

Shimane Prefecture

Nakamura Brace Co.,Ltd (Ohda City)


Pursuing of artistic quality through manufacturing technology of artificial appliances

Moriya Cutlery Laboratory (Yasugi City)

Manufacturing of oil pump for automobiles through the submicron precision

Stec Co., Ltd. (Yatsuka Gun)

Development of the world's first system of crystallization and observation for protein

<p style="text-align: center;">Pursuing of artistic quality through manufacturing technology of artificial appliances</p>	<p style="text-align: center;">Nakamura Brace Co.,Ltd</p> <p style="text-align: center;">132 Omori-cho, Ohda City Shimane Prefecture</p> <p style="text-align: center;">Established in 1982 TEL +81-854-89-0231</p> <p style="text-align: center;">http://www.nakamura-brace.co.jp</p>	 <p style="text-align: center;">Toshiro Nakamura President</p>
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The company manufactures artificial appliances according to the nuanced needs such as restoration of prosthetic limbs, artificial breast and a part of face for those who lost a part of bodies or got injured due to accidents or illnesses.

A start from zero


After accumulation of “training “to make prosthetic limbs in Kyoto and the U.S., Toshiro Nakamura, president returned to a hometown where ruins of “Iwami-Ginzan” exist, renovated a 10-tsubo barn in such place where depopulation progressed, and started his business. This was a start and establishment of business from zero. Thus, he educated local young people one by one initially, and devoted himself to accumulation of accurate advancement step by step while he had obsessiveness to create a product useful for lives of customers.

Manufacturing technology of medical art that can create a product just like a real thing


“ Vivify” as the artificial breasts made of silicon based on the development in 1992 become the company’s most successful ever concerning the females who lost breasts due to breast cancer operations. In 1995, the company established the Medical Art Research Laboratory. Research and development of correction technique that duplicates a part of body such as ear or nose that has been lost due to accidents or illnesses through using of silicon just like a real thing has been substantially started. Hand, ear, and artificial breast that have been surprisingly made just like a real thing concerning a shape and color for them are created through the world-class only one superior technology.

Many touching episodes


President Nakamura sent prosthetic limbs to a boy who lost both legs due to a big fire on the Mongol plain, and has continued to give him aftercare services thereafter. Moreover, he cooperated with “I love peace” as a movie based on protestations of peace, whose story was to create prosthetic limbs for a girl in Afghanistan that lost her one leg through a mine. He has many touching episodes.



Artificial breast



Artificial compensator made of silicon rubber



Manufacturing of oil pump for automobiles through the submicron precision

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Mitsuhiro Moriya
President

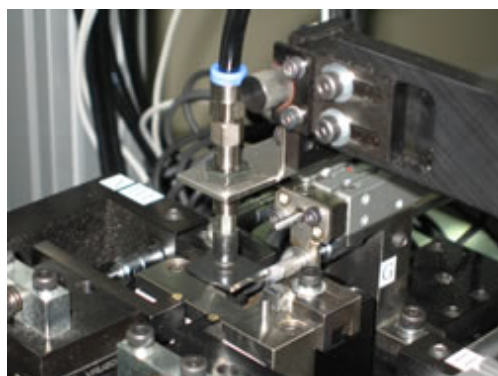
The company manufactures a vane for power steering that is essential for flexible movement of a car based on the development of submicron processing technology concerning of 1/10,000 millimeter. The company obtained more than 30% of the world share based on such product.

Establishment of a world-class brand through accumulation of iron-making process continuously performed from “Tatara iron-making process”

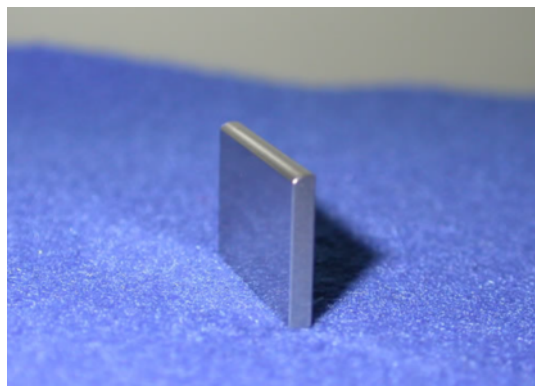
“Yasuki Hagane (steel)” crated through accumulation of iron-making technology continuously performed from the old times that has high quality and confidence on a global basis. Highly reliable heat treatment and precision cutting works to which traditional technology concerning creating a Japanese sword of the president that founded the company as a swordsmith was applied were implemented. Based on such obsessiveness concerning creation of a product, the company has become a maker of special steel precision processing that obtains good reputations from various fields.

Reliability from automobile makers caused through submicron ultra-precision processing technology

The field of automobile related components requires the highest reliability concerning the quality. A vane installed for a car that represents a use for power steering (oil-pump components) is an important security part of a car. Thus, highly advanced technology concerning ultra-precision processing is required. Due to the highly reliable mass-production submicron processing technology of the company, the vane is supported by many automobile makers in the world.



Automatic tester concerning a vane for automobile developed by the company



Submicron vane for power steering

Development of the world's first system of crystallization and observation for protein

Stec Co., Ltd.

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Masatsugu Nagashima
President

The company developed a system to automatically create crystals used for structural analysis for protein and to conduct growth management of the same. This allows a period necessary for crystal growth to be shortened from several months to 2 days through 2 weeks.

Automation of protein crystal growth and realization of a short-term growth

The company developed an integral enabling system from a device of protein crystal growth to observation unit. High quality crystals are necessary for structural analysis of protein crystals, and such analysis was performed manually. However, this system can allow unmanned operations for 24 hours concerning a series of operations such as crystallization, observation of crystals, and photomicroscopy. And enormous data can be compiled as a database.

Remarkable improvement of manual operations of researchers

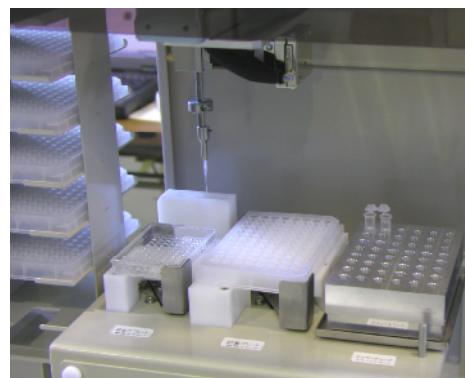
As a result, "Tanpaku 3000 Project" started in Japan for development of new drugs. In the midst of it, crystals necessary for structural analysis of protein that developed nations engaged in fierce competition were created manually by researchers for more than several months. However, use of this system enables operations for 2 days through 2 weeks.

Expertise in development of devices with a sense of speed

The company responds to requests of users such as researchers in a nuanced manner, and is good at creating devices with a sense of speed. At present, the company engages in development of a device synthesizing "sugar chains" which grab attentions as a third biologic molecule together with gene and protein.



Observatory unit for automatic crystallization of protein



Pipetting unit