

# Digital Guide Sheet

Casting Forging	Stamping	Metalworking	Die	Resin	Electrical Electronic	Rubber	Prototype	Jig Tool	Equipment	Surface treatment	Others
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<b>Company name</b>						<b>Industry / Market segment</b>					
KUWAHARA CASTING CORPORATION Co.,Ltd.						Casting, cutting works, nondestructive inspection					
<b>Company representative</b>						<b>Location</b>					
Kenzo Kuwahara						518 Higashiyuriage, Kuwana-shi, Mie 511-0806					
<b>Capital</b>			10 million yen			<b>Annual sales</b>			700 million yen		
<b>No. of employees</b>			40			<b>Certification</b>			ISO9001, JIS certified factory		
<b>Business outline /Products</b>						<b>Customers / Suppliers</b>					
Manufacture and sales of casting products						Aron Kasei Co., Ltd., Hino Motors, Ltd.					
Nondestructive inspection with CT scanner						Knorr-Bremse Commercial Vehicle System Japan					
<b>Overseas office</b> No						<b>Overseas transaction</b> No					
<b>Selling points</b>											
<p>1) Deliver small-lot parts, such as casting prototypes, with short lead time by in-house integrated manufacturing system.</p> <p>2) Perform nondestructive inspection using CT scanner.</p>											
<p>1. Manufacture on assignment of small-lot parts, such as casting prototypes</p> <p>1) Lead time from release of drawing for a lot of less than 10 pieces Casting: 1 week + processing: 1 week = 2 weeks</p> <p>2) Materials used FC, FCD, heat-resistant FCD, regular cast steel, heat-resistant cast steel, AC in general</p> <p>3) Manufacture results - Main products: Automobile parts, industrial machinery parts, cookware - Product unit weight: Cast iron: 1 - 150 kg, cast steel: 1 - 40 kg, aluminum: 0.1 - 30 kg</p> <p>4) Others - Possible to handle heat treatment and painting - Possible to handle machining and cutting with the material provided</p> <p>2. CT scan service We have a high-end machine with high power and high accuracy, enabling inspection with clear field of view.</p> <p>1) Inspection items Identification of internal defects, comparison with 3D model, measurement of internal and external dimensions, visualization of inside of unit part, preparation of 3D model by scanning actual product</p> <p>2) Specifications - Maximum sample size: φ660 mm x H820, 50 kg - Available materials: Heavy metals in general, light metals in general, resins, etc.</p>											
<b>Main equipment</b>											
3-ton high-frequency induction furnace, 100-kg high-frequency induction furnace, 50-kg aluminum melting furnace (2 units), Automatic molding line for green sand mold (2 lines), Bench molding equipment, 5-axis machining machine (Φ600, Φ800), NC lathe (Φ380 - Φ450), Cathodic electrodeposition line, CT scanner (450 KVA), 3D measuring instrument, Component analyzer, Universal testing device, Brinell hardness tester											
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