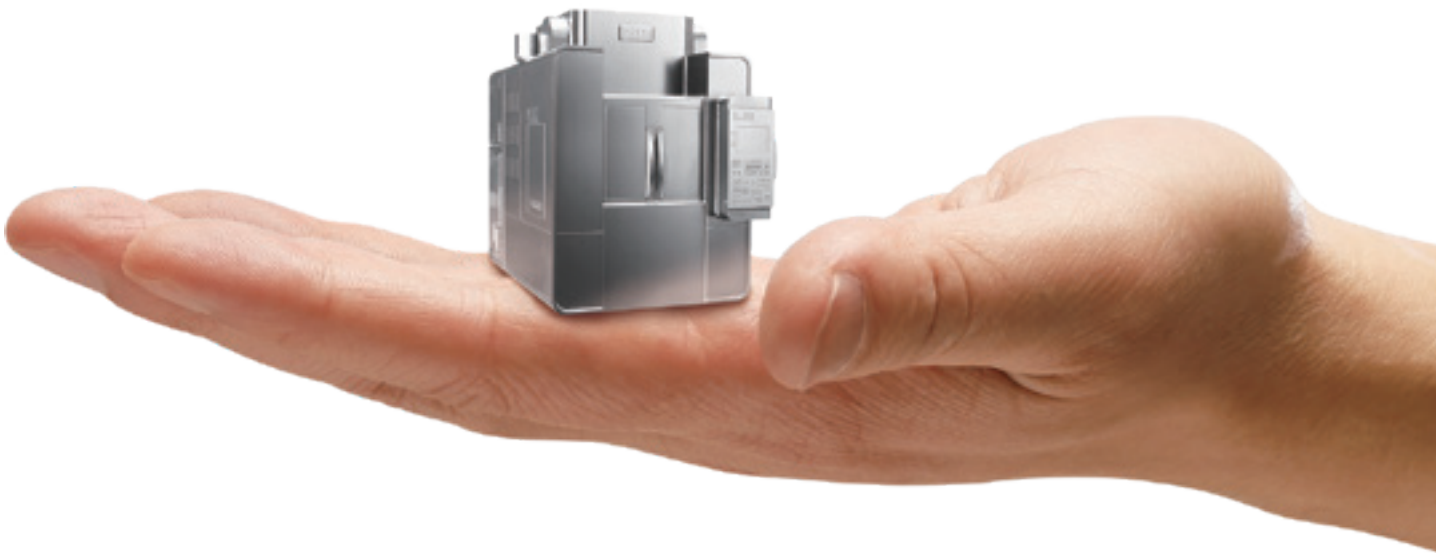


**Aiming for the best, not the biggest.**



COMPANY PROFILE

## The “KODAWARI” to be an industry leader

Nearly a century has passed since my grandfather, Shinjiro Yasuda, established YASDA in 1929. And thanks to the support of many people, we have grown to become a well-known machine tool and machining center manufacturer that lists global companies among its customers.

YASDA began as a small neighborhood boring and machining factory with only three employees. Since then, we and our products have evolved from making pistons for automobile engines to making high-precision machining centers.

The YASDA of today is a product of technological improvements developed to meet and surpass our customer expectations. As requirements and the level of precision has improved to more sophisticated and difficult processes, we have evolved to meet those challenges.

It would not be an overstatement to say that the evolution of YASDA is the product of disciplined responses to the continuously changing needs of industries.

Today, the world is entering a new era and undergoing a variety of different and additional changes. Including the shift from gasoline to electric vehicles (EVs), an evolution of medical technologies, smaller and smaller electronics and communication devices, new lighter aircraft, advances in aerospace, and the development of new materials.

At YASDA we do not fear the future and will continue to make the necessary reforms and updates to respond to the various changing needs of our customers around the world.

YASDA’s “KODAWARI” in the pursuit of even greater precision and more advanced technologies, also extends to our dedication to support manufacturing and be a trusted partner to our customers, many of whom are taking the lead in cutting-edge technologies in their sectors. It is our “KODAWARI” to work tirelessly to continually provide the best products, technical advice, and support in machining technologies to help our customers push the envelope of what is possible.

“Aiming for the best, not the biggest.”

This unyielding slogan represents the YASDA spirit, YASDA’s “KODAWARI,” that all YASDA employees are committed to, aiming for quality over quantity and to evolving for the future to be and continue to be an industry leader.



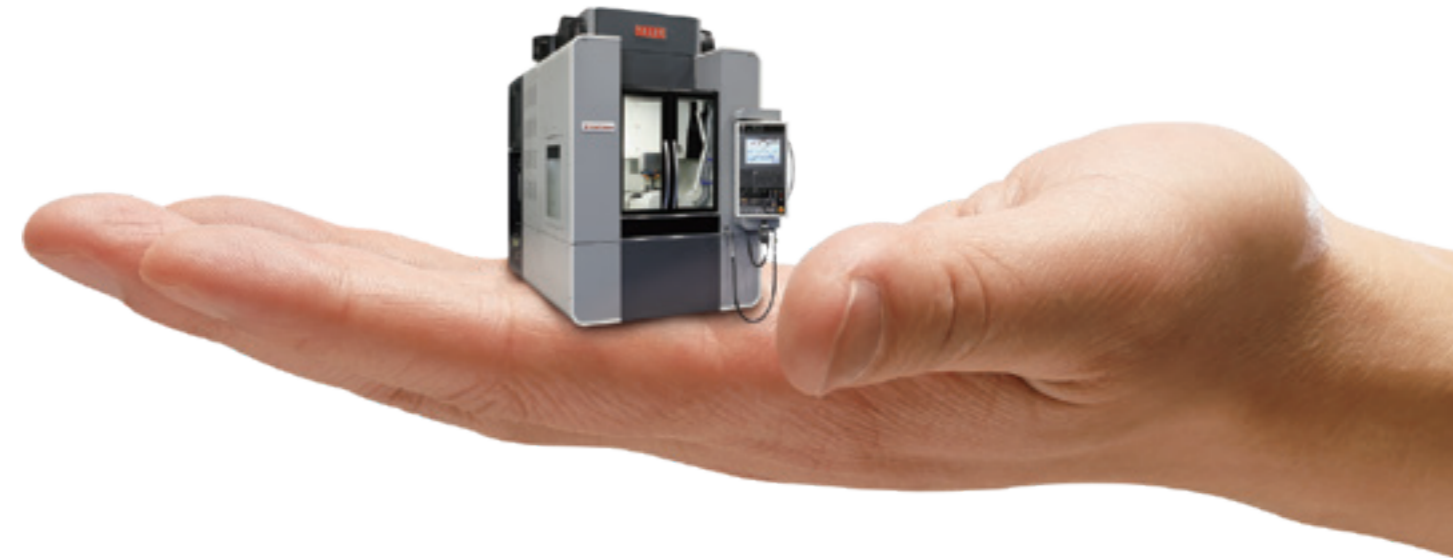
President

**Takuto Yasuda**

安田 拓人

## Aiming for the best, not the biggest.

At YASDA our “KODAWARI” is to pursue the highest level of precision and services.  
We work tirelessly to provide new solutions for ever-evolving industries.

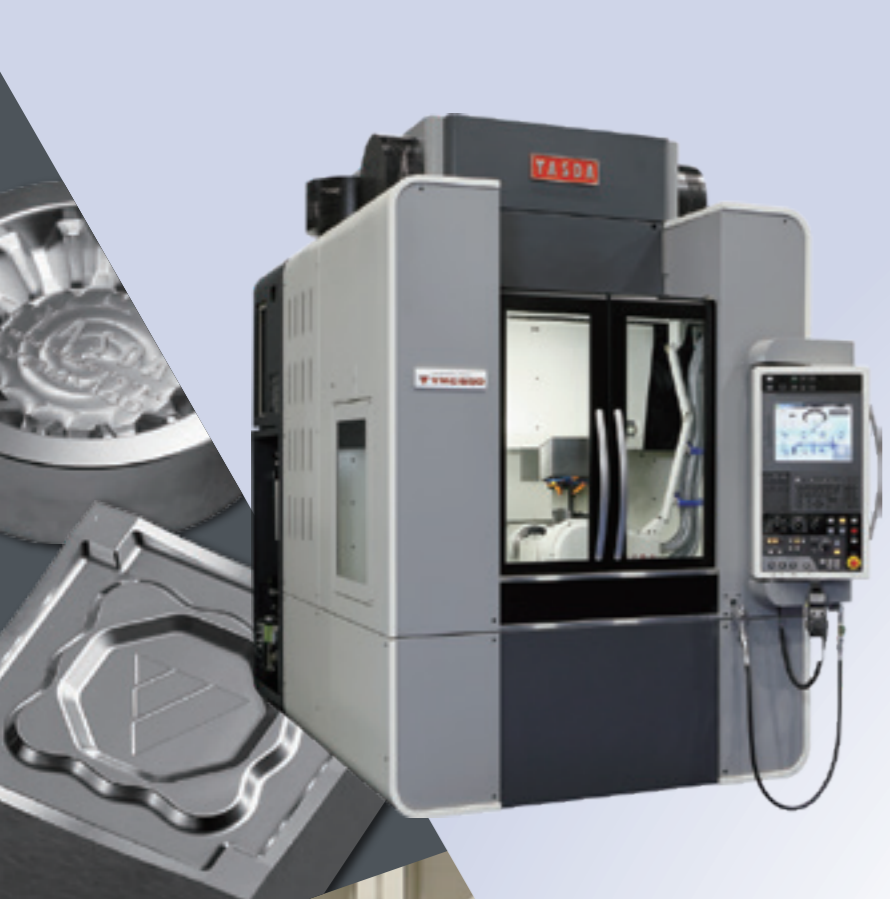


### “KODAWARI” in Precision and Technologies

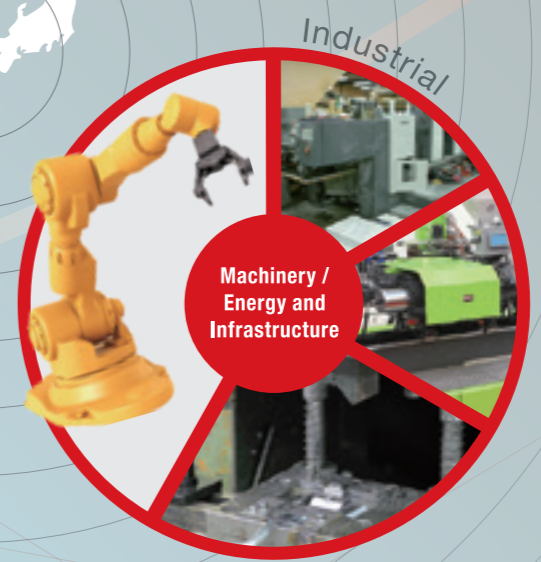
The meaning of the Japanese word “KODAWARI” will vary depending on the context, at YASDA it is used to describe an “uncompromising will” or “obsessive determination” to not compromise on quality, precision, and technology.

### Contents

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# YASDA's "KODAWARI" to innovate world manufacturing.



YASDA supports manufacturing around the world, providing high-quality, high-precision YASDA solutions to the cutting edge of technology using its ultra-high-precision machining systems.

# “KODAWARI” in Environment

PRODUCTION ENVIRONMENT

## Integrated Production Environment

One of the clearest examples of our “KODAWARI” for manufacturing is our integrated production environment. Our functionally designed head office leads into our temperature controlled factory buildings with streamlined manufacturing processes for YASDA machines and products.

Solar

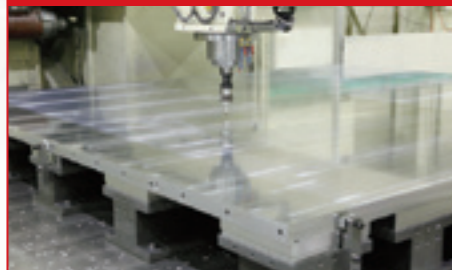
Machining



Main Office



Industrial machine machining



Assembly Cleanroom



Assembly  
(Constant Temperature Controlled Areas)



Sheet Metal



Showroom



# “KODAWARI” in Precision and Technology

KODAWARI **01**  
Design and Development



KODAWARI **02**  
Manufacturing

KODAWARI **03**  
Measurement



KODAWARI **04**  
YASDA  
Craftsmanship



# Design and Development



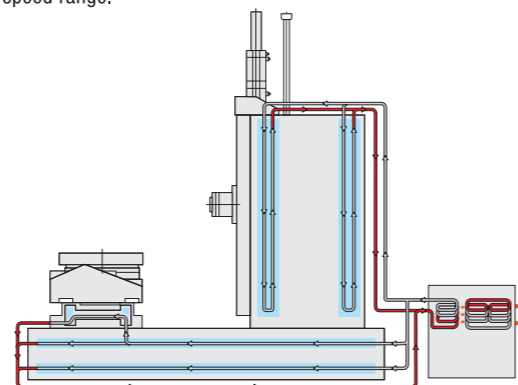
## “KODAWARI” in Design and Development

At YASDA we have a three-directional approach to developing leading and innovative machine technology; Ultra-high Precision, Advanced Automation, and Multifunction. We are committed to the development and production of reliable high-precision machining centers that continue to support cutting-edge industries now and in the future.

## “KODAWARI” in Technology

### Self-adjusting Preload Spindle

YASDA’s “KODAWARI” to provide our customers with a spindle that could do both heavy-duty cutting and high-precision finishing, led to the development of the self-adjusting preload spindle. This unique system self-adjusts as the bearings heat up to allow the spindle to maintain the same amount of preload at all speeds over the entire speed range.



### Thermal Deformation Stabilizing System

YASDA’s one of a kind Thermal Deformation Stabilizing System is an advanced temperature control system that works to control the temperature of the machine for optimal performance and precision. This system works to cool the machine during operation to eliminate thermal deformation that would affect the precision of the machine, even in factory environments that are not air-conditioned.

### Spindle assembly room (cleanroom)



### Spindle function test



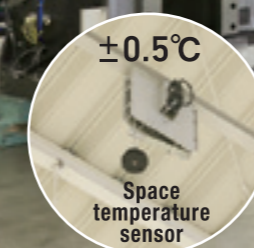
### Machining



## YASDA’s “KODAWARI” in Manufacturing Environment

Our assembly factories were built with vibration elimination systems and fitted with temperature management systems that maintain a constant temperature within +/- 0.5 degrees all year-round to ensure high precision manufacturing.

In the main factory, we produce our ultra-high precision machinery, where all of the highest precision components, are machined by our machines.



Constant temperature assembly factory

# Manufacturing

The temperature is strictly controlled to maintain  $20^{\circ}\text{C} \pm 0.3^{\circ}\text{C}$



# Measurement

High-precision measurement room

## “KODAWARI” in Measurement

### The pursuit of sub-micrometer precision

The only way to achieve true sub-micrometer accuracy and precision is if you can measure it. In our high-precision measuring room, we use ultra-precise measuring technology to ensure that all YASDA produced components are accurate to sub-micrometer levels.

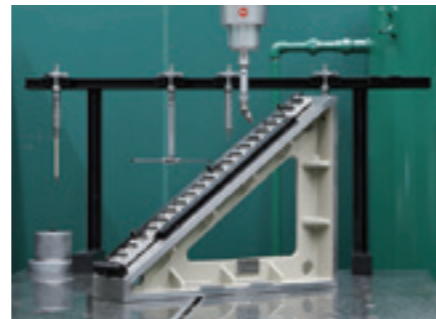
#### Roundness measuring system



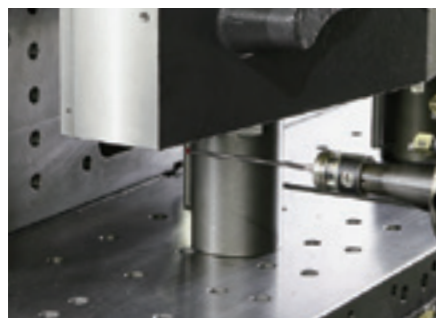
#### 3D measurement system



#### Step gauge



#### Measuring at different process stages



Machining



Assembly



Hand-scraping

## Hand-scraping the ultimate “KODAWARI”

No other part of our production process embodies our “KODAWARI” for the pursuit of perfection than hand-scraping. Our expert hand-scrapers meticulously scrape each surface with sub-micrometer precision to ensure components not only attain, but will continue to maintain the highest possible precision over the life of the machine.

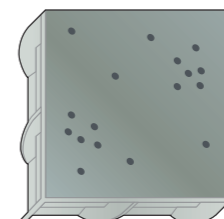
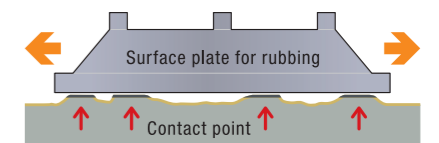


The right angles of each spindle housing are hand-scraped to the highest precision.



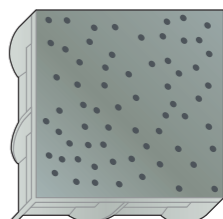
#### The Hand-scraping Process

Rub with a high-precision surface plate



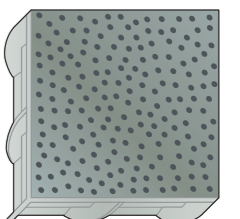
Scraped

Few contact points



Scraped

To increase the number of contact points

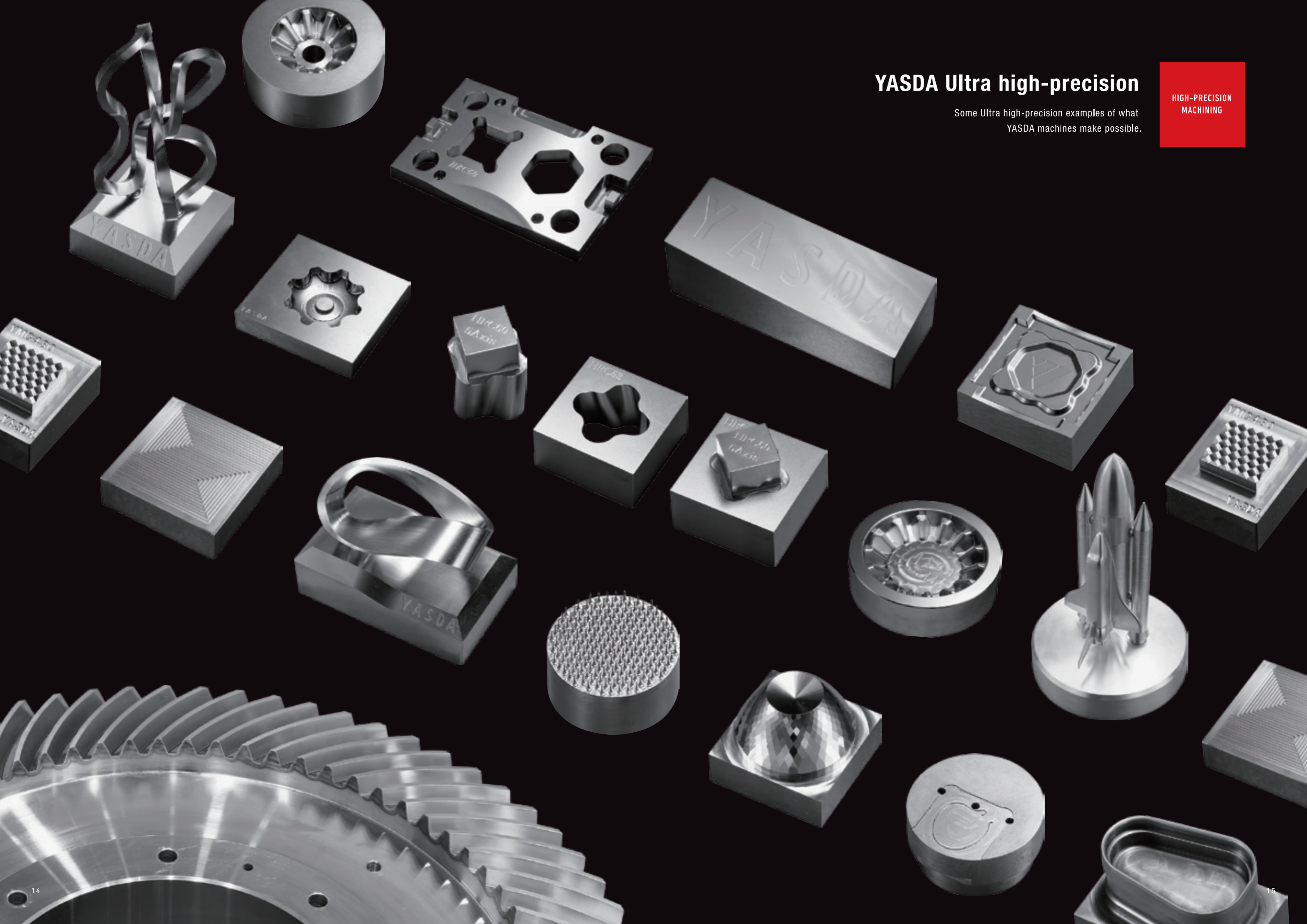


Resulting in uniformly distributed contact points and increased rigidity and durability

# YASDA Ultra high-precision

Some Ultra high-precision examples of what  
YASDA machines make possible.

HIGH-PRECISION  
MACHINING





KODAWARI **01**  
New Challenges



“KODAWARI”  
for the Future



KODAWARI **02**  
Services





# New Challenges

Cleanroom

## Venturing into new fields

Our “KODAWARI” to manufacture the highest-level machining centers in the world has led YASDA to develop and acquire many fundamental technologies and know-how. To further our growth potential, we have also been manufacturing devices related to semiconductors and liquid crystals (in a specialized assembly cleanroom). Our “KODAWARI” drives us to seek out new challenges, in new fields, so that we can expand YASDA’s potential now and in the future.

### Specialized Assembly cleanroom



### Industrial machine machining factory



## “KODAWARI” for Customer Support

At YASDA our service does not end after we deliver and install the machine. YASDA’s “KODAWARI” for customer support drives us to go beyond initial machine performance requirements. Our comprehensive support also extends to; assisting with the preparation of the installation environment; offering technical machining advice and support; working closely with our customers to assist with machine maintenance, and providing consultation on machine upgrades as requirements change. YASDA’s “KODAWARI” is to provide total support.

### Showroom



### Maintenance



### Seminars



SERVICE NETWORK

## Our growing Service Network

We are expanding our network around the world

01 HEAD OFFICE and FACTORY

02 GERMANY OFFICE

03 THAILAND OFFICE

04 YASDA PRECISION AMERICA CORPORATION

05 YASDA PRECISION TOOLS (SHANGHAI)

06 YASDA PRECISION TOOLS (SHANGHAI) DALIAN OFFICE

07 YASDA PRECISION TOOLS (SHANGHAI) DONGGUAN OFFICE



Office / Local subsidiary / Service base    Agents

**BUSINESS BASES  
IN JAPAN**



- 01** HEAD OFFICE and FACTORY
- 02** OSAKA OFFICE
- 03** NAGOYA OFFICE
- 04** NAGANO OFFICE
- 05** KANTO OFFICE
- 06** SENDAI OFFICE



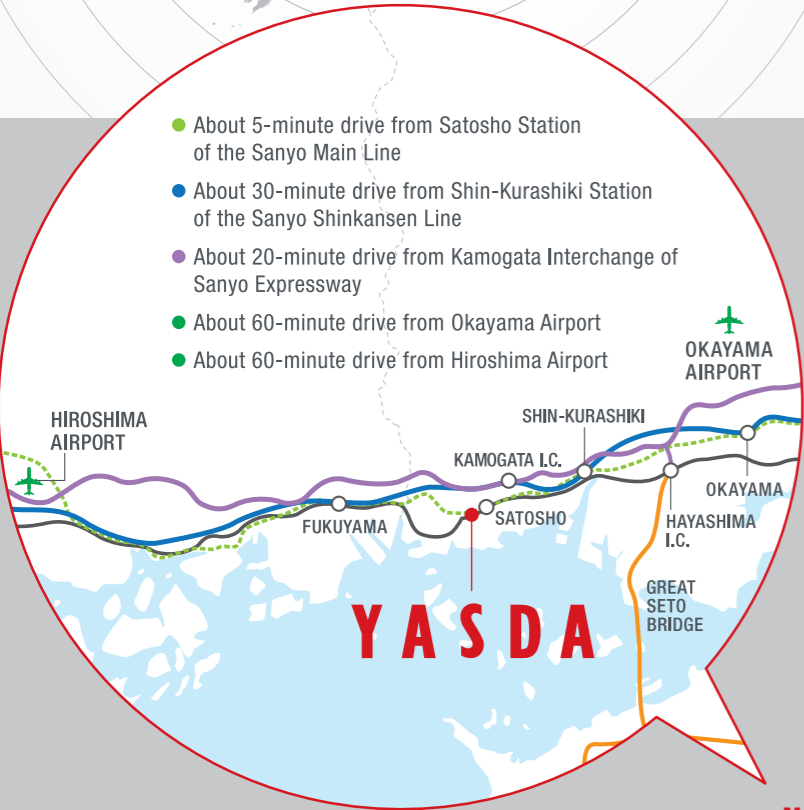
Certification number:  
0000724

The entire YASDA Precision Tools is practicing eco-actions.

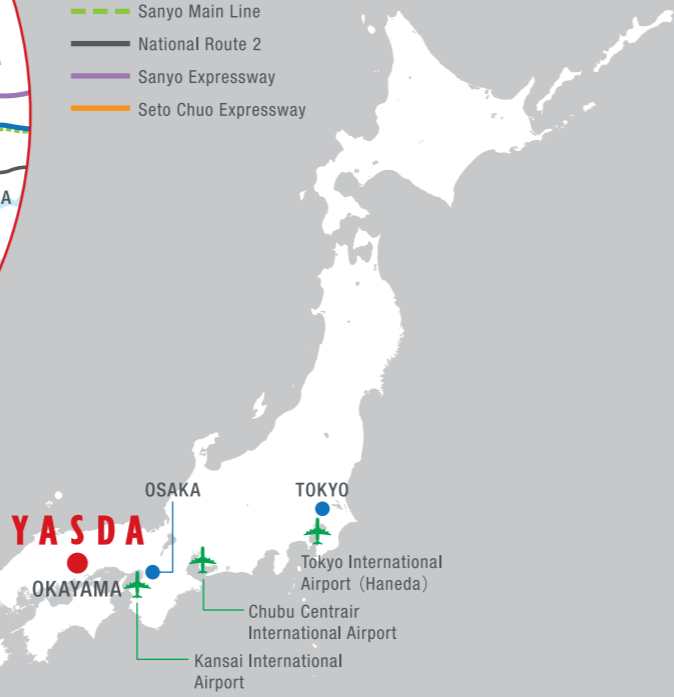
**ACCESS**

- About 5-minute drive from Satosho Station of the Sanyo Main Line
- About 30-minute drive from Shin-Kurashiki Station of the Sanyo Shinkansen Line
- About 20-minute drive from Kamogata Interchange of Sanyo Expressway
- About 60-minute drive from Okayama Airport
- About 60-minute drive from Hiroshima Airport

- Sanyo Shinkansen
- Sanyo Main Line
- National Route 2
- Sanyo Expressway
- Seto Chuo Expressway



- About 2 hours and 20 minutes by airplane and car from Tokyo International Airport (Haneda Airport)
- About 3 hours by train and car from Kansai International Airport
- About 3 hours and 20 minutes by airplane and car from Chubu Centrair International Airport





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