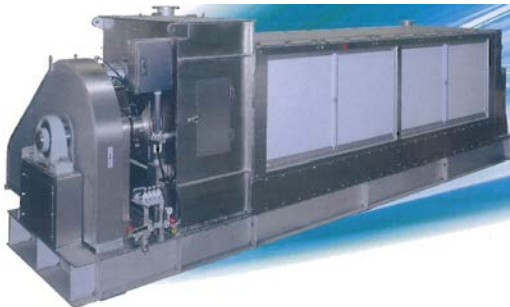


ISHIGAKI COMPANY LIMITED

Since its foundation, **ISHIGAKI** Co., Ltd. has followed a company policy of “Technology is the path to reliability.” has developed and manufactured an entire range of unique and excellent filters, separators, pumps and propulsion machines. Our products have been utilized in many fields, including water treatment, sewage treatment, and industrial production processes. **ISHIGAKI** products demonstrated their technological elegance and efficiency in areas ranging from the treatment of water for daily use to the preservation of the water environment. This large variety of products has been designed and developed to protect the global environment, and our products have been highly appraised overseas, as well as in Japan, as excellent technologies for saving energy, resources and power.

Products & Plant

All of Products have many track records in Japan and Overseas



Screw Press “ISGK”



Filter Press “ISD-G”



Rapid Filter “IFW”



Pumps



Sakaide Plant near Great Seto Bridge (Kagawa Pref.)

Company Summary

Location	Head Office :1-1-1, Kyobashi, Chuo-ku, Tokyo Yaesu Dai Building				
	Branches: Sapporo, Sendai, Nagoya, Osaka, Takamatsu, Hiroshima, Fukuoka				
URL	http://www.ishigaki.co.jp/english/				
President	Ishigaki, Makoto				
Establishment	April, 1958	Employees	456	Capital	510 million yen
Summary of busines	• Manufacturing/Selling of filter, separator, pumps, water-jet propulsion system				
	• Design/build of water treatment plant, sludge treatment plant, pump station				
Contact	Head office (Tokyo), International Department				
	Phone: +81-3-3274-3518		Fax: +81-3-3274-3557		

ISHIGAKI COMPANY, LTD.

Pressing Rotary Outer Cylinder-type Screw Press **ISGK**

■ Efficient sludge volume reduction with Continuous pressurizing dehydrator

Pressing rotary outer cylinder-type screw press **ISGK** is a continuous pressurizing dehydrator which reduces sludge volume efficiently by cylindrical metal filtering screen and screw, not using a filter cloth.

■ **Application** Sewage Sludge etc.

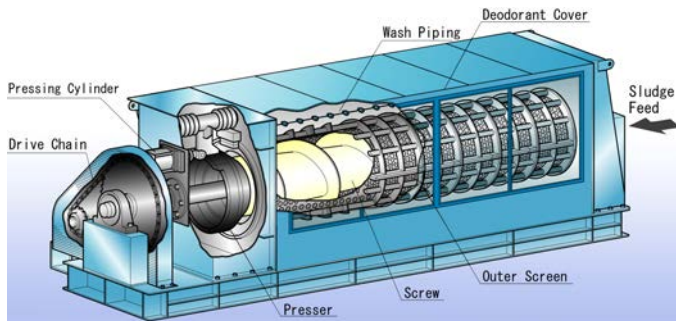
■ Features

● Easy Maintenance

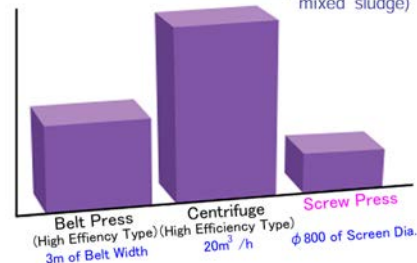
- As compared with the conventional dehydrator using filter cloth, less consumable parts and less washing water consumption, and easier maintenance.

● Environmentally Friendly

- Electric power consumption accounts for about 1/15 of centrifugal dehydrator rotating at high speed. In addition, the vibration and noise level of **ISGK** are nothing in comparison with centrifugal dehydrator.



■ Annual Power Consumption Comparison. (at a rate of 1.5% mixed sludge)



Fiber-Media Rapid Filter **IFW**

■ High-speed and energy-saving filter with fiber media

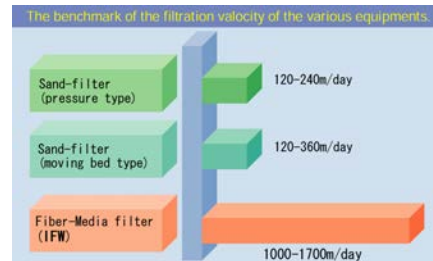
The fiber filter media with high void volume and media back-washing system by water stream mixing in **IFW** make extensively possible higher rate filtration and smaller energy consumption than the conventional sand filter.



Left : Sand Filter (20m²)
 Right: Fiber-Media Rapid Filter **IFW** (3m²)
 Both have same performance (2,500 m³/day)

■ Application

Advanced treatment, Reclaimed water, etc.



■ Features

● Saving space due to high-speed filtration

- A filtration velocity is about 6 times of the conventional sand filter. (ISHIGAKI bench mark)

● Energy-saving operation

- The fiber filtering media has less pressure loss due to its high void ratio.

● Reliable back-washing of filter media with less washing water

Reliable filter media washing can be achieved by agitator device. It can lead to a long term stable operation.