

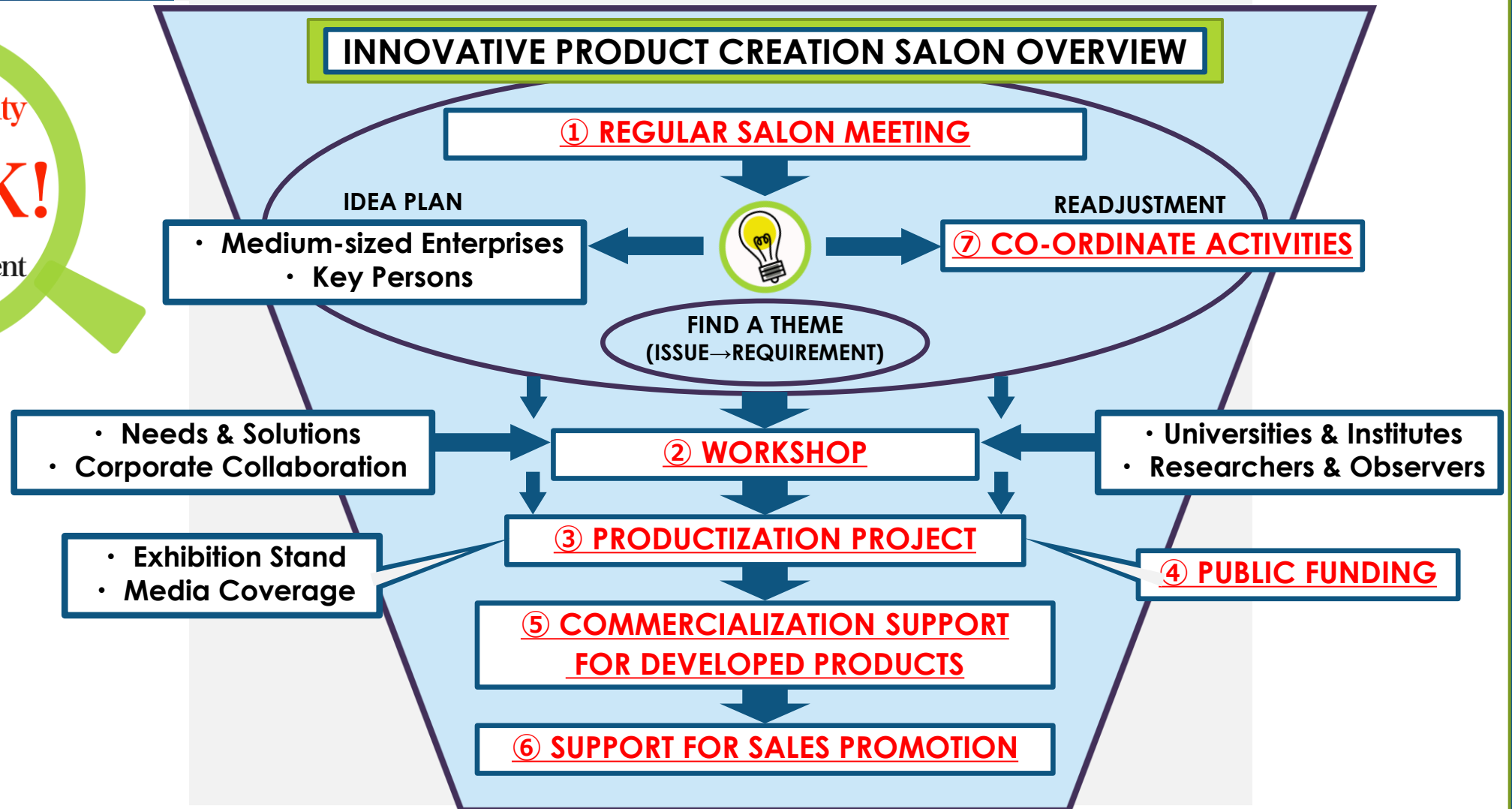
# CPC TECH. SALON WEB TOUR



[HTTPS://WWW.CPC.OR.JP/CPC/PUBLICS/INDEX/104/](https://www.cpc.or.jp/cpc/publics/index/104/)

# WELCOME TO THE WEB TOUR

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# ① INNOVATIVE PRODUCT CREATION SALON (REGULAR MEETING)

## The first Innovative Product Creation Salon meeting was held July 25<sup>th</sup> 2019

At the first salon, we invited two authorities in the information technology (ICT) field and gave lectures, which were very popular among member companies. This was confirmed by the questionnaire figures after the lecture.

In particular, Professor Kanade contributed not only to the lecture, but also well to the exchange of ideas at the concluding dinner event.

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**Prof. Takeo Kanade**  
(Robotics)

Special Note:  
Professor Kanade, the first instructor of the year, has been selected as a **Cultural Merit!** We have sent a celebration message on behalf of the salon.



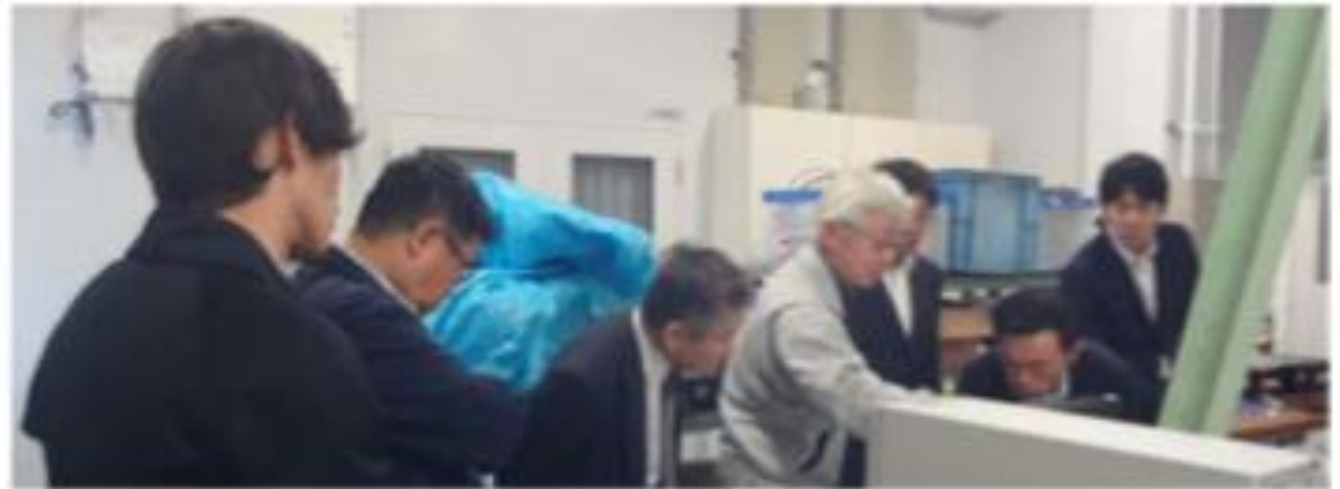
## ② WORKSHOP (1)

### Equipment Management Technology in the IoT age

Professor Jinn-yama of Mie University gave a Lecture on Wednesday 6<sup>th</sup> November (in the meeting room of the CPC).

Also, Measurement Demonstration Training was held on Thursday 14<sup>th</sup> November (on the Mie University Campus).

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Day 2: Measurement Demo. (Mie University)



## ③ PRODUCTIZATION PROJECT (1)

### Tactile Sensor Project

With Professor Obinata of Chubu University as the project leader, we are meeting to develop new tactile sensor technology for POC.

The project team consists of specialized companies for sensors, resin/rubber, printing, prototyping, communication and integration.

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A Tactile Sensor Experiment, in which three types of materials are held by the same sensor. We received a demo video from the project.



<Acrylic object>



<Aluminum object>

## ③ PRODUCTIZATION PROJECT (2)

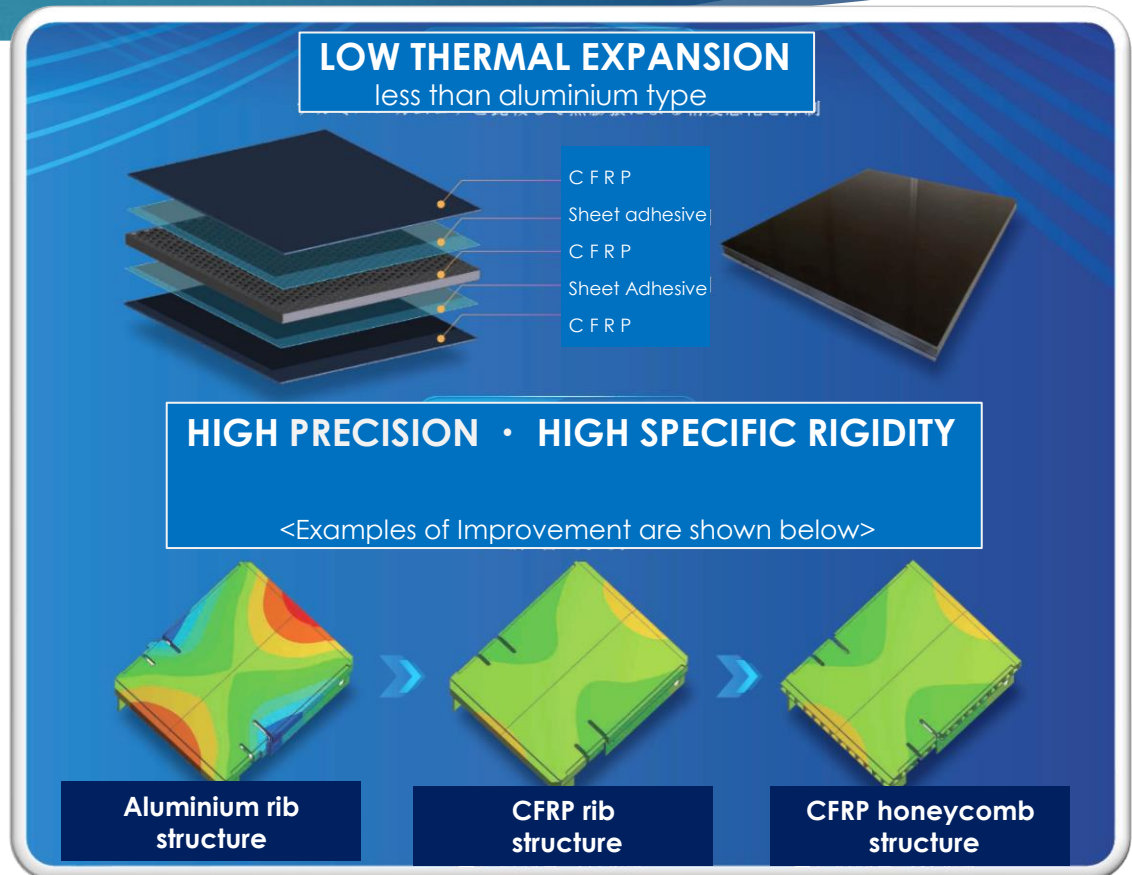
### Water Jet Processing Technology

CFRP (carbon fibre reinforced plastic)  
honeycomb sandwich panel

- Light weight, high rigidity, low thermal expansion Surface Plate is developed
- Suzuki Industry Co Ltd, developed & applied Water Jet Cutting technology
- An exhibition provided the opportunity to meet a potential user at the Warm Tech Spoon booth

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Source: company materials



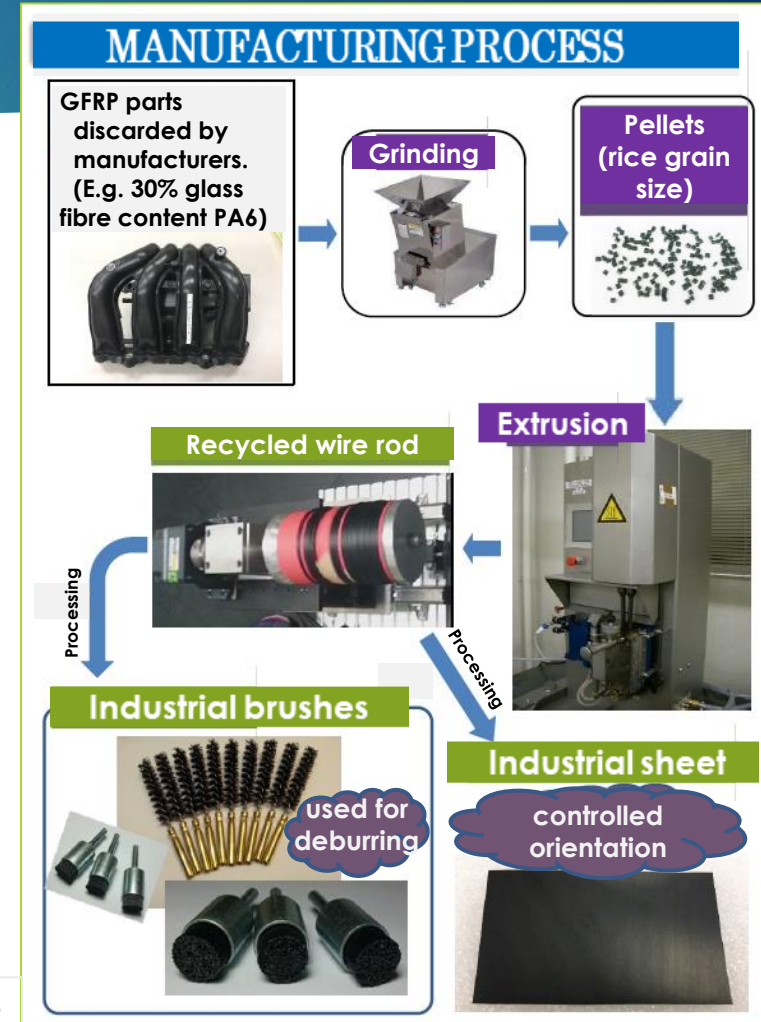
# ③ PRODUCTIZATION PROJECT (3)

## Industrial Brush & Sheet product utilizing recycled GFRP material

We recycled FRP waste material to produce wire rod with a diameter of 0.2 to 1.0mm, and jointly developed industrial brushes and sheets from the wire.

CPC provides a place for joint research between Ihara Gosei and the Prefectural Industrial Technology Center.

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Source: company materials

## ④ PUBLIC FUNDING FOR RESEARCH & DEVELOPMENT

### Tactile Sensor Project

JST A-STEP Scheme

(R&D Potential Verification Phase)

Professor Obinata's new challenge in 2019 (the handling of processed foods by a robot hand with a tactile sensor) has been selected for public funding.

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JST A-STEP (Potential Verification Phase, Demonstration Study type)  
List of adopted cases – 2019 (33 cases)

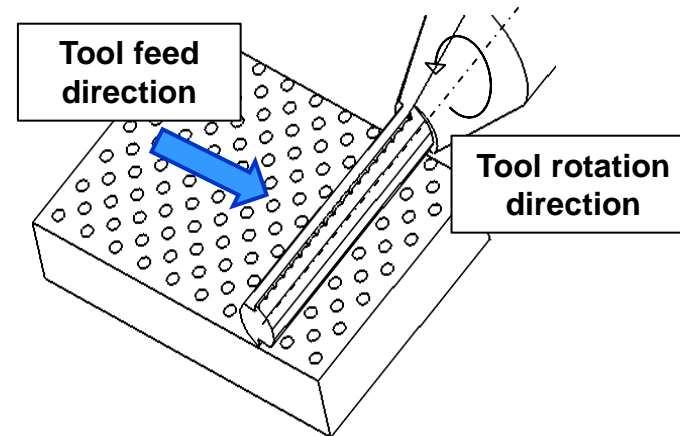
Serial No	Subject Name	Research Institute Name	Researcher
21	The handling of processed foods by a robot hand with a tactile sensor	Nagoya Industrial Science Research Institute	Obinata, Goro



# ⑤ COMMERCIALIZATION SUPPORT FOR DEVELOPED PRODUCTS

## Dimple Machining on Sliding Surface “Tiling” Processing Technology

CPC provided an opportunity for industry-academia collaboration between Professor Usami of Meijo University and Kanefusa Co. Ltd. for R&D of “Tiling” processing.



Source: Company technical data

A New Dimension of Performance

KANEFUSA corporation

### The future prospects

**Contribute to Sustainable Development Goals (SDGs)**

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# ⑥ SUPPORT FOR SALES PROMOTION (1)

## Antioxidant power! Development of high purity hydrogen inhaler

- Study of the action of hydrogen molecules on a living body, and gas concentration distribution simulation technology

Mediating between researchers  
(Chubu/Nagoya Universities) and the R&D  
department of Sania Industry Co. Ltd.

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Source: company materials

Sania Hydrogen Inhaler SS-100

H<sub>2</sub> 100 CC/min

*My Health & Beauty Partner ...*

専用カニューラをつけて、

スイッチオン!

あとは、好きなことを...

お家で、オフィスで。

Easy to operate and compact  
100cc of hydrogen gas per minute

高純度の水素を吸入して、

どっちなし、

すっきり爽やかな

選ぶ2色

シックな輝き  
ワインレッド

マットホワイト

Confirmation of hydrogen  
bubbling state



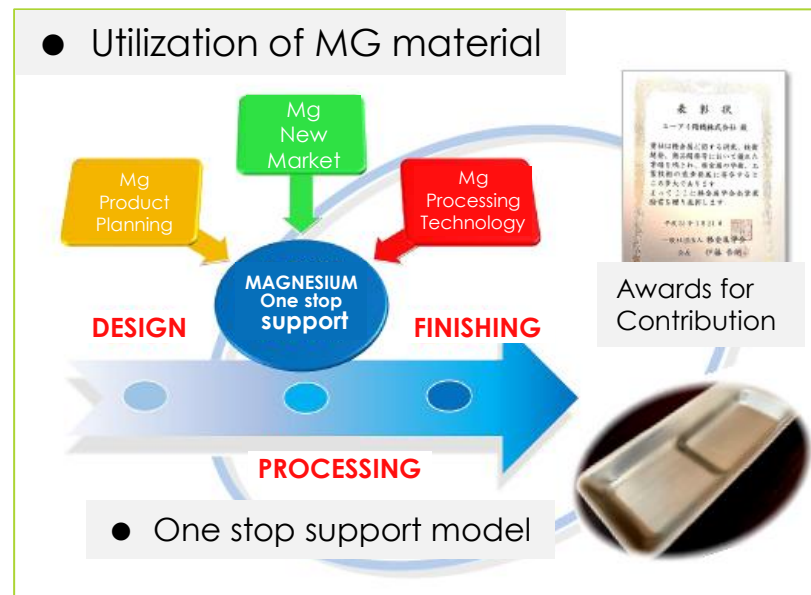
# ⑥ SUPPORT FOR SALES PROMOTION (2)

## Utilization of Magnesium Material One Stop Service

Industry-academia collaboration between Professor Ishikawa of Chubu University, and Yuai - Seiki Co. Ltd. Is mediated.

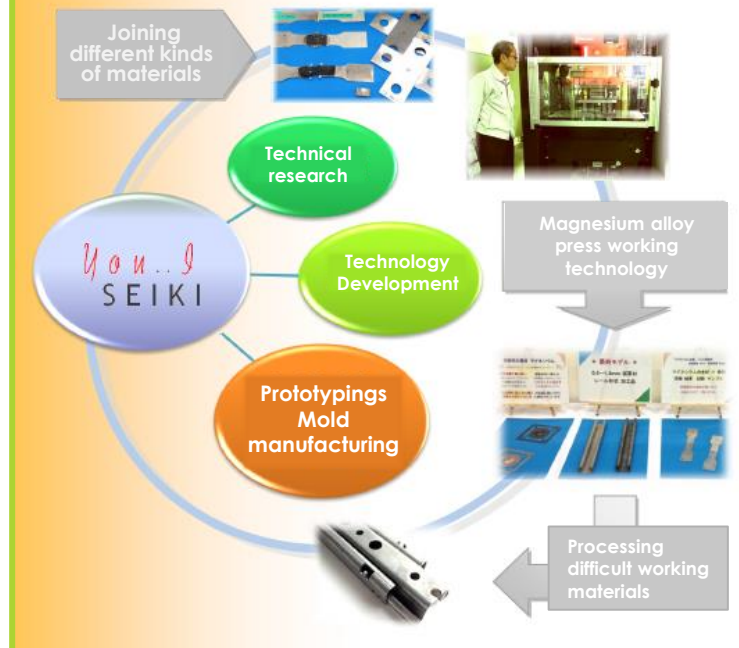
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Source: company materials



### Yuai-Seiki marks 50th anniversary

We are pursuing material and processing methods that are expected to contribute to the weight reduction of products, such as Magnesium alloy press working, joining technology of different materials, etc.



- R&D**
- # Magnesium alloy press processing) construction method research – practical application – development of prototypes (2012-present)
  - # Magnesium batteries practical product prototype development (2019-present)
  - # Metal joining by plastic working: aluminium + iron, aluminium + aluminium) (2017- )

- Exhibition**
- # Technology Exhibition for People & Cars Nagoya (2017-2018)
  - # Automotive World – Tokyo Big Sight (2014-2020)





## ⑥ SUPPORT FOR SALES PROMOTION (3)

### Japan's first! Medicinal Hair Restorer Using Plant Extract

Ingredients from Plant Vitalizer HB-101  
are utilized for the skin and scalp

The development trigger was a  
comment from 'HB-101' users

Salon's long-term member  
Flora Co. Ltd.'s industry-industry  
collaboration is supported.

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Source: company materials

商品一覧  
 植物活剤 HB-101 シリーズ  
 植物消臭剤 ニオイノンノ シリーズ  
 育毛剤 育毛剤 シリーズ  
 化粧品 化粧品 シリーズ  
 健康食品 サプリメント シリーズ  
 ペット・混合飼料 ペット・飼料 シリーズ

Japan's first! Medicinal Hair Restorer Using  
 Mixed Plant Extract

**HG-101** Quasi Drug

Ingredients from Plant Vitalizer HB-101  
 are utilized for the skin and scalp

HG-101の効果—

育毛	発毛促進	抜け毛予防	4種類の 植物エキス	無香料 無着色 無鉱物油	男女兼用
かゆみ予防	フケ予防	産後の脱毛に			

育毛のために  
**HG-101**  
 医薬部外品





# ⑦ SECRETARIAT: CONTACT US WITH ANY QUESTIONS



## Chubu Productivity Centre (CPC)

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