



TOBA KOKEN CO.,LTD.

鳥羽工研 株式会社



CERTIFICATION

JISQ 9100, JISQ 9001, ISO 14001
Nadcap (Heat Treating, Nonconventional Machining)
Boeing D1-4426 (BE10365503), P&W PWA119-1

WEBSITE

<http://www.tobakoken.co.jp/>

Outline of Business

- 1. Design, development and manufacturing of sheet-metal forming dies and jigs
- 2. Fabrication of sheet-metal parts of airframes and engines (aluminum and titanium)
- 3. Design, development and manufacturing of dies, and manufacturing of parts, sub-assemblies and BIWs for prototype automobiles

Our Strengths

- **Manufacturing of various sheet-metal parts using our own designed tools**
We have extensive experience of sheet-metal part manufacturing, including hydroforming, brake forming, punch press machining, etc.
- **Certification for special processes (heat treatment)**
We have obtained Nadcap certification for heat treating aluminum and are able to process 2024-T42, -T62; 6061-T42, -T62; 6013-T6; and 7075-T42, -T62, -T73.
Our furnaces can be calibrated by our own laboratory. Metallographic testing, hardness testing, tensile strength testing, etc. can be done in-house.
- **Laser beam machining certified by P&W and Nadcap(nonconventional machining)**
PW4000 engine parts made of Hastelloy material are machined using certified machines.
- **Machining sheet-metal of titanium**
Titanium sheet-metal can be machined by laser beam machining and abrasive water jet cutter.



Laser beam machining



Fluid cell press (Quintus)



Solution furnaces

Facility & Equipment (* Nadcap accredited)

Machining

NC router, NC machining center, abrasive water jet cutter, 5-axis laser processing machine*

Heat treatment

2 solution furnaces* (max. 1,800x800)
2 aging furnaces* (max. 2,000x1,000)

Forming

Bending roller (L2,600mm, t=6.0), brake press, mechanical press, hydraulic press (max. 2,000t) fluid cell press (L1,600xW600xH80mm, Quintus), one more press (L2,000xW1000xH120mm, Quintus) to be added in Feb. 2018

Inspection

CMM & digitizer (FARO)
Tensile testing machine*
Hardness tester*

Programing system

CATIA-V4, CATIA-V5



Abrasive water jet cutter



Bending roller



Hydraulic press

Important Information / Notices

TOBA KOKEN is one of the leading suppliers of the sheet-metal parts manufacturing industry in Japan. We are currently developing a more comprehensive system to handle everything from purchasing materials to surface-treatment painting. In the near future, we will also focus on assembly manufacturers overseas to expand our business worldwide.

Company Profile / Contact

Representative	Shigeo Sobajima, President	Address	2-11 Himegaoka, Kani, Gifu 509-0249, Japan
Capital	US\$3.3 million (\$1 = 120 yen)	TEL	+81-574-62-3220
Major Customers	Mitsubishi Heavy Industries, Ltd. Kawasaki Heavy Industries, Ltd. Subaru, Ltd. / Shinmaywa Industries, Ltd.	E-mail	m-sobajima@tobakosan.co.jp