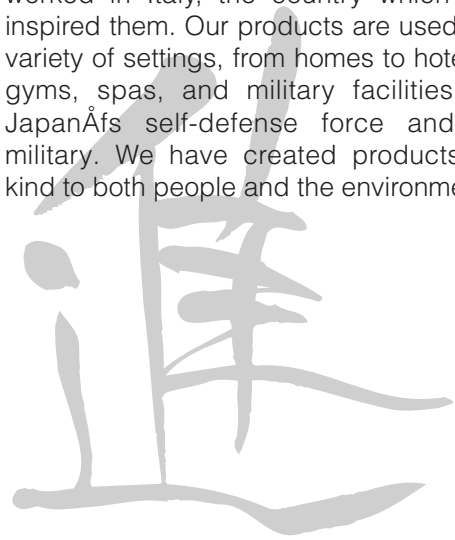
# ORIGINAL DEVELOPMENT



**Left: Shalea Right: AriaMisto**  
(Patent No. 3747323)

## Products developed by TKS

Our water saving methods have led us to develop the next generation of water-saving devices that make use of the mixed-jet system. These products create a luxurious feeling never before seen in a water saving device. The designs adopt the form of industrial designer Takashi Ito, a local Gifu resident who has also worked in Italy, the country which originally inspired them. Our products are used in a wide variety of settings, from homes to hotels, sports gyms, spas, and military facilities for both Japan's self-defense force and the US military. We have created products that are kind to both people and the environment.



(Patent No. 3950929)

### T-SAVER-Excel

Water saving adapter with a shower-stop function



(Patent No. 3331359)

### Additional water saving devices

Two types of strainer screens generate bubbling and block contaminants to prevent lessening of water saving functions—yet another way TKS is looking to save water.



### T-SAVER-Eco

Water saving shower adapter cuts water usage by 30-50%. Ecological functionality at an ecological price.



### TORENGA

A anti-theft clasp designed to protect multifunction showers at public baths and other facilities



### T-SAVER-Pro

Adapter for commercial use made entirely of metal for unsurpassed water saving functionality and extended durability.

# COMPANY INFORMATION

## Company profile

Company name: TANAKA METAL FACTORY CO.,LTD.  
Location: 1095 Hinaga, Yamagata, Gifu Tel 0581-53-2653 Fax 0581-53-2654  
Founded: 1965  
Established: Apr. 8, 1994  
Capital: 10,000,000 JPY  
Chairman: AKIO TANAKA  
President: KAZUHIRO TANAKA  
Executive Director: YOSHIYUKI TANAKA  
Director: AKIE TANAKA  
Bank: The Gifu Shinkin Bank Miyama Branch, The Juroku Bank Takatomi Branch  
Organization: Society of Commerce and Industry, Yamagata City Gifu-kita Hoj inkai  
License: Established under the Gifu Prefecture Small and Medium-sized Enterprises Creative Activity Act, Gifu Prefecture New Production Directive No. 77-4  
Products manufactured: Copper and brass components, faucet components, water filter components, manufactured lighting components (manufacture); water saving equipment (R&D, manufacture, and sales)  
Products sold: Stainless steel components, ABS components, water filters, water saving equipment, titanium, and others (please feel free to inquire about any other items you may need)

## Company history

1965: Current chairman AKIO TANAKA founds the company with one general-purpose lathe in Miyama-cho Hinaga, Yamagata-gun (Mitaj ima Region)  
1969: Plant moved to Miyama-cho Hinaga  
1970: Plant moved to Miyama-cho Hinaga (Ueshima Region)  
1975: New lumber plant constructed and bar processing begun using automatic lathes (3 automatic lathes introduced)  
1979: Plant expanded using steel frame slate construction  
1989: CNC lathes introduced  
1992: New plant built with a total floor space of 250m<sup>2</sup>, 24-hour operations begun upon completion of the new plant  
1994: TANAKA METAL FACTORY Company,Inc. established on April 8 with 3 million yen of capital  
1997: External warehouse of about 165m<sup>2</sup> added alongside the plant  
1999: Water saving adapter developed, applied for patent  
2000: Plant warehouse remodeled and expanded to a total floor space of 396m<sup>2</sup>  
2001: Wholly-owned APEX Company,Inc. established/founded to sell TKS water saving devices / Entry into the water saving business, distributors established nationwide / Sales of MJP shower adapter begun / Patent acquired for bubbling adapter  
2002: Water saving device for low tank toilets, Levelock design registered  
2003: Business partnership with MYM MFG.CO.,LTD.begun, plant expanded, administrative offices newly built, plant expanded to a total area of 561m<sup>2</sup> / Merger with APEX CO.,LTD., TKS takes over water saving device sales / Change in corporate executives: AKIO TANAKA becomes chairman, KAZUHIRO TANAKA becomes president / Shower water saving device, MJP sales launch, bubbling adapter exhibited at Onogi Kagaku Shinkou Zaidan and receives award for outstanding performance  
2004: Gifu Prefecture Small and Medium-sized Enterprises Creative Activity Act, Gifu Prefecture New Production Directive No. 77-4 on January 28  
2005: Sales launch of the new style AriaMisto showerhead, HQ warehouse and employee dorms constructed, Approval of supporting projects to expand into the Gifu Prefecture market / AriaMisto takes first place invention award at Onogi Kagaku Shinkou Zaidan, Gifu Invention and Innovation Exhibit, receives JPAA Kaicho Shorei Award  
2006: Manage to launch sales of the T-SAVER-Eco  
2007: Company name changed from TANAKA METAL FACTORY Company,Inc. to TANAKA METAL FACTORY CO.,LTD., showerheads offered through shop sales channel / Waste-reduction promotion project (GPC No. 259) approved by the Gifu Economic and Industrial Promotion Center  
2008: Joint enterprise with Softopia Japan approved, Tanakin System, etc.

## Main business partners (in no particular order)

KVK CORPORATION	SUMIYOSHI KASEI CO.,LTD.
TAKAHASHI KINZOKU Co.,Ltd.	Energy Mate CO.,LTD.
YAMAGUCHI Machinery	NIPPON KANZAI CENTER CO.,LTD.
FUJIPACKS CO.,LTD.	ICHIHARA CO.
TOKYO SHOKOSHA Co.,Ltd.	JPEC CO.,LTD
TOMATSU METALLURGICAL CO.,LTD.	TOSHO CO.,LTD
Taki Plastic Co.,Ltd.	amenity co.,Ltd.
TOPPANCOSMO INC.	IFUJI DESIGN STUDIO
TSUKIJI FACTORY co.,Ltd.	Design office DESART
YAHATA COMPANY LIMITED	etc.
Hayakawa Valve Production Co.,Ltd.	Sales agent for Ministry of Defense, KANOREX Company,Inc.

## Related organizations

SOFTPIA JAPAN  
GIFU ECONOMIC AND INDUSTRIAL PROMOTION CENTER  
Gifu Prefectural Federation of Societies of Commerce and Industry  
Central Federation of Societies of Commerce and Industry  
JAPAN WATER FORUM  
Seiwa Jyuku

**Generating harmony  
between people and  
components with products  
that have heart**



Water-saving appliance R&D and manufacturing  
/ Brass component manufacturing and sales

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