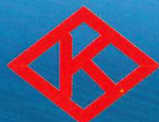


**PRODUCT PROCESSING**  
work hard to improve yourself



KOMATANI GAUGE (THAILAND) CO.,LTD.

Company Profile

<< Quoted from the Weifeng Qiao of "Shijing (Classic of Poetry)."  
"Takuma" means to strike and polish jade or stones.>>  
Continuing our efforts to learn and cultivats virtue.  
Or, encouraging and competing with friends to improve together.  
(Quoted from the Daijisen, a general-purpose Japanese dictionary)

## PRODUCT PROCESSING

- 切 ..."Se" : ขั้นตอนในการตัด (Forming Processes)  
磋 ..."Ssa" : ขั้นตอนในการชุบแข็ง (Heat treatment Processes)  
琢 ..."Taku" : ขั้นตอนในการเจียรนอก เจียรใน (Grinding Processes)  
磨 ..."Ma" : ขั้นตอนในการขัดเงา ( Polishing / Finishing Processes)

Each *Kanji* character of "Sa Ssa Taku Ma" has an original meaning, as shown above.  
Since it is necessary to attend to work faithfully with enormous labor in order to complete high-Quality industrial products, the meaning of "Sa Ssa Taku Ma" in the company is given the additional meaning that we should take sufficient time to thoroughly hone our skills and abilities while encouraging our colleagues and friends to do same.

There are "polishing materials to improve accuracy," as in the original meaning, and in the contemporary sense there is "a human honing oneself."  
We can deeply understand both meanings and appreciate their importance, because we have for years strived to engage in manufacturing and have earnestly dedicated our pursuits to the production of quality gauges.

## what supports Japanese industrial products boasting the world's finest quality ?

Gauges provide the standards by which to measure the sizes and shapes of products in every conceivable kind and category.  
Accordingly, gauge production requires extreme accuracy and the highest possible quality.  
However, the highest level of accuracy requires more than just high-performance machines.  
you may be surprised to know, but the five senses are fully employed in gauge production at the end of the procedure.

## Reaching the highest accuracy is the same as utilizing the maximum capabilities of a human being

Let's take as an example a famous technique in the machining field called three-plate rubbing\*.  
Although this is a traditional analog technique, it is still adopted at field sites as the only method to ensure the high accuracy of flat surfaces.  
The "human hands" may often be said to have greater performance as a sensor than any supercomputer can provide.  
It might not be an exaggeration to say so, if you think that all high-performance machines are essentially created by human hands.

Needless to say, the sensitivity to recognize differences on the order of microns is a special one possessed by a talented few.  
Such ability can be obtained only by repeating the training for long periods.  
The accumulated efforts and years cannot be bought with money.  
we appreciate human ambition more than anything, because we work on gauge production-a field in which accurecy is respected.  
there is on gauge production without "Se Ssa Taku Ma."

## Manufacturing leads to the cultivation of humanity, and further to the establishment of confidence

We strongly believe that the diligent attitude needed to manufacture products leads to the creation of good products.  
The accomplishments of that effort home human beings,ultimately leading to the creation of public confidence.  
It sounds like a good story, but the results verify that Komatani Gauge products have been used in various industrial products throughout the world for more than half a century.

A piece of metal being accurate to the standard down to a tolerance of 0.0001 mm  
This can be achieved not only by hight-performance machines employing the world's highest technology, but also through the great sensibility and effort that experts devote to product creation and the sincerity we have with respect to our customers.  
Please remember the above story when you take up a Komatani Gauge.



\* Three-plate rubbing : The operation used to ensure the accuracy of flat surfaces by rubbing three plates against each other using the procedure of all possible selections.

## Adhering to the concept of a customer-first policy - "High Quality, Quick Delivery, Low cost"-and to the creation of products

The idea, "manufacturing most requires a diligent attitude," also connects to conscious desire to respect customers who place orders with us.

Komatani Gauge seeks not only to produce good products but to always meet customer needs. Accordingly, we have the motto, "High Quality, Quick Delivery, Low Cost," and in achieving it we use various approaches.

## High Quality

### KOMATANI GAUGE (THAILAND) CO.,LTD.

Traceability is maintained about all the products by the above and complete backup of the Komatani gauge of Japan. The Komatani gauge Thailand is also equipped fully with a stable temp 20 c inspection room, and the delivery inspection is conducted about all the products also In the world . with the three coordinate measuring machine (LEGEX776) and length measuring machine (ZeissULM600) of the maximum high precision.

บริษัท โคมาทานิ เกจ ญี่ปุ่น ได้รับการรับรองการผลิตจากระบบคุณภาพ มาตรฐาน ISO / IEC 1702, ISO / 9001 ซึ่งบริษัท โคมาทานิ เกจ ประเทศไทย ได้ใช้เทคโนโลยี เหมือนกัน ดังนั้นความสามารถในการผลิต ผลิตภัณฑ์ จึงมีคุณภาพและมาตรฐานเดียวกัน

### KOMATANI GAUGE (JAPAN) CO.,LTD.



Using (JIS Q 17025) ISO / IEC 17025 as accreditation criteria, the Company, the certification scheme. It has been certified under the JCSS are operated in accordance with ISO/IEC17001. Operated the JCSS Accreditation body You have is (IAJapan), and international test (APLAC) Asia Pacific Ocean

Laboratory Accreditation Cooperation. It has signed a mutual authentication test certification Cooperation Agency (ILAC). Our calibration Chamber, are accredited as MRA Calibration Laboratory of JCSS. JCSS 0292 is an authorized number of our Inspection room.

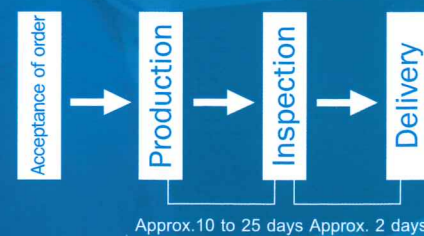
## Quick Delivery

### Consistent in-house operation ensures the shortest possible procedures

\* Please consider the number of days as a general reference. These figures are subject to change. depending on the details of each order.

เกี่ยวกับการส่งมอบ เรามีการส่งมอบได้รวดเร็วเพราะว่าเรามีฐานการผลิตอยู่ที่ประเทศไทย

About the delivery. We have delivered very quickly. Because we have a production base in Thailand



Basically, all the procedures-from acceptance of order through delivery-consist of internal operation. That is why we can provide consultation on a delivery schedule that might otherwise seem difficult.

We also have reliable support via outsourcing companies that accept such strict requests as "purchasing material on the day and heat treatment on the following day." This is one of the reasons to ensure our confidence. All members of the company our customers' needs through their finest, most diligent efforts.

## Low Cost

### Compression of indirect expenses

To match budget of the customer we can make you it satisfaction

เพื่อให้ตรงกับงบประมาณของลูกค้าเราสามารถทำให้เป็นที่น่าพอใจให้กับลูกค้า

The company's main business is manufacturing. For that reason the back-office and sales divisions are operated by fewer members than those who engage in manufacturing. By limiting labor costs and suppressing indirect expenses as much as possible in order to achieve low-cost production, our customers can receive superior-quality products at reasonable prices.

## Product

### Limit gauge

- Plug gauge

- Ring gauge

- C-Snap gauge

- Taper gauge

- Block gauge

### Measurement Jig



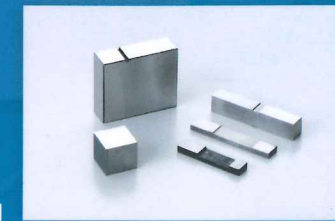
Taper Gauge



Measurement Jig



Ring Gauge



Block Gauge



C-Snap Gauge



Cylindrical Plug Gauge

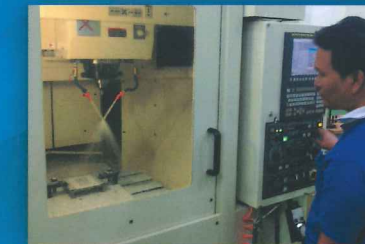
## Machine



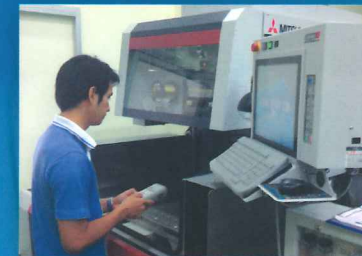
Drawing program



Cylindrical Grinding Machine



CNC JIG BORE Machine



Wire-Cut Electric discharge Machine

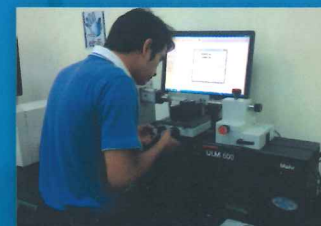


Auto production Plug Gauge

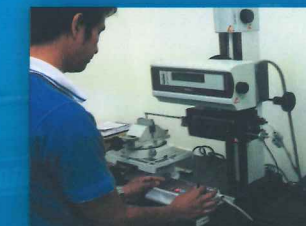


Precision Optical Profile Grinding Machine

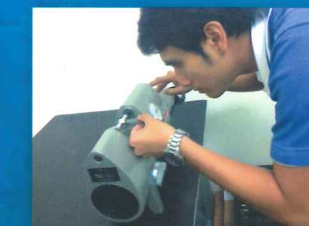
## Inspection



Universal Length Measuring Machine



contracer



Measuring Machine



Three coordinate measuring Machine

### Machine List

Name of equipment / Maker / Model	Maker	Model
CNC Jig bore	Yasda	YBM640V
Wire cutting electric discharge Machine	Mitsubishi	NA 1200P
Precision Optical Profile Grinding Machine	Wasino	GLS-135B
Cylindrical Grinding Machine	Kondo	CKG-450H
Surface Grinding Machine	Okamoto	PSG 63DX
CNC Lathe Machine	Takisawa	TC-100
General Lathe Machine	Mori seki	MS-850

### Measurement List

Name of equipment / Maker / Model	Maker	Model
Three Coordinate Measuring Machine	Mitutoyo	LEGEX776
Universal Length Measuring Machine	Mahr	ULM600
Contracer	Mitutoyo	CV-4000
Measuring Machine	Kuroda	SM-3
Drawing program		
CAC -TOOL (V.8.1)Program		
Excess-Hybrid Program		