



*[Provisional Translation Only]*

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## **JDI Develops Virgo**

### **~ Wellness Service That Deploys World's First OPD Sensor-Based Smart Ring to Support Improved Wellness Outcomes ~**

JDI has developed Virgo, a wellness service based upon JDI's advanced biometric sensor and smart ring technology to support improved health outcomes for Virgo users.

JDI's Virgo smart ring is the first in the world to be equipped with an organic photodetector (OPD) sensor. The Virgo OPD sensor is formed on a flexible substrate, giving it a thin profile that allows highly efficient sensing within a compact smart ring form factor that supports high fit and comfort for users.

The Virgo smart ring can automatically acquire wellness data such as heart rates, blood oxygen levels, sleep time, step counts, and calorie consumption and is integrated with Virgo's app and cloud-based data management system.

Virgo not only provides realtime monitoring of users' daily wellness status but also supports users' wellness and positive behavioral changes by providing advice and information tailored to individuals from qualified health professionals.

JDI will begin offering Virgo trial usage this month to corporations and organizations interested in supporting higher wellness for their employees and members.

### **1. Virgo Development Background**

Japan's aging population, the decline in its working age population, and the increase in social security costs, including pensions and medical expenses, are putting increasing pressure on Japanese society. Making visible the variable physical and mental states people experience in their daily lives and promoting behavioral changes to increase wellness and prevent disease can help support Japan in addressing these difficult challenges.

JDI is committed to contributing to a better world. Consistent with this mission, JDI has developed Virgo, which brings together the world's first OPD sensor-based smart ring with a service that promotes wellness and behavioral changes by monitoring key wellness data and providing advice tailored to individual users.

JDI's goal is to support 1 million Virgo users within five years and contribute to developing a framework for biosensor-based preventative healthcare to increase wellness and generate more positive life outcomes.

## 2. Virgo System Images



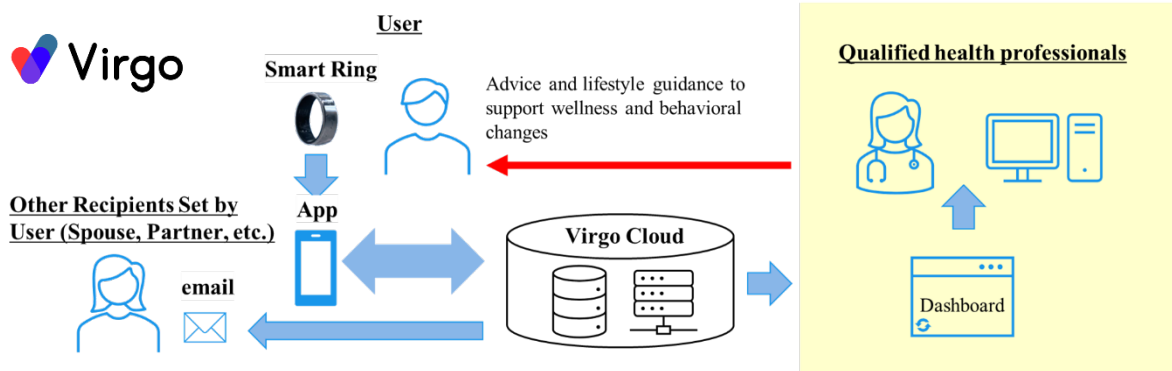
Virgo Smart Ring OPD Sensor  
Dimensions: 24mm x 5mm, thickness 150μm



Virgo Smart Ring



Virgo App



Service Image Diagram

Starting this month, the Virgo smart ring, app, and cloud-based wellness system will be used in joint research with Okayama University (President: Yasutomu Nasu), Aioi Nissay Dowa Insurance Co., Ltd. (President: Keisuke Niiro), VELDT Inc. (CEO: Jin Nonogami), and Ryobi Happy Life Ryobi Health Creation Center (Representative Director: Mitsunobu Kojima).

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