

Company name : TAKAGI CHEMICALS, INC.

Representative name: Hiroyuki Takagi / Mr.

Business Field:

Sheet metal pressing and surface treatment processing;
Plastic molding; and Synthetic fiber production.

Area of Specialty:

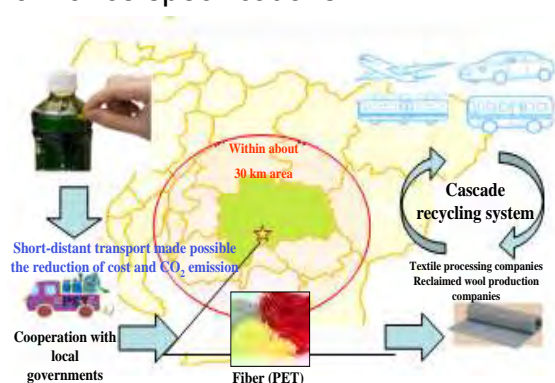
Development of new materials and intended uses, with advantage taken of experience in different business fields.

Technology / Product / Service PR Item

【Category / name】 Manufacture of automobile interior decoration staple fiber products by using recycled PET raw materials

【Characteristics, performance and applicable areas】

- Contributions can be made to the establishment of a circulation type society by manufacturing high value-added fibers using PET raw materials recycled from scrapped PET bottles etc.
- Use can be made in various areas as automobile interior decoration parts that have rigorous quality and performance specifications.



【Appeal Points】

- Our company established recycling technology before the rest of the world, and has, since then, continued and developed fiber business using recycled PET raw materials.
- We would like to expand, together with enterprises in the Republic of Indonesia, a high value-added fiber industry for automobile interior decoration parts using recycled raw materials in such a way that the knowledge based on the experience gained through the progress of recycled fiber business in Japan will be utilized, and that the following items will be studied.
 - 1) Tie-ups will be made in technology for manufacturing fiber raw materials(staple fiber) with stable quality using recycled PET.
 Advantage: Knowledge in Japan can be introduced and developed in the process where recycled PET is used as fiber raw materials.
 - 2) Tie-ups will be made in technology for manufacturing fiber products meeting rigorous quality and performance requirements for automobile interior decoration parts.
 Advantage: It is possible to introduce high value-added fiber manufacturing technology involving features used in automobiles, such as coloring, weight reduction, and functionalization.
 - 3) Business tie-ups will be made regarding extension of markets for Japanese-affiliated automobile manufacturers, parts manufacturers, etc.
 Advantage: It is possible to deal with quality, cost, delivery deadlines, etc. requested by Japanese-affiliated automobile manufacturers, parts manufacturers, etc.

【Types of businesses interested in Indonesia in the future】

- A: Export and sale of products B: Local manufacturing of products (at its own factory, factory of cooperating company or other)
C: Seeking business partners for technical matters, etc. (including joint research)
D: Seeking information sources (local business coordinator/advisor) E: Other (description required)

【Detailed description of business expecting to the potentials in Indonesia】

Business will be started up under joint management with on-site enterprises, and various colored fibers will be manufactured and sold both in and out the republic of Indonesia.

【Business type/line of company/organization that are targeted as possible business partner(s)】

Enterprises that are in possession of the following: system and channels whereby PET recycled from scrapped PET bottles etc. can be purchased as fiber raw materials; and fiber manufacturing equipment. Enterprises that are giving consideration to quality improvement with the aim of selling products to Japanese-affiliated automobile manufacturers, parts manufacturers, etc. from now on.

【Record of Installation / Actual Performance】 (Use Application) Fiber materials for automobile interior decorations such as interior carpets

【In Japan】 Our products are adopted in star cars of major automobile manufacturers. **【Overseas】** None

Main proprietary patents	Several patents have been obtained in Japan.
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Main awards received	Our company was granted a bronze prize by way of Aichi Prefectural Environmental Award. Our company was selected as one of the “Small and Medium-sized Tenaciously Manufacturing Enterprises,” which are 300 in number. Our company was certified as an enterprise having an Aichi Prefectural Brand.
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Other Special Mentions

- As for the Japanese-affiliated automobile manufacturers and parts manufacturers who found their way into Indonesia, our company has established trust relationships with these companies in Japan due to long-standing business implementation. The resulting network can be utilized in Indonesia as well.
- In FY 2014, a project for investigating the feasibility of conducting new business for a program for cooperative creation of local innovation was carried out (the period: was from September 25, 2015 to March 31, 2016). Investigation was made of on-site implementation of fiber business using recycled PET, with joint management kept in mind. Consequently, our company has preliminary knowledge of on-site circumstances.

Company Profile

Company name(in English):TAKAGI CHEMICALS, INC. (in Japanese):株式会社高木化学研究所

Website: <http://www.takagi-kagaku.co.jp/>

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Tel: +81- (0564) - 48 - 3016

Fax: +81- (564) - 48 – 3035

E-mail: info@takagi-kagaku.co.jp

Whether direct contacts from companies in counterpart country can be made or not:

Tel : Yes (language to be used Japanese • English • Bahasa Indonesia • Other(specify)) • ☒ No

Mail : ☒ Yes (language to be used Japanese • English • Bahasa Indonesia • Other(specify)) • No

Department to Katayose

contact Factory (Title) Supreme Advisor / Factory Manager (Name) Noriaki Takagi / Mr.

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Business activities that have been conducted in Indonesia: (Launching Date: May, 2015)

A: Export and sale of products B; Local manufacturing of products (at its own factory, factory of cooperating company or other)

☒ C: Seeking a business partner for technological matters, etc. (including joint research)

☒ D: Seeking an information source (local business coordinator/advisor) E: Other (description required) F: None

Space for describing other business: