



FUKADA, Specializes in Metal Heat Treatment.



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- Marketing Contact / Masafumi Shimada
- Quality Contact / Junji Wakamatsu
- Capital / 10 million Japan Yen
- No. of employees / 70 (incl. 24 HT Engineers)

Major Products are parts for:

Aerospace Industry	Automobiles and Motorcycles
Machine Tools	Construction Machinery
Agricultural Machinery	Railroad Vehicles
Medical Equipment	Sporting Goods

Major Clients (in alphabetic order)

Komatsu Ltd.	Sekigahara Seisakusho, Ltd.
NSK Ltd.	Sumitomo Precision Products Co., Ltd.
Daido Kogyo Co., Ltd.	Takabayashi Mfg. Co., Ltd.
FUJI SEIKI Co., Ltd.	Takamatsu Machinery Co., Ltd.
Karatsu Precision, Inc.	Tohshin Seiki Co., Ltd.
Nakamura-Tome Precision Ind. Co., Ltd.	Tsukiboshi Mfg. Co., Ltd.
Okada Kenma Co., Ltd.	Tsudakoma Corporation

Certifications

AS9100 (certified in 2016), Nadcap accredited with Heat Treating
 For Heat treatment, customer-certified by (in alphabetic order);
 Collins Aerospace, Hitachi Construction Machinery,
 Honda Aircraft Company, Komatsu, KYB, Nabtesco, NSK,
 Sumitomo Construction Machinery, Sumitomo Precision Products



Equipment		Unit	Equipment		Unit
<Head Factory>			<Kanazawa Factory>		
Continuous Gas Atm. Furnace	400~600Kg/H	3	Large Batch-Type Air Atm. Furnace	1,300Hx2,000Wx4,000L	1
Continuous Tempering Furnace		3	Large Batch-Type Tempering Furnace	1,300Hx2,000Wx4,000L	2
Vacuum Furnace	600Hx600Wx1,200L	1	Batch-Type Gas Atm. furnace	1,120Hx760Wx1,220L	4
Batch-Type Gas Atm. Furnace	800Hx760Wx1,200L	1	Batch-Type Tempering Furnace	650Hx760Wx1,220L	2
Batch-Type Air Atm. Furnace	800Hx760Wx1,200L	1	Induction Hardening Equipment	φ250x2,000	2
Al Solution/Aging Furnaces	1,300Hx1,200Wx2,000L	1 each	Truck-Type Tempering Furnace	1,200Hx1,100Wx2,500L	1
Batch-Type Tempering Furnace	800Hx760Wx1,200L	4	Table-Type Shot Blasting EQP		1
Truck-Type Tempering Furnace	1,200Hx1,200Wx2,400L	4	<Both factories are equipped with;>		
Induction Hardening Equipment	30 to 250 KW	7	Rockwell Hardness Testing Machine		
Lateral motion type I.H. EQP	1,100Hx2,000Wx12,000L	1	Microhardness Tester		
Apron Type Shot Blasting EQP		1	Brinell Hardness Testing Machine		
			Shore Hardness Tester		
			Inverted Metallographical Microscope		
			Magnetic Particle Inspection Equipment		

Special Notes

FUKADA has been accredited with Nadcap (National Aerospace and Defense Contractors Accreditation Program) for heat treatment, and heat-treating various aerospace parts, in the production line used exclusively for this industry. FUKADA has expertise in the area of quenching and tempering of steels, in addition to vacuum heat treatment of precipitation hardening of corrosion-resistant steels. Landing gears for HondaJet and Mitsubishi SpaceJet are among FUKADA's major heat treatment aerospace applications.

Selling Points

FUKADA heat-treats aerospace parts in high quality metals. Constantly seeking excellence in quality control since the foundation of the company has enabled FUKADA to supply parts and services with stable quality. FUKADA had established its quality management system before joining the aerospace industry in 2012. The mission of Monozukuri, or, the spirit of manufacturing with craftsmanship, has been naturally inherited in FUKADA engineers' DNA since the foundation. With pride in this culture, FUKADA is committed to seek further quality improvement.

Core Technology and Specialism

FUKADA, specializing in heat treatment, conducts nonoxidizing heat treatment, induction hardening, carburizing heat treatment, vacuum heat treatment, aluminum solution treatment, material thermal refining, annealing, normalizing, etc. During the nonoxidizing heat treatment, parts in the furnace are heated in the sustained endothermic atmosphere, thus minimizing surface oxidation and scale generation. Induction hardening quenches the targeted surface areas of gears, bushes, shafts, etc., with special heating coils. That is, high frequency induction heating. This way of quenching gives abrasion resistance and fatigue resistance to the processed parts as required by customers. Vacuum heat treatment quenches parts in a vacuum condition. The quench hardening results in a beautiful silvery-white surface finishing while realizing necessary mechanical properties, no surface staining, or no scale generation. FUKADA's precision programming enables perfectly controlled environment in the vacuum furnace and eliminates the possibility of quality dispersion. This furnace has been operated as our main heat treatment equipment exclusively for aerospace applications. FUKADA's extensive lineup of heat treating equipment coupled with the engineers' expertise ensures optimal heat treatment to satisfy customer requirements for different shapes, materials, and qualities.

Others

FUKADA has focused on improving its expertise in heat treatment with great enthusiasm ever since the company's establishment in 1963. The effort is ongoing through the milestone of 50th anniversary in 2013 to today. FUKADA's experienced heat-treating engineers who has led the proven history are all ready to support customers with the best expert solutions.

