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Welcome to SIGMA-GIKEN



Updated: Sep., 2012



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Company profile

Product line up

□ Reducer (Gear/ Gear-motor)

- 1) Parallel shaft type
- 2) Single phase motors
- 3) Orthogonal shaft type
- 4) Hollow shaft type
- 5) Worm gear type

□ Shredder



Company profile

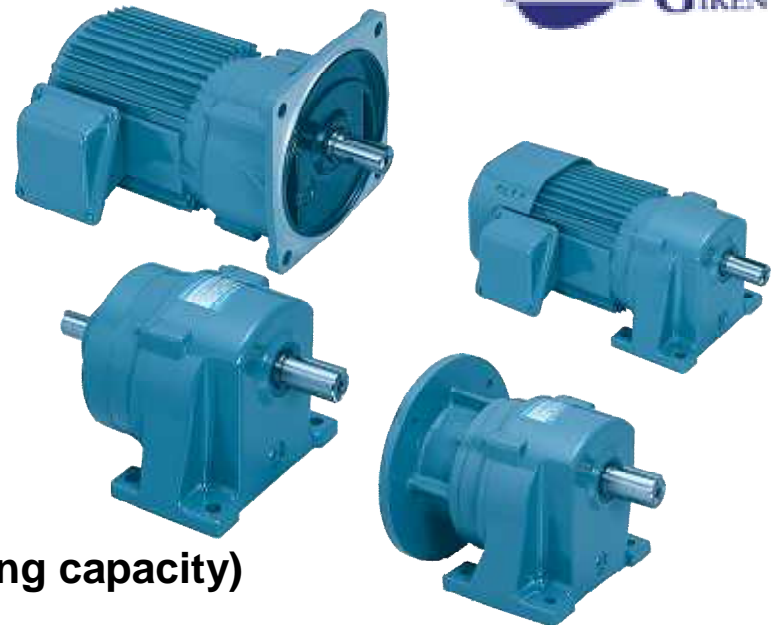
Established in	April 1975
Capital	JPY 303.16 million
President (CEO)	Masato Hayashi
Amount of sales	JPY 1,404 million (as of March 2012)
Products/Service	Development , designing , manufacturing & sales of: Gear-motor, gear reducer, shredder, film packaging machine & other related products.
Number of employees	76 employee (including part-time workers; as of April)
Headquarters	1611 Sekoizumi, Toin-cho, Inabe-gun, Mie 511-0252 <u>JAPAN</u> Phone: +81-(0)594-76-7611 Fax: +81-(0)594-76-6081
Subsidiary	SIGMA-GIKEN SHANGHAI CO.,LTD #3588 Cao-Ying Road, Zhaotun Town Industrial Park, Qingpu, Shanghai, Shanghai, CHINA Phone: +86-(0)21-5922-8711 Fax: +86-(0)21-5922-8700
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Parallel shaft type

Features

- **Excellent cost performance**
- **Various models**
- **Reinforced gear case**
- **Maintenance free**
- **Equipped with terminal-box/block**
- **Enhanced gear longevity (by improving sealing capacity)**



Kinds of models	<ul style="list-style-type: none">- Parallel shaft (Foot / Flange mount style)- With / Without 3-phase motor- With clutch brake- Both-end shaft- With mount base
Output range	0.1kw - 3.7kw
Motor specification	<ul style="list-style-type: none">• 3-phase/Totally enclosed non ventilated (0.1 / 0.2kw)• Totally enclosed fan cooled (0.4 - 3.7kw)• 200V – 480V
Reduction ratio	1/5 - 1/1200



Single-phase motors

Features

- **Excellent cost performance**
- **Various models**
- **Applicable to various range of output / reduction ratio**



Kinds of models	- Parallel shaft (Foot / Flange mount style) - With / Without single-phase brake
Output range	0.1kw – 0.75kw
Motor specification	• Single-phase / Totally enclosed non ventilated (0.1kw) • Totally enclosed fan cooled (0.2 – 0.75kw) • 100V, 200V
Reduction ratio	1/5 - 1/1200



Orthogonal shaft type

Features

Special gears developed by *Sigma-giken* provide:

- **Excellent cost performance**
- **High efficiency (90% or more)**
- **Low noise**
- **Light weight / compact size**
- **Improved longevity**
- **Maintenance free**



Kinds of models	- Orthogonal shaft (Foot mounting style) - With / Without 3-phase brake
Output range	0.1kw – 1.5kw
Motor specification	• 3-phase / Totally enclosed non ventilated (0.1, 0.2kw) • Totally enclosed fan cooled (0.4 – 1.5kw) • 200V - 480V
Reduction ratio	1/5 - 1/240



Hollow shaft type

Features

Special gears developed by *Sigma-giken* give us:

- **Excellent cost performance**
- **High efficiency (90% or more)**
- **Low noise**
- **Light weight / compact size**
- **Improved longevity**
- **Maintenance free**



Kinds of models	- Hollow shaft (Flange mounting style) - With / Without 3-phase brake
Output range	0.1kw – 1.5kw
Motor specification	• 3-phase / Totally enclosed non ventilated (0.1, 0.2kw) • Totally enclosed fan cooled (0.4 – 1.5kw) • 200V - 480V
Reduction ratio	1/5 - 1/240



Worm gear

Features

Selected materials and treatment method

Wheel--- Special brass

Shaft --- Chromium molybdenum steel
after carburizing and quenching treatment



Kinds of models	-Single stage worm gear (Shaft type: Upper, Lower, Vertical)
Distance between shaft and gear	50, 60, 70, 80, 100, 120, 135
Reduction ratio	1/10, 1/15, 1/20, 1/30, 1/40, 1/50, 1/60

Shredder

Basic concept : Safety & Ecology

Safety

Safety device (for high feeding capacity models) to detect excessive paper feeding, and stop automatically



Ecology

Main Power Auto Off mechanism for zero power consumption, and for preventing wrong operation

Paper/Plastic materials handling: Paper and plastic (CD, card, etc.) are separately collected into different containers.

Kinds of models	Eight (8) models (including one model which is available for handling both of paper and plastic)
Cut Type	Cross-cut
Voltage	AC 100V



**Please visit our site at :
<http://www.sigma-giken.co.jp>**

**If you have any questions on our products, please feel free to ask our
professional engineers.**

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