



# HODEN SEIMITSU KAKO KENKYUSHO CO.,LTD.



株式会社 放電精密加工研究所

**CERTIFICATION** Nadcap(CP,CT,NM) , JISQ9100(AS9100) , ISO9001 , ISO14001

**WEBSITE** <http://www.hsk.co.jp>

## Outline of Business

- Machining of the low-pressure turbine blade for the aero gas turbine engine and various parts for rocket engine.
- Metal surface treatment of aero engine parts and automobile parts etc.
- Manufacturing of various molds for the ceramics honeycomb injection and Aluminum injection.
- Trust processing of industrial gas turbine parts, automobile parts and other metal product.
- Development and manufacturing of the mechatronics products.
- Manufacturing of the high precise and high efficient digital servo press.
- Trust processing of the press parts.
- Sales of the chrome free paint "ZECCOAT".



Digital servo press machine "ZEN Former"

## Our technology

■ **Technology of metal machining with electric discharge machining (EDM) as main.**  
 HSK covers the metal machining technologies of the EDM cultivated by experience more than 50 years, the manufacturing of precise mold by several machining methods and the surface treatment that first developed the chrome free paint in the world. Particularly, in the EDM, HSK is the Japan's largest company and has been supporting the "manufacturing" as a pioneer of the EDM.

HSK held the Chubu establishment as an aircraft part manufacturing hub and acquired Nadcap (CP, CT and NM) based on the experiences that have proceeded the trust production of aircraft parts more than 35 years. HSK has an evaluation from customer in the management of various special processes.

In 2015, HSK launched a consecutive manufacturing line for low-pressure turbine blade used in low fuel consumption engine made in Rolls-Royce, in Komaki, Aichi prefecture as a new attempt and HSK started the blade productions.

In the future, HSK are going to acquire Nadcap of NDT and weld process in addition to Nadcap of above special process (CP, CT and NM) and will push the business enterprise which specializes in aero-part production/manufacturing



The consecutive manufacturing line plant

## Facility & Equipment

### EDM equipment

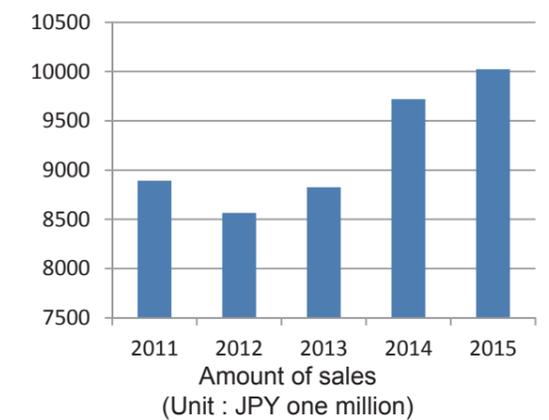
EDM	16	
WEDM	4	
Other machines	13	3-axis machining, EDM for small hole processing and various general-purpose machine

### Surface treatment equipment

Blasting Machine	10	
Various furnaces	14	drying furnace , pack furnace, diffusion furnace and vacuum furnace
Fluorescent penetrant testing (FPT) equipment	1	
Plasma spraying machine	4	

etc.

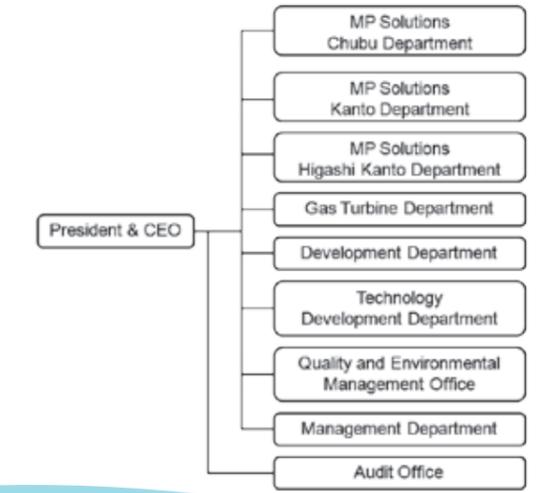
## Sales Amount



※ The data for each year in February period

## Organization

Employees: 478 (as at February 2015)



## Company Profile / Contact

<b>Representative</b>	Katsuhiko Futamura, President	<b>Address</b>	6-783 Sakashita-cho, Kasugai, Aichi 480-0305, Japan
<b>Capital</b>	JPY 890 million (USD 7.4 million)	<b>TEL</b>	+81-568-93-0666
<b>Major Customers</b>	IHI, KHI, MHI, MHPS, Denso, LIXIL, NGK Insulators	<b>E-mail</b>	info@hsk.co.jp