

Member

There are four membership classification, Platinum, Gold, Silver, and Academic Members. There are two kinds of services, open and closed services. The open services would be for sharing information and the closed services would be for promoting specialized research issues.

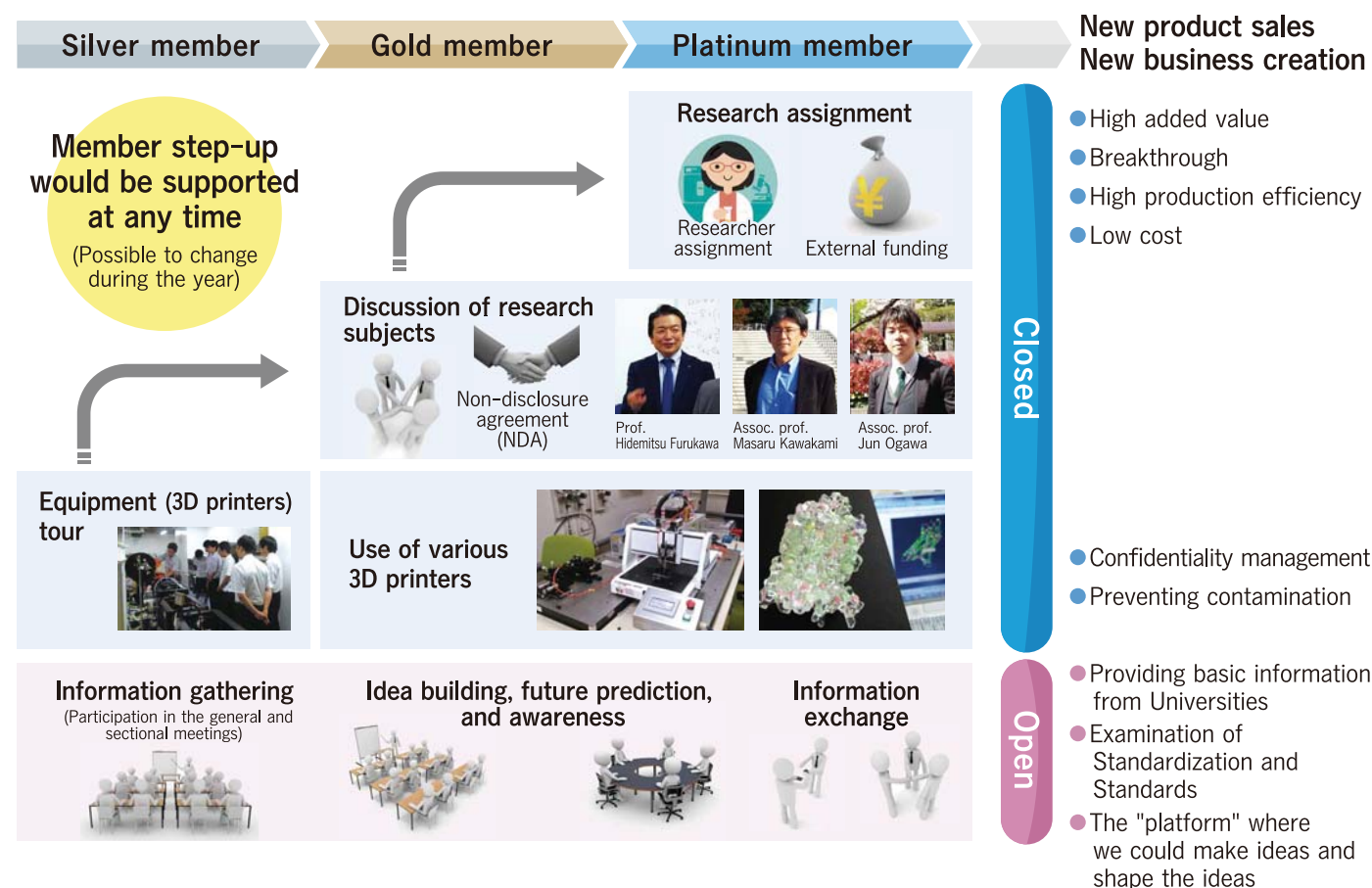
Characteristics of each membership	Open		Closed		
	Participation in the general meeting	Participation in the sectional meetings	Use of various 3D printers	Discussion of research subjects	Implementation of research subjects
Platinum member Annual fee: 12 million yen	◎ organizer	◎ organizer	○	○	◎ Researcher assignment
Gold member (*) Annual fee: 3.6 million yen	○ organizer	○ organizer	○	○	○ (*)
Silver member (**) Annual fee: 0.6 million yen (600,000 yen)	○	○ Participation	△ Tour	★ FS Option	

★Options FS research would be possible once (Extra membership fee 600,000 yen)

Academic member: For individuals who have been recommended by the chairman.

(*) When your company has a researcher by yourself, you could conduct research assignments.

(**) If a Small and medium-sized enterprise has only one number of participants, annual membership fee would be considered by the discretion of the chairman.



Executive office of Soft 3D Co-Creation Consortium "YAWARAKA 3D"

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Soft 3D Co-Creation Consortium "YAWARAKA 3D"

We would provide "the platform" where you could create your ideas and make them come true using 3D printing technologies.



Innovation of "Monozukuri (Manufacturing)" by co-creation and 3D printing technologies

Greetings

From "material thirty years" to "material three months".

We would seamlessly connect between novel materials and "Monozukuri (Manufacturing)". Japan is a country that has research and development capabilities in the field of materials engineering. However, a newly developed novel materials takes 30 years to get commercialized. Our wish is that we would shorten this production period from 30 years to 3 month.

Chairman of Soft 3D Co-Creation Consortium
Professor of Yamagata University
Hidemitsu Furukawa

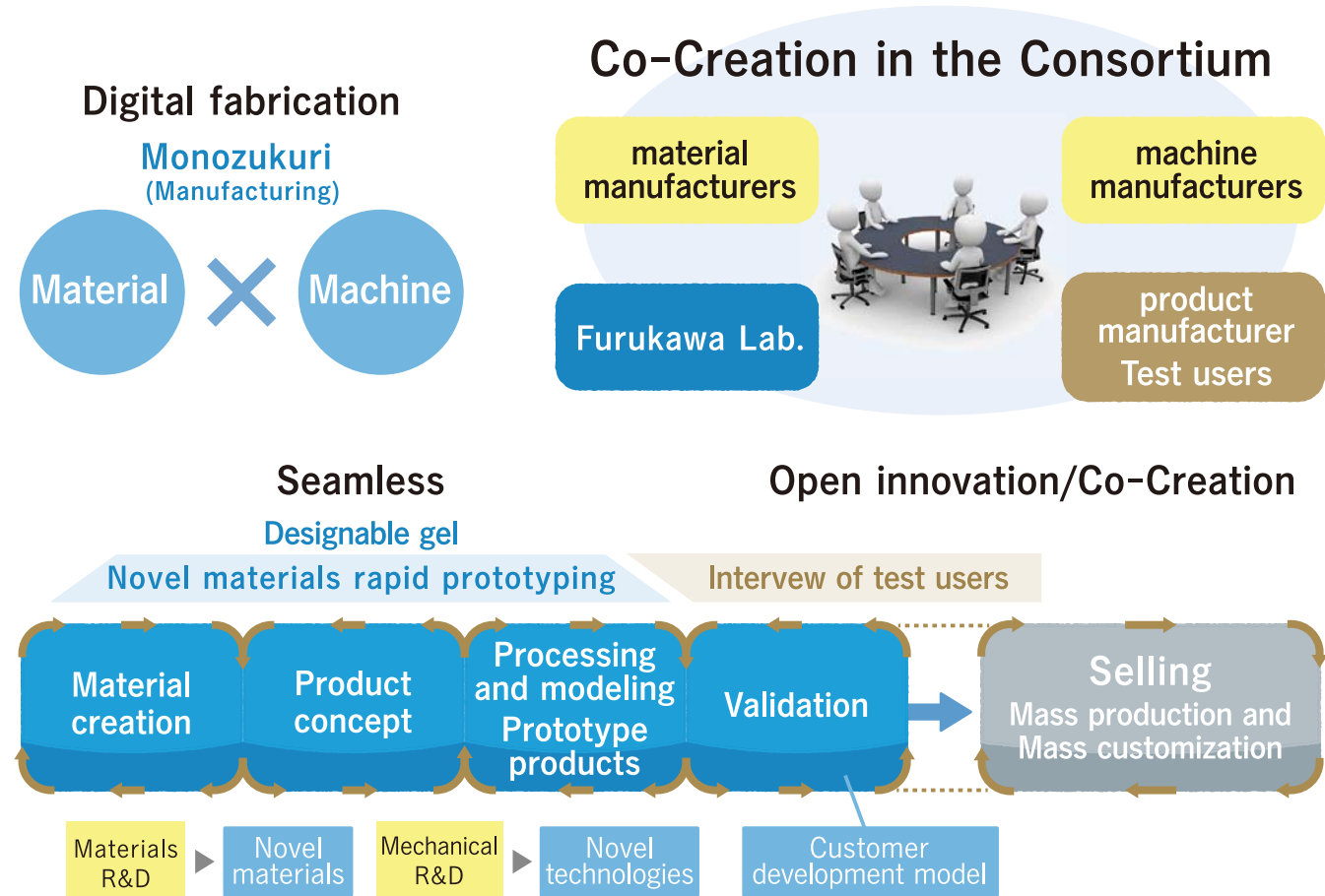


The YAWARAKA 3D consortium schedules sectional meetings every 6 month for the members to learn the latest technologies and create novel ideas.

Foods	The Sectional Meeting of 3D Foods	Exploration of business models of home appliance manufacturers, food ingredient manufacturers, food companies 10 or 20 years later, and development of required technologies.
Medicine (Adhesion)	The Sectional Meeting of Next generation medical technologies	Development of anatomical organ/tissue models that are tailored to each patient. Development of anatomical organs/tissues models that are specialized in material and shape for surgical simulation and training. Development of novel adhesion method in surgery without needles and threads.
Gel (Rubber, Elastomer)	The Sectional Meeting of 3D Gel	Development of free-formable 3D printing technologies using gel materials Development of quality assurance technologies using gel structure analysis "Scanning Microscopic Light Scattering (SMILS)".
Mobility	The Sectional Meeting of 3D Metal and Polymer	Development of novel mobility (cars and airplanes) and parts manufacturing technologies to apply injection metal and composite material manufacturing technologies.
Robotics	The Sectional Meeting of Soft Matter Robotics	Development of novel Soft Robotics technologies, for example, artificial muscle, artificial cartilage, contact lenses, prosthetic finger and prosthetic leg using hi efficiency 3D gel printers.

The aim of the Soft 3D Co-Creation consortium

We think that we could shorten the productization period of novel materials from thirty years to three months to make prototypes by 3D printing. We would provide "the platform" to co-creation and discussion among researchers from diverse background such as material, machine and product manufacturers. "The platform" would accelerate creativity and innovation. The aim of the Soft 3D Co-Creation consortium is to unify technologies and creativity which would lead to innovation.



We could perform accelerated and synergistic product innovation to accumulate, cooperate, and improve CAD design, prototyping, verification, customization geared towards sustainable engineering.

Activity contents

- To provide the Monozukuri platform using different types of 3D printers and materials.
- To hold open symposiums.
- To accelerate industry-academia collaboration leading to national projects and international standardization.
- Human resource development with next-generation 3D gel modeling technology and employment of young researchers to perform the projects using the consortium funds.
- To build an open organizational structure by various companies and organizations with the latest technology in the world.
- The sectional meeting, study and workshop.
- Administrative organizations.
- Think tank style Hands-on workshop for creating future human resources.

