

Japan General Inc.



Company's Outline

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Company Profile

Registered Name:Japan General Inc.

Address:12F Yurakucho Itocia Office Tower
2-7-1 Yurakucho,Chiyoda-ku
Tokyo Japan 100-0006
TEL: 03-6860-4696 / FAX: 03-6860-4868
E-mail: info@j-general.co.jp

Foundation:January 12, 1950

Capital:50 million yen

Annual Sales:3.4 billion yen

Employee:33

Business:1. Trading of Ceramics Material
2. Production and Processing of Ceramics Material
3. Mining and Distribution of Silica stone for Cement and Ferro-alloy

Bank:Bank of Tokyo-Mitsubishi UFJ, Fukuoka Bank,
Yamaguchi Bank, The Shoko Chukin Bank

Affiliated Company:Nissin Kogyo Inc.

364 Nagahama, Momozugo, Kawatana-cho,
Higashisonogi-gun, Nagasaki Prefecture, Japan

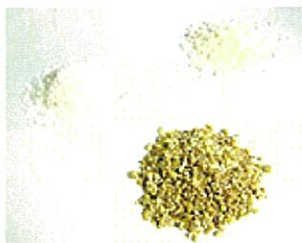
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Distribution of Raw Materials for Ceramics

As an expert dealer, we distribute various raw materials for ceramics produced by Japanese and overseas manufacturers through our sales channel developed in our long history.

Strong relationship with excellent raw material manufacturers makes us possible to supply high quality materials stably.

Refractory Material



50 years experience as an expert dealer of refractory material, which is indispensable for production of steel and nonferrous metals, supports our business.

Alumina, Silicon carbide, Magnesite, Silica, Zirconia, Spinel, Mullite, Silicon nitride, Boron carbide, Alumina cement, Metal powder, Binder, others

Raw Material and Formed Material for Fine Ceramics



We distribute high purity raw materials and formed materials used for ceramics which is applied to various and potential products.

Alumina, Silicon carbide, Magnesite, Silica, Zirconia, Silicon nitride, Boron nitride, Boron carbide, others

Polishing Agent



Raw materials for grinders and polishing agents, which are used for grinding and polishing, are distributed.

WA, A, SA, PW, C, GC, Fine polishing agent, Super abrasive, others

Raw Material for Glass Production

Various raw materials for glass are distributed.

Coating Material of Thermal Spraying

Thermal spray processing is watched with keen interest and our company trades diverse powders for thermal spray.

Other Ceramics Materials

Please consult us about other ceramics materials not mentioned in the above.

Production and Processing of Raw Materials for Ceramics

We covers from development to distribution of ceramics materials utilizing our sufficient experience and our production facilities such as electric fusion facilities and various crushers.

Original Products

Fused Products



Development, production and processing of various fused materials are performed in our Product Center which equips electric fusion furnace.

Application for fused materials of magnesia system
Base refractory, Insulator, Single crystal

Mining Products

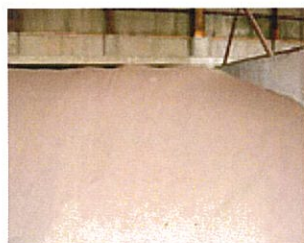


Our mines are located in Ofuku and Kanda areas in Japan and high quality silica stone is dug. The silica stone is applied to various products.

Application for silica stone and loose sand
Ferro-alloy, Adjuster for steelmaking, Cement

Original Processed Products

Zircon Sand, Zircon Flour



Zircon imported from Australia and South Africa is crushed at our facility in accordance with particle size required by users.

Application for Zircon sand and Zircon flour
Refractory, Molding materials

Crushing of Various Raw Materials

Please consult us about crushing of various raw materials.

Others

Recycling of Unnecessary Material

Please consult us about re-fusion of materials by electric furnace.

Profile of "Ofuku Silica Stone" Mine

Name of Mine	Hiragaofuku Mine
Mining Area Registered Number	Mining Rights No. 784 of Yamaguchi Prefecture
Mining Area Location	Kamiaza Ryugenchi, Ofuku-cho, Mine-shi, Yamaguchi Prefecture
Ores	Silica stone, Gold, Silver, Copper
Mining Area Size	13,589 ares
Entitled Mining Company	Japan General Inc.
Address	14-22, Konya-machi, Kokurakita-ku, Kitakyushu-shi, Fukuoka Prefecture
Date of Registration	September 8, 1952

- 1. Location and Access** The mine exists at the north side of Ofuku station of JR Mine line along Route 316.
The mining office is located approximately 2 Km from Ofuku station and mining area is at approximately 300 m from the mining office taking an exclusive road for the mine to east. The location is very easy to access.

2. Operations

《History》

Silica stone had been shipped to users as a raw material for refractory brick from 1953 to 1955. After 1956, we had stopped mining of silica stone due to decrease of demand. Afterward, mining operations have been resumed earnestly since 1960 on the backdrop of new demand for ferro-alloy application. Currently, we supply silica stone to various users for production of steel, silicon carbide and building materials.

《Recent Condition》

There was a ridgeline from south to north with the summit at the altitude of 348 m in the middle of 13,600 ares mining area. Digging was started from at the middle of the mining area. Now, we are digging north slope and south slope, where is approximately 270 m down area from the summit of ridgeline, by bench-cut method. Top soil is as thin as 2 to 3 m and there is a hard silica rock layer under the topsoil. Silica rocks are exposed at various points.

3. Reserve

Definite Ore Reserve :Approx. 3.6 million metric tons.
Estimated Ore Reserve: Approx. 25 million metric tons.

4. Ore Sorting

After raw ores are thrown into bin from dump trucks, screened small size ores are removed. Afterward, raw ores are crushed in the first and second crushers. The crushed ores are washed with fresh water in a drum washer and stocked in material tanks after size sorting.

5. Chemical Composition (Standard Grade)



>>Silica stone

SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	MgO	CaO	lg-loss
97.50	0.80	0.36	0.05	0.03	0.65



>>Silica sand
(Maximum size 5 mm)

SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	MgO	CaO	lg-loss
96.83	1.14	0.40	0.07	0.07	0.67



>>Loose sand

SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	MgO	CaO	lg-loss
94.80	2.70	1.30	0.20	0.60	1.10

6. Application

Ferro-alloy, Silicon carbide, Building materials,
Sub-raw materials for steel production, Cement,
Civil engineering and construction (Road and floor
etc.), others

Main Trading Products

Fused Raw Material: Silicon carbide, Fused alumina,
Fused mullite, Fused spinel,
Fused zirconia,
Fused zirconia mullite,
Fused alumina zirconia,
Fused cordierite,
Fused magnesia, Fused silica

Sintered Raw Material: Sintered alumina,
Calcined alumina,
Alumina hydrate,
Synthetic mullite,
Magnesia clinker

Natural Raw Material: Zircon sand, Zircon Flour,
Silica sand, Agalmatolite,
Calcium carbonate, Bentonite

Other Raw Material: Ferrosilicon nitride,
Alumina cement, Boron carbide,
Phenolic resin,
various metallic powders,
various binders



Sintered Material: Alumina, Silicon nitride,
Boron nitride, Silicon carbide,
other composite, Refractory

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