

# Technical View for Aerospace



Aerospace



## Vacuum Heat-treatment, Atmosphere Heat-treatment

We provide heat treatment processing for aerospace components. By applying quality management system based on JISQ 9100 and the technology accumulated over 50 years. We can achieve satisfactory characteristics with non-oxidizing surface.

### Kind of heat-treatment

Quenching  
tempering

Precipitation  
hardening

Magnetic  
annealing

Annealing

### Equipment



Batch Type Furnaces for Vacuum & Atmosphere



3 room type big furnace  
1240W×2050L×900H

## Thermal Spray

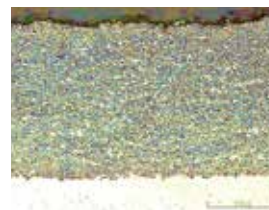
We perform thermal spraying processing of aerospace parts that are required to be wear-resistant, corrosion-resistant, oxidation-resistant, and heat-resistant.

### Thermal Spraying Films

W-C  
Various Ceramics (Al<sub>2</sub>O<sub>3</sub> etc.)  
Ni-Alloy, YSZ



HVOF



Ex. Cross section



Ex. Combustor

## Coating

### Coating Films

Various DLC  
CrN, Cr<sub>2</sub>N, AlCrN  
TiAlN, TiN, Hi-Coat γ etc.



Coating Process



Equipment



Ex.Products (Automotive)

Aerospace by ICS

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For 50 years, ICS has supported the industry in the special process of aerospace parts manufacturing with superior technology and thorough quality control.

## Vacuum & Atmosphere Heat-treatment processing

## Coating Processing

## Thermal Spray processing



Head office Kanagawa Factory



Niigata Factory



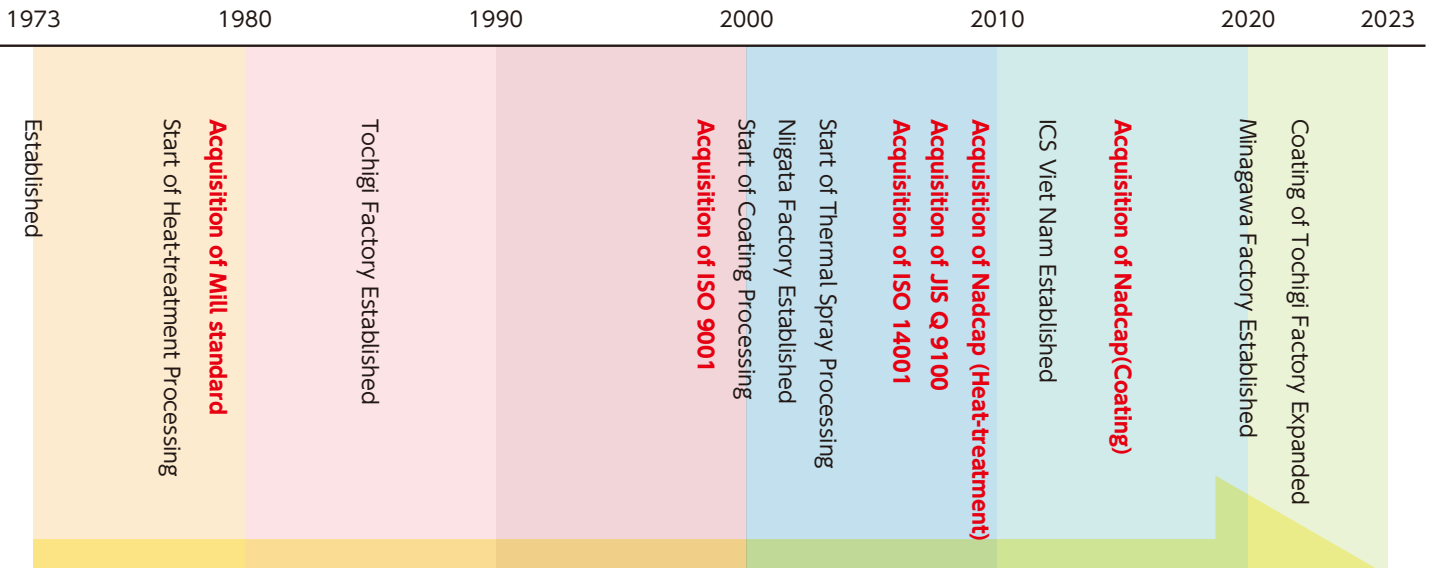
Tochigi Factory



ICS Viet Nam



Minagawa Factory



## Contact

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