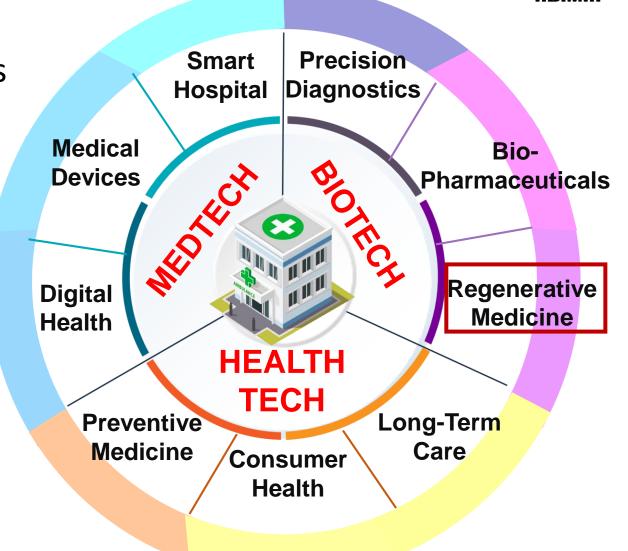


Taiwan-Focused Areas



The IBMI accelerates collaborations of Medtech, Biotech and Health tech sectors, providing them a platform to display novel technologies and solutions and inspiring innovations and partnerships in healthcare.

Regenerative Medicine is one of important Biotech in Taiwan.



Taiwan ICT companies setting foot in healthcare

Mobile health

Medical equipment

Smart hospital

Gene/cell therapy

Biomedicine

Companies











Product pipelines

- Telehealth
- ■IoT solutions
- Wearables
- Health management

- X ray / ultrasound
- ■Micro CT
- Surgical / service robots
- Capsule endoscopy
- Hemodialyzer
- Molecular pathology
- ■Vital sign monitor

- Smart ward/operating room
- Surgical VR
- ■Al solution
- HMS
- EMR / EHR
- ■Medical display

- ■DNA sequencer
- ■DNA microarray
- Protein & genetic testing
- **■CTC** system
- **■**Cellular therapy

- ■Al chip
- Biochip for gene sequencing
- ■RF & Wireless chip
- Biosensor
- Display component
- Organic semiconductor

Areas of application





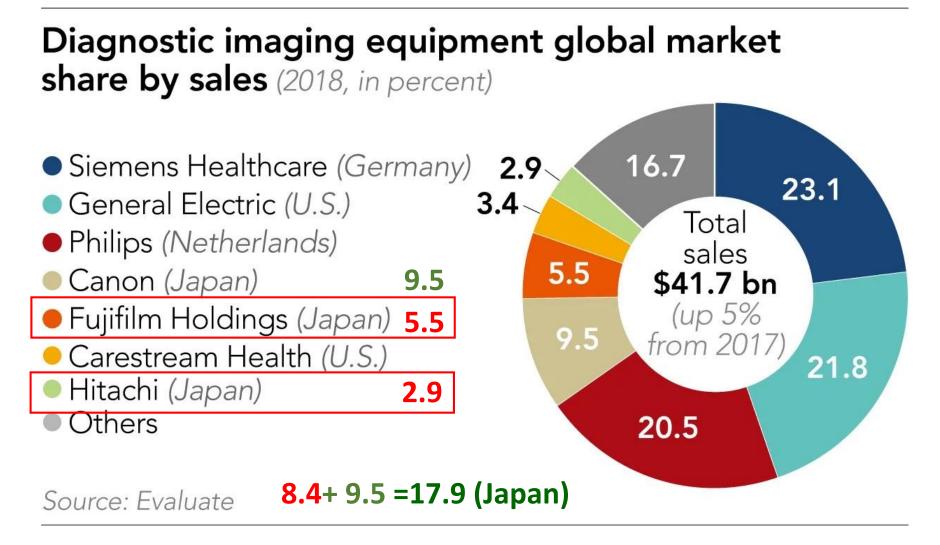








Fujifilm Healthcare acquires Hitachi Diagnostic Imaging in 2021



Fujifilm Healthcare presented a complete and integrated portfolio of diagnostic products and services, including CT, MRI, X-ray, AI, PACS, endoscopy and ultrasound systems.

Fujifilm "One-Stop" solution partner for the Healthcare systems



Fujifilm has a wide range of products including diagnostic X-ray imaging equipment, ultrasound systems, endoscopy, in vitro diagnostics, CT, MRI, and by positioning medical informatics as an open platform, the company can offer a wide variety of solutions to healthcare systems.

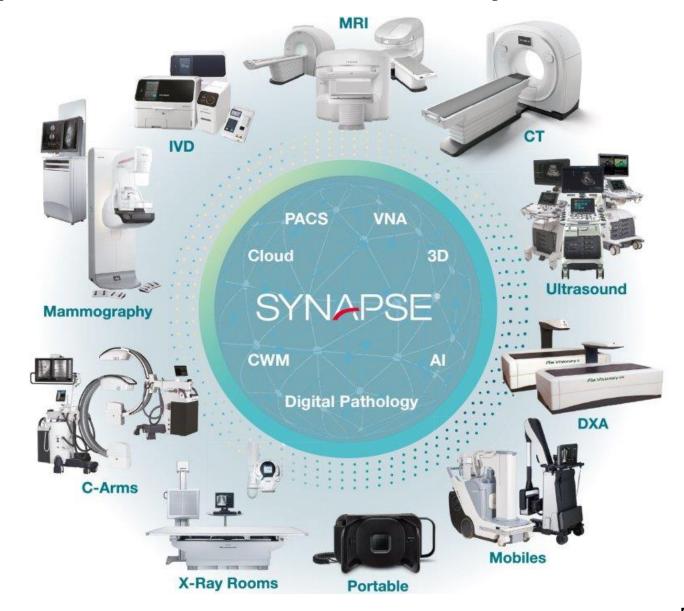


Image source: Fujifilm

Taiwan Industry Overview

Market Players and Focus Areas

Al & Computing

Al chipsets, IC design, edge computing servers

Digital Health / Precision Health

Telemedicine / Telecare

■ Preventive Medicine

8K Display

8K panels and image processing chips, 8K encoder/decoder, photosensitive thin-film materials and devices

Advantech, AUO, Coretronic, Innolux, Delta Electronics...

NVIDIA, AMD, Quanta, Realtek, TSMC..

EgisTec, FocalTech, Largan Precision, RichWave, UMC..

Five-Sense Sensing

Sensor chips, IC sensors/components, VCSEL materials and manufacturing

Taiwan with expertise and experienced in system integration

Hardware-Software

Integration

Acer, Asus, BenQ/Qisda, Foxconn, Wistron.. 5G Communication

Modem to antenna systems and solutions 5G chipsets and peripherals

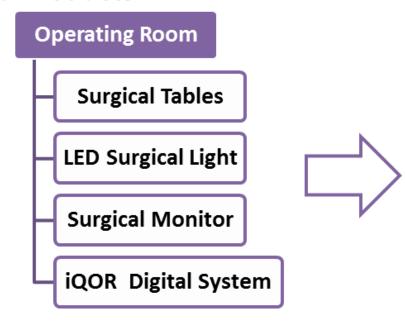
ASE Group, Kinsus, MediaTek, Sercomm, Unimicron, Wistron NeWeb..

Source: IBMI & RBMP



Featured Products

— Qflux Dialyzer — Hearing — Diagnostic Ultrasound — Transport Robot — Medical Consumables



Solutions

Smart Operation Room



ODM / OEM of Medical Device

Other Smart Healthcare Solutions



After seeing all these successful solutions...

Taiwan hospitals are expanding their productivity to be the solution providers.





彰化基督教醫院



員林基督教醫院

Yuanlin Christian Hospital



U.S. Green Building Council LEED Gold Level Certification on Dec, 2015





ICT Players launch products and solutions:

- Smart Nurse Station
- Smart Ward
- Smart Clinic
- Smart Counter
- Smart Dialysis
- ◆ Smart Operation Room
- Multimedia interaction
- Accompany robot
- Logistics Management



Visiting the Thonburi Hospital 2022-09-07

Thonburi Hospital, one of the largest smart hospitals has worked with Taiwan's Chunghwa Telecom and Imedtac on a software-hardware-integrated solution. The hospital is still under renovation to be completed with functional smart hospital in one to two years. The link with Taiwan comes in perfect timing, as a good model for the demonstration of the smart hospital.



Healthcare EXPO · TAIWAN 2024.12.05-12.08

◆ Tech x Medicine: Expo Highlights in Medtech, Biotech and Healthtech

The Expo stands out among exhibitions of its type, fostering accelerated collaborations between the Medtech, Biotech, and Healthtech sectors. It provides a platform for showcasing cutting-edge technologies and solutions, sparking innovation, and fostering partnerships in healthcare.





The Expo features upstream-to-downstream supply chains, showcasing innovative technologies, products, and services for therapeutics and patient care.

- -Smart Hospital Solutions
- -Medical Devices & Equipment
- -Digital Health Technologies

Biotech



The Expo showcases supply chains from upstream to downstream, emphasizing diagnostics, labs, and services for screening, prevention, and treatment.

- Diagnostics, Laboratory
- -Equipment & Services
- -Biopharmaceutical Products & Services
- -Regenerative Medicine Products & Services

Healthtech



The Expo presents consumer health products for people in various health states, aiding in immune health, managing risks, and promoting a healthy lifestyle.

- -Preventive Medicine
- -Consumer Health
- -Long-term Care & Assistive Technology



Taipei BioInnovation Park (TBIP)

Taipei BioInnovation Park is Taiwan's first BOT development project for the biotech industry. It serves as a key core base, promoting nationwide biotech integration and international collaboration while nurturing talent and fostering innovation.

TBIP is a biotechnology industrial park with 17 floors (14F-17F are designed as the Incubation Center). The park is located near the NanGang Station, a transportation hub for high-speed rail and MRT.

世康開發股份有限公司 Century Biotech Development Corporation



















斉世博 Acepodia is developing innovative, highly effective cell therapies for cancer that are broadly accessible for patients. By arming our powerful cancer-killing cells with the tumor-targeting technology, Antibody-Cell Conjugation (ACC), Acepodia believes it can develop powerful, accessible cell therapies for patients with cancer.

臺灣生物醫藥製造 Taiwan Bio-Manufacturing Corporation (TBMC) is a pioneering CDMO focusing on advancing biomanufacturing innovations. TBMC is developing an automated platform for the mass production of MSC and cancer immunotherapy cell therapy drugs. TBMC also offer comprehensive one-stop services including IRB planning and writing, process development, QC method establishment, functional verification, CMC document preparation, as well as clinical trial design.

美商永生 Stemcyte provides the private cord blood banking service also offers Newborn Genetic Analysis (NGA) which identifies any DNA irregularities and screens for over 200 health disorders.

藥華醫藥 PharmaEssentia is working to redefine the potential of proven therapies to enhance the health and quality of life for patients living with hematologic diseases. The PharmaEssentia is providing comprehensive educational, clinical, and scientific information about PharmaEssentia therapies and areas of interest.



<u>艾萬霖生技 ExoOne Biotech</u> is committed to developing the clinical application of exosomes and focusing on the treatment of degenerative diseases. The exosomes are mainly isolated from the mesenchymal stem cells of the umbilical cord (UC-MSCs).



精準生技 Precision Biotech is focusing on the immune cell (NK/NKT) therapy for cancers. They also provide services for cell processing and banking. IRB planning and writing, CMC document preparation, as well as clinical trial design.



高端疫苗 MVC is focusing on the development and mass production of vaccines and biologics. MVC have PIC/S GMP certified cell culture mass production capabilities, and target infectious diseases to develop novel vaccines and affordable biosimilar drugs via international alliances.



<u> 昱星生技 LumiSTAR</u> is developing a pipeline of innovative cell therapies based on induced pluripotent stem cell (iPSC) technology. LumiSTAR also equipped with iPSC and bioimaging-based high throughput drug screening platform to develop new drugs.



瑞福生醫 Cytopacx is focusing on the neural regeneration and tissue engineering with exosome technology. Cytopacx is also providing a health supplement with combination of probiotics formulated with useful skin activating factors to improve the skin condition.



智新生技 Intelligene is at the forefront of advancing gene therapeutics through siRNA-based drugs. The mission of Intelligene is to confront the looming threats of pandemics and influenza.



<u>禾豐醫 LKST Biosciences</u> is Taiwan dealer of LONZA COCON (The Cell Therapy Manufacturing Platform) and CYTEK Biosciences (Full spectrum flow cytometry systems). LKST Biosciences provide researchers with advanced cell culture solutions to support the R&D for cell therapy.



新析生技 **Syncell** is to accelerate the world's understanding of proteomics with *de novo* precision spatial proteomics tool.



<u>Pilatus Biosciences</u>, a Swiss start-up company, was founded in 2022. It focuses on the development of first-in-class targeted metabolic checkpoint antibody drugs (Anti-CD36 Antibody PLT012 and Anti-PD-L1/IL-10 Immunocytokine PLT011).

Branding Taiwan



Thank you for your attention

