

Photocatalytic Air Purification

~PCF®~

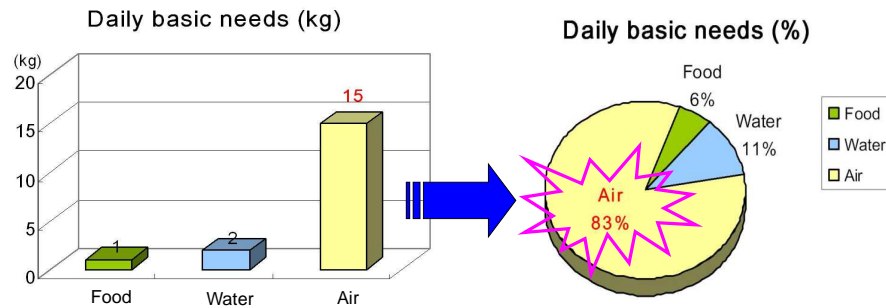
Toyokosho Co., LTD.

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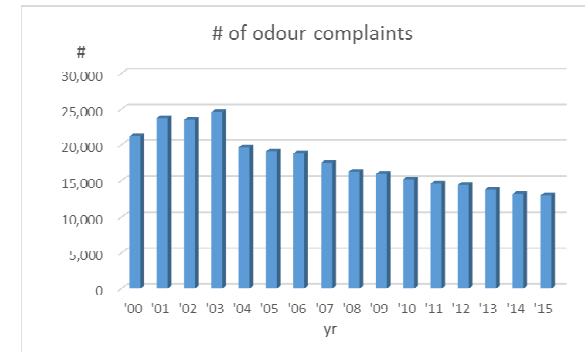
- Odour problems in Japan
- About the company
- PCF®
- Our achievements and aspirations
- Corporate information / Our heritage
- Our products

Did you know?

- Air, water and food are essential for living. But do you know how much we need to survive?



Japan's Odour Problems



[WHY SO HIGH?]

- For years now, bad odours have been blamed for less productivity and health problems.
- As more areas become urbanized, more commercial facilities are being built near residential areas.
- Now, more communities are demanding action on offensive odours especially kitchen exhaust from food service industries.

Laying the Law Against Bad Odours

- To protect the city and public health, the Ministry of the Environment passed the "Offensive Odour Control Law" in 1971. It helps standardize and regulate odours coming from any kind of factory and business.

The law applies to . . .
 Restaurants, Shopping malls, Department stores, Hotels, Offices, Hospitals, Schools, Processing food plants, Waste management facilities etc...

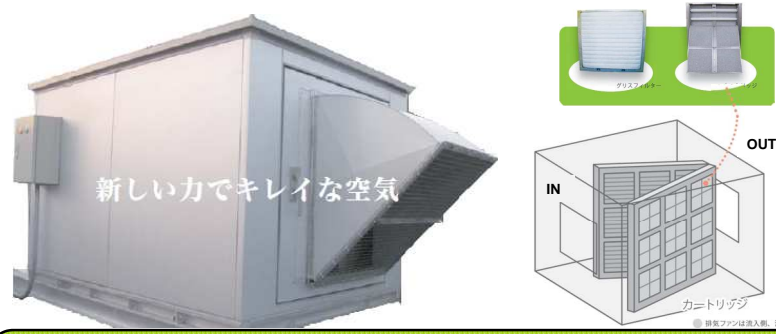
If they violate it, they're...

PENALIZED

Our company's solution to Japan's Odour Problems

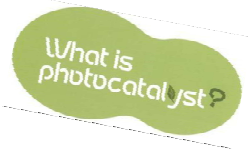
- Founded in 1988
- Toyokosho has over 20 years of experience in making air quality and purification systems. That makes us one of the top manufacturer & sellers of Photocatalytic air purification systems specialized for industrial exhaust.
- Shopping malls, schools, laboratories, resort hotels, processing food plants, and school lunch centres use our products. (More than **360** units sold in **170** different entities)
- Our research and development is so dedicated to improving air quality.

The Solution: Photocatalytic Air Purification ~PCF®~



PCF® is specially made for industrial exhaust systems. It absorbs and helps remove odours and kills bacteria through its Photocatalytic functions.

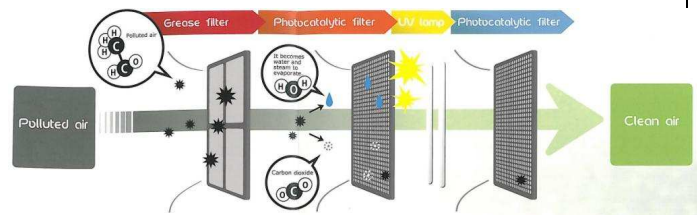
What is Photocatalyst?



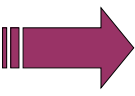
- It's a material that activates its oxidizing power when light is shone on it. Once it's on, it breaks down toxic substances, odours and dirt.

- [5 Utilization]**
- Deodorization
 - NOx Decomposition
 - Anti-Bacteria
 - Dirtiness Prevention
 - Water-Treatment

Features



- Capable of 1,000 ~ 150,000m3/h air-flow rates
- Equalized air-pressure distribution by using fluid mechanics calculation
- Photocatalytic filters are highly porous with extremely small air resistance.
- Has extremely large contact area to help dissolve odours.



* High efficiency * Environment Friendly
 * Low starting and running costs * Space saving

Our Achievements & Aspirations



- Participated in Pollutec 2009 Expo in Paris and METALEX Vietnam 2015.
- Make more inroads into foreign markets.
- Developing new products through collaborations with universities and research institutions.



Patens and Certificate



Our Products

<p>[Shopping Mall]</p>  <p>Kanagawa "LL Port Hiratsuka"</p>	<p>[Urban Development]</p>  <p>Kanagawa "S-Kawasaki Square"</p>	<p>[Condo/Apartment]</p>  <p>Kanagawa "P House Yokohama Shinkoyasu Garden"</p>	<p>[Office Building]</p>  <p>Tokyo "O-Saki Bright Tower"</p>
<p>[Research Centre]</p>  <p>Shizuoka "K-H· Kirin"</p>	<p>[Supermarket]</p>  <p>Shimane "A· Izumo"</p>	<p>[Central Kitchen]</p>  <p>Saitama "N school central kitchen"</p>	<p>[School]</p>  <p>Kagoshima "K University Ward"</p>
<p>[Factory]</p>  <p>Osaka "O Pharmaceutical Co., Ltd."</p>	<p>[Hospital]</p>  <p>Osaka "O International Cancer Institute"</p>	<p>[Hotel]</p>  <p>Kyoto "The · R · Carlton Kyoto"</p>	<p>[Nursing home]</p>  <p>Aichi "C sasashima"</p>

Corporate Information

Corporate name	Toyokosho Co., Ltd.
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Phone	+81 3-3662-5644
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CEO	Hiromi Ikuta
What we do	<p>For over 20 years of experience in researching and developing, designing, constructing and selling our product PCF® - photocatalytic air purification make us one of the market leaders in our line of business.</p> <p>Drawing on our extensive experience, scientific knowledge and engineering expertise, we consult and offer the right solutions to control odours.</p> <p>Besides PCF®, we also offer ion-cluster air purification and eco-detergent for our future environment as well as we offer performing measurement odour by licenced operators in accordance with The Offensive Odour Control Law.</p>
Capital	10,000,000 yen

Our heritage

Apr. '89	Founded as an eco-detergent manufacturer
Dec. '96	Acquired an odour operator license and launched odour consulting
Oct. '01	Launched PCF®- photocatalytic air purification
Oct. '05	Launched ion-cluster air purification
Apr. '09	Registered "PCF" as a trade mark
Jun. '10	Received "Director of Small and Medium Enterprise Agency award" in 36th Excellent Environmental Equipment Awards
Sept.'10	Registered utility model
Sept.'11	Received "Tokyo trial ordered certification system 2011"
Apr. '13	Registered patent
Feb. '14	Completed "Intellectual Property Strategy Support project"
Dec. '14	Office Relocation
May '16	Registered patent
Jun. '16	Registered patent