

Innovation for the Future

Art&Techno

NAGAE Ltd. Company Overview

Better Living Through Metal

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



Art Division focuses on traditional and modern home decors.

A r t
D i v i s i o n

Original Brand



Buddha Statues



Bronze statues and busts

<http://www.e-douzou.com>



Landscape architecture



The gate of Emperor Showa's tomb

Rise building, Shibuya-ku, Tokyo

Mementos, Fine Arts and Crafts



We welcome OEM or customise our products.

Traditional home decors: Samurai helmets, Vases, Incense burners, Buddha statues, and Buddhist objects



Technology

Division

Technology Division focuses on industrial products and building materials, based on die-casting techniques.

Original building products



Entrance Panels



Laundry Pole Holders



Security Locks for mailboxes

Industrial and building products (OEM)



Die-casted and Precision-casted Products



Casted Products

Our OEM products include gas metre products, building materials, car components, and medical equipment. We work with major building material suppliers in Japan.



Technology & Quality

Total Manufacturing System - Our knowledge and techniques can turn your ideas into realities

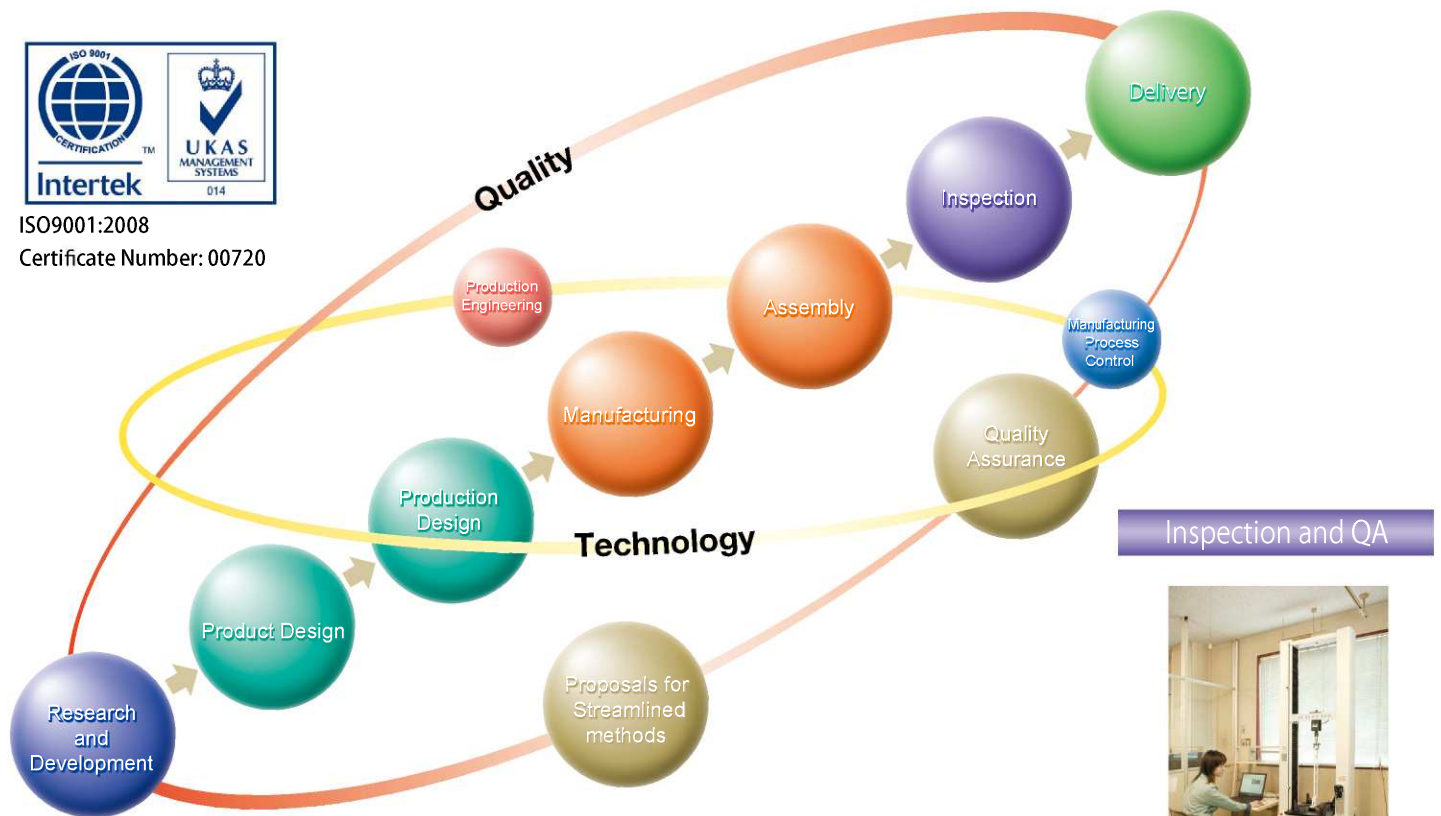
From the early stage, we involve ourselves in making your ideas/images into a real product based on the knowledge and extensive metalwork expertise.

NAGAE designs and manufactures your products, controlling every phase of production. Our total manufacturing system makes it possible for us to distinguish ourselves in the marketplace by focusing first on our customers' evolving needs.



ISO9001:2008

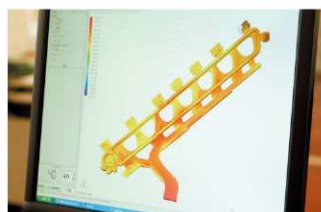
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Product Design



Production Design



Manufacturing



Assembly



Process & Equipment

Our Cutting-edge Equipment can optimise our total manufacturing system.

NAGAE has been the leading provider of advanced die casting and fabrication solutions in Japan. Our products are still continuously being improved, evolving to meet the changing needs of our customers. Every effort is for customers' satisfaction.

Die Casting

Ultra High-speed Die-casting Machines (from 350 to 800 ton)

Q: What is an ultra high-speed die casting machine?

A: An ultra high-speed die casting machine is a die-casting machine with high-speed injection. In high speed casting machines, the injection speed of the plunger minimizes the partial solidification of the metal in the injection sleeve.



With 'In-house Total Manufacturing System', NAGAE offers great flexibility from small lot to mass production.

For customers who don't want to hold in stock, no worries! NAGAE meets your demand for producing products from 50 pcs at minimum.



A product with thin-wall (made of ADC 12)

1. Bevelled surface : $t = 0.57$
2. Plane surface : $t = 0.65$
3. Edge : $t = 0.85$



Our Main Casting Processes

■Die-casting

Die-casting is a metal casting process that is characterized by forcing molten metal (such as aluminium, magnesium, and zinc alloy) under high pressure into a mould cavity to manufacture high accuracy moulded products.

■Sand-casting

Sand-casting is a metal casting process characterized by using sand as the mould material.

■Lost-wax casting

Lost-wax casting is a metal casting process and quite close to the traditional ceroplastique technique and characterized by high repeatability and the surface smoothness. It is the suitable way to cast complicated shapes.



COMPANY DATA

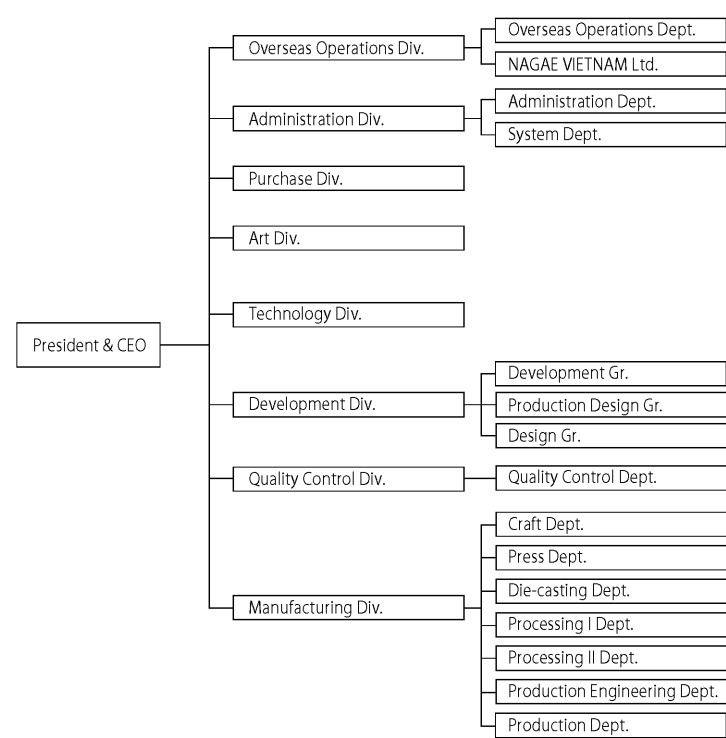
Company Overview

- Company Name: NAGAE Ltd.
- Founded : 1st November, 1954
- Established : 1st July, 1986
- Capital : JPY 50,000,000
- Business Description : a multifaceted metal business based on die-casting
(Zinc alloy, Aluminium, and Brass)
- Main Products: Industrial Products, Building materials, Arts and Crafts, Buddhist objects
- Main Customers: (Technology Division): TOYOGASMETER Co., Ltd,
SankyoAlumi-Company, LIXIL Corporation, YKK AP

Company History

- 1954 NOV was founded in Takaoka-shi
- 1962 AUG began to produce gas metre parts
- 1967 NOV launched die-casting production
- 1970 DEC produced die-casted arts and crafts (first manufacturer in Takaoka-shi)
- 1982 MAY introduced full-automated die-casting machines and shot blasting machines
- 2002 APR opened Tokyo branch
- 2002 JUL introduced a high-speed 800t pressure die-casting machine
- 2002 SEP received the ISO 9001:200 certification
- 2010 FEB held an exhibition in Shinjuku, Tokyo
- 2011 JAN exhibited 'New York International Contemporary Furniture Fair (ICFF)'
- 2012 JAN exhibited 'New York International Gift Fair 2012'
- 2012 FEB exhibited 'MAISON & OBJECT 2012 Paris'
- 2012 JUL exhibited 'Japan EXPO Paris 2012'
- 2013 FEB exhibited 'Ambiente 2013' in Germany
- 2013 MAR established NAGAE VIETNAM Ltd.
- 2014 MAR completed its factory construction in Viet Nam

Organization Chart



Facilities

- ### Die-casting Machines
- 800t (ultra high-speed):1pcTOSHIBA DC800CL-HT
 - 650t:1pc TOSHIBA DC650C
 - 500t:1pc TOYO BD-500V4-T
 - 350t (ultra high-speed):1pc TOSHIBA DC350J-MS
 - 350t:3pcs TOSHIBA DC350CL-T
 - 250t:6pcs TOYO BD-250V4-T
 - 125t:2pcsTOYO BD125V2C-P
 - 50t:4pcs Shinozuka SD-50N

- ### Measuring Instruments
- Three dimensional measuring machine (CNC) MITSUTOYO
Crysta-ApexC7106
 - Emission spectrophotometer SHIMAZU PDA-7000
 - Electronic leak detector Cosmo Instruments LS-1866
 - Universal testing machine autograph SHIMAZU AGS-J

- ### Machining Tools
- Machining CentreFANUC α-T14iFa/FANUC
 - Milling machine SHIZUOKA MACHINE TOOL
ST-BC
 - Multi-plane machining lines
 - Abrasive machine SOKEN KOGYO BS-10A
 - Riveting machine
 - Three-direction combined machining centre SUGINO
MACHINE
DM- III #20



NAGAE Ltd.



NAGAE VIETNAM Ltd.

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