NDK Inc.

https://www.ndkinc.co.jp

NDK will continue to keep creative energy up, develop our expertise in heat treatment and plasma technologies, and contribute to an environmentally friendly society by providing solutions utilizing the expertise.

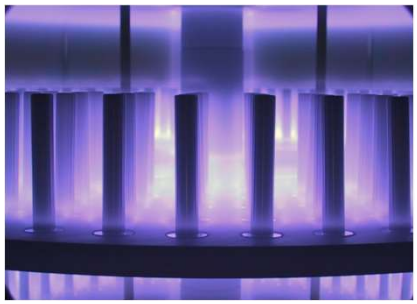
Our Services

We are NDK

It has been about 70 years since NDK was founded as a contract processor for induction hardening. Induction hardening processes are widely applied from large parts to precision components. NDK suggests optimum types of induction hardening to meet your requests with processing experiences in many industrial fields such as automobiles.

We will do the best for our customers.

Induction heating equipment using RF current is widely used in many industrial fields from heat treatments like quenching and tempering to industrial technologies such as forging and brazing. Different types of oscillators are used according to each use application. NDK proposes optimum specifications of equipment based on the wide experience and unique know-how we accumulated for about 70 years.

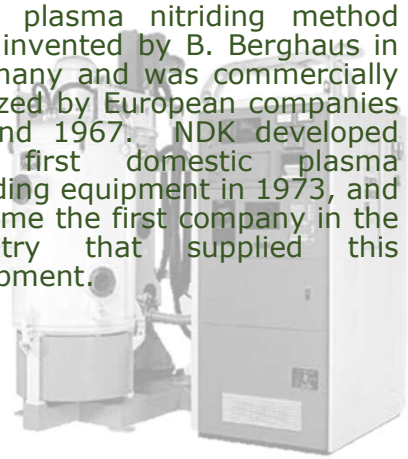


We think about the future of the Earth.

A Plasma nitriding process is a processing technology that can harden metallic surfaces such as steels, using nitrogen gas in the plasma state. This process can decrease gas and electrical power use. Also, the process is environmentally friendly based on SDGs because the process does not directly emit greenhouse effect gases.

We will never forget our pioneer spirit.

The plasma nitriding method was invented by B. Berghaus in Germany and was commercially realized by European companies around 1967. NDK developed the first domestic plasma nitriding equipment in 1973, and became the first company in the country that supplied this equipment.



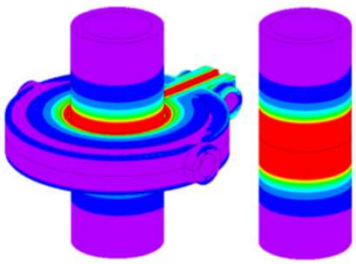
We keep creating.

An ion plating method enables a variety of high-functional coatings from hard ceramic coatings for industrial tools to DLC coatings, which improve the durability and machining performance. DLC coatings using plasma-CVD can be easily combined with the plasma nitriding process depending on the application.

NDK always takes on challenges.

<Recent efforts for NEW technologies>

- Fabricating metal components with metal 3D printer.
- Utilizing and developing CAE technology.
- Developing the equipment and methods for high-temperature nitriding using plasma.
- IoT for processing equipment.



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