

USER'S VOICE



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What is important is experience, knowledge,
and the spirit of improvement. And one more thing...



YOKOH PRECIOUS METAL FACTORY CO., LTD.

You had been using the products of another company for a long time. Why did you decide to switch to Tanabe Kenden products?

Mr. Kobayashi (President): We have been doing casting for over 30 years now, and the more experience we get, the better products we want to make. We realized that by using Tanabe Kenden products, we could broaden the range of what we could do as master craftsmen.

One of the companies we used to work with was using Tanabe Kenden machines, such as your casting machine, and they told us that you customized these machines for them. When I heard that the person who designed the machine had experience in casting, it all started to make sense to me.

What made you start doing your present job?

Mr. Kobayashi: Before I was doing sales for a company that analyzed and refined precious metals. After that I moved to a different company to learn the art from the masters there, then later when that company closed, I took

over the business they were doing as my own company.

I worked almost every day of the year for three or four years after I started the company. It was tough work, but as I polished and finished many works of jewelry, I got a very strong understanding of what casting was.

At the beginning, I was working on a small scale, so I even had my wife helping me from the investing all the way to putting flasks in the furnace. She was taking care of our children and doing the housework too, so it was not easy for her either.

Your company is famous for casting pink gold that does not crack. Do you have some kind of secret to this? (Your company is famous for making excellent quality jewelry even with difficult metals like pink gold. Do you have some kind of secret to this?)

Mr. Kobayashi: I don't know why the other companies can't figure it out. It is true that large companies ask us to make a lot of products from pink gold and white gold. When we are praised for the things we just do usually, I think that perhaps this comes from the experience and knowledge I gained

in my previous job and from all that time I spent just polishing and finishing jewelry.

In casting, there are not really many cases where you know something will definitely work out well, but there are cases where you know it is definitely not going to work out. So the work you need to do is the continued process of learning good ways to do things and eliminating bad ways of doing things. To say which is bigger, you get results by controlling the conditions, which means eliminating bad ways of doing things, and so you really want to bet on the possibility of getting these good results.

I was really impressed to see that you yourself make the wax trees. You really take your work seriously.



Mr. Kobayashi: If you just focus on making money and let this work just become someone else's routine job, you won't succeed. I am satisfied when I can make a good product, and then by selling that product, I can buy make enough profit to buy new machines. Right now, I leave the casting to Mr. Sasaki.

Mr. Sasaki: When I joined the company, I also just did the polishing for three years. I have been in charge of casting for ten years now. Part of my job is being called in by the president, who made the wax trees, and then checking to see what kind of work pieces will be made that day. Mr. Kobayashi believes that the person doing the casting should understand what kind of works are being made, so that the casting can be done in the ideal way.

Is the reason that you bought a 3D Printer that you think that they have good castability?

Mr. Hashimoto: I handle the CAD, and as we had received wax models printed by Solidscape printers, by casting them, we realized that Solidscape

printers, compared to other printers, have really good castability. If we can also print these wax models at our sites, we can study them, and make even better casting results.

We used to get casting requests for handmade models from the most particular craftsmen, but after we started using the Solidscape printers, this same type of craftsmen now want us to print wax models with the Solidscape printer.

What are you goals for the future?

Mr. Sasaki, Mr. Hashimoto: As we can now do the entire process from design to finishing, we want to increase the number of these kinds of jobs. We have another machine for casting now, so we want to naturally do more casting.

Mr. Kobayashi: This year we increased the space we have for doing work, and we increased the number of machines that we have.

We had been using another company's laser engraving machine, but when we only had one of these machines, we had to stop doing the engraving for two whole months.

If this were to happen again, it would cause trouble for our customers, so we decided to get one more engraving machine. After we increased our workspace, we now also have one more vacuum casting machine and one more centrifugal casting machine.

Casting is our main job, so we cannot stop working when a machine breaks, so we decided to invest money here.

When we go home at night, we can only pray that the flask that we put in the furnace will yield a perfect mold.

Experience, knowledge, and the spirit of improvement are of course important. However, in the end, there are things you cannot control, so luck is important. This kind of job, which values even luck, is something we want to carry forward to the future.



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From casting until finishing, whether through 3D model printing, making rubber molds, or using laser welding or engraving, we do all kinds of work related to jewelry. We can meet the needs of all jewelry makers, from famous brands to individual jewelers.

Please feel free to contact us by phone or from our webpage.

<http://www.yohkoh-cast.com>



TFL 6000MA

Programmable Rotary Burnout Furnace process.

TANABE KENDEN's original furnace provides you all the means of making the best quality molds. By having a muffle layer between the heater and the molds, the heat is more evenly distributed in the chamber, and the molds are perfectly heated. The heating program can be set to a maximum of 99 steps, allowing for highly detailed operation.

As an option, you can connect the furnace to your PC to record the actual heating process, so that you can analyze and improve your process.