

A light gray silhouette of a world map is positioned in the lower right quadrant of the page, behind the company name.

MICROBASE[®]
TECHNOLOGY CORP.

About Us

MicroBase Technology Corporation (TWSE 3184) established in 1997, is dedicated to the development of "non-silicon based" micro-electromechanical systems (MEMS) technology using LIGA technology. We possess semi-automated processing capabilities including laser, cutting, and measurement technologies, which enable us to assist in the production of various hole and channel designs, and in planning materials, processes, and precision. Additionally, we have core technologies in laser micro-machining and process integration, achieving high-precision microstructure machining. We have



designed and successfully developed atomization manufacturing technology, holding over 450 core patents.

Development of Drug Delivery Platforms Based on Proprietary Technologies

MicroBase holds core expertise in laser micromachining and process integration. We perform high-precision microstructure processing and have successfully designed and developed plastic atomization manufacturing technology, owning multiple international core patents.

We leverage two core technologies, "Excimer Laser Processing Technology" and "Micro Molding Technology," to develop a drug delivery technology platform. This platform provides customers with micro-crystal technology for transdermal drug delivery and micro atomization technology for inhalation drug delivery. We are continuously advancing towards becoming a professional technical solution provider by developing various drug delivery technology platforms and related product applications.

Global Expansion

Over the years, deeply rooted in research and development, with a focus on quality and technical capabilities, MicroBase excellent team strives to provide the best products and services. We actively collaborate with industry, academia, and research institutions to apply MEMS technology across various fields, offering comprehensive drug delivery solutions to customers worldwide. We continue to actively expand global patent coverage, and enhancing the market leadership of Pocket Air®.

Mi Innovation
Metrics **C** Responsible **RO** Outstanding
Customer **BASE**
TECHNOLOGY CORP.

Vision

Becoming the global preferred partner for high quality manufacturing solutions. In the fields of respiratory healthcare, ink cartridge nozzle plates, and beauty products, we set the standards for innovation, reliability, and sustainability. Through continuous efforts and constant innovation, we are dedicated to providing excellent solutions to meet the growing demands of our customers and to stand out in the industry.

Mission

Providing innovative services. We aim to exceed customer expectations and promote industry development through continuous efforts and collaboration with various partners. By actively expanding into different markets and diversifying our sales portfolio, we contribute to the growth and success of our partners and stakeholders, driving progress and development in the industry.

Value

Implementing strict quality control measures at every stage of the manufacturing process. We optimize production yield and efficiency to strengthen product competitiveness. This includes comprehensive inspection, testing, and adherence to international quality standards. Our goal is to produce products that meet or exceed customer expectations, ensuring their reliability and quality.

Innovation

The world's first successful production of the SOMIST® soft mist inhaler, integrating drug and device.

Product

The first in Taiwan to sell the GOCare® hands-free home nebulizer.

Aerosol Drug Delivery Solution

Research & Development

Successfully developed the LoyalCare® nebulizer connected to ventilators, breaking the monopoly of a single major manufacturer.

Technology

The first in the world to develop and sell SILENTNEB™ detachable nebulizer technology, offering rental services to reduce treatment costs.

Milestones

2024

LoyalCare nebulizer system was awarded the Taiwan Excellence Award and has obtained the Taiwan Medical Device License.

2023

- Calibration lab achieves ISO/IEC 17025 certification
- Approved biotech and pharmaceutical company

2022

GOCare achieved medical device certification in Australia and Brazil.

2020

The Rumor microneedle series achieves Halal Certificate.

2019

SILENTNEB approved by NMPA.

2018

Signed a USD 15 million technical cooperation agreement with Tianjin Jinyao Group.

2017

GOCare achieves FDA cleared.

2016

The establishment of a subsidiary in Shanghai.

2015

LoyalCare awarded product of outstanding Interest in ERS International Congress.

2014

- GOCare achieves CE 0120, TFDA Class II medical device approval.
- Complete respiratory system lab.
- Complete polyimide vibrating mesh.

2013

- IPO Listing
- Respiratory & ophthalmic nebulizer developed

2011

Moved to a combined factory and office in Bade City, Taoyuan County.

2010

Polyimide vibrating mesh introduced into medical device applications.

2008

Pd-Ni vibrating mesh (aperture plate) achieves FDA approval.

2007

Launch of micro piezoelectric pump.

2006

Sets up micro-electroforming production line for Pd-Ni vibrating mesh (aperture plate).

2005

Sets up the second excimer laser production line.

2004

Approval granted for listing on the emerging stock market.

2003

Launches 600 dpi nozzle plate product and commences mass production.

2001

Completes the first excimer laser production line and begins developing plastic nozzle plate.

1997

MicroBase Technology Corporation is established with a capital of 26 million US dollars

Product Development History



2024

Launched Taiwan first GOCare hands-free nebulizer.



2023

Launched GOCare senior edition, designed for children and the elderly.

2020

Developed SOMIST soft mist inhaler that does not require propellants.



2019

The world's first company to develop the detachable nebulization technology SILENTNEB

Launched LoyalCare inline system nebulizer for use in hospitals and long-term care centers.



2017

Developing Microneedle beauty products.



2013

Launched nebulizer products for respiratory and ocular use.



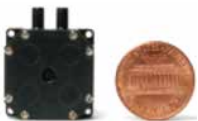
2010

Became the first in the world to use polyimide material for nebulizer.



2007

Developed micropiezoelectric actuator pump products.



2006

Developed nebulizer materials using palladium-nickel alloy and nickel-cobalt.

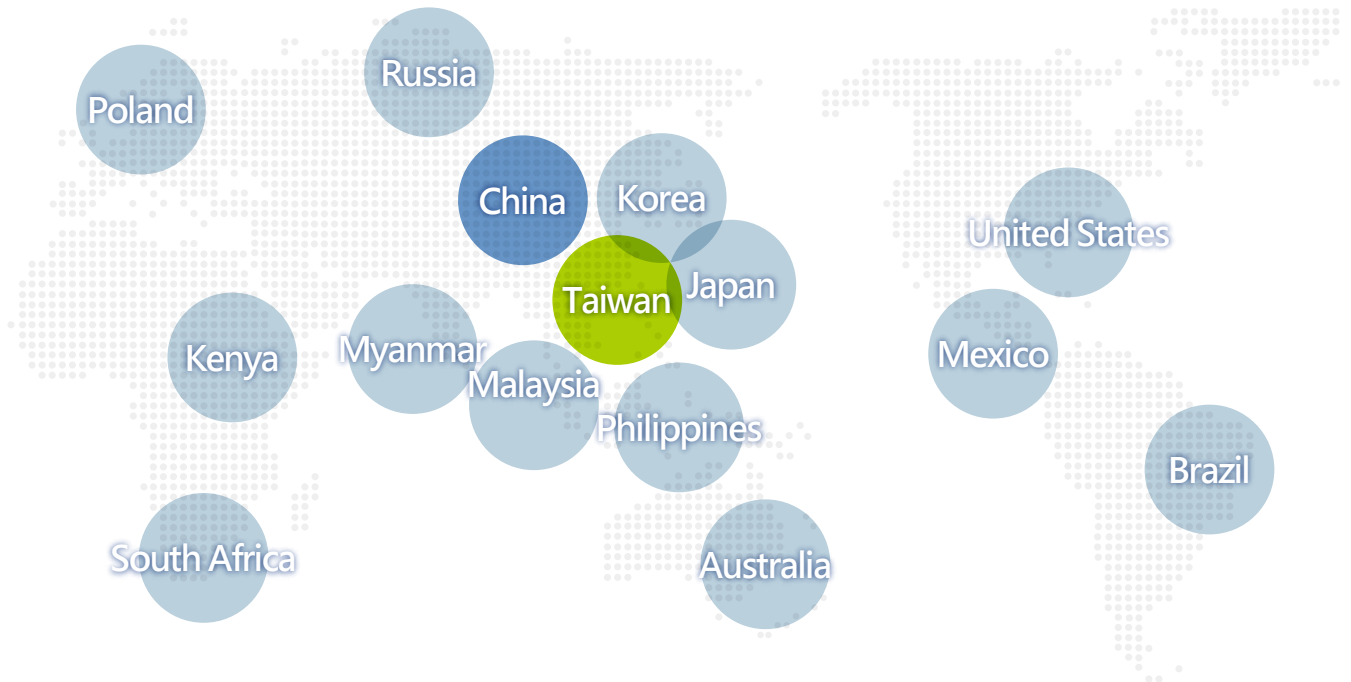


2003

Launched 600 dpi nozzle plate products and began mass production.



Sales Markets



MICROBASE[®]
TECHNOLOGY CORP.

Head Quarter

Established May 12, 1997

Capital US\$26 million

No. 756, 758, Jiadong Road, Bade District,
Taoyuan City, Taiwan

 **MICROBASE[®]**

Subsidiary

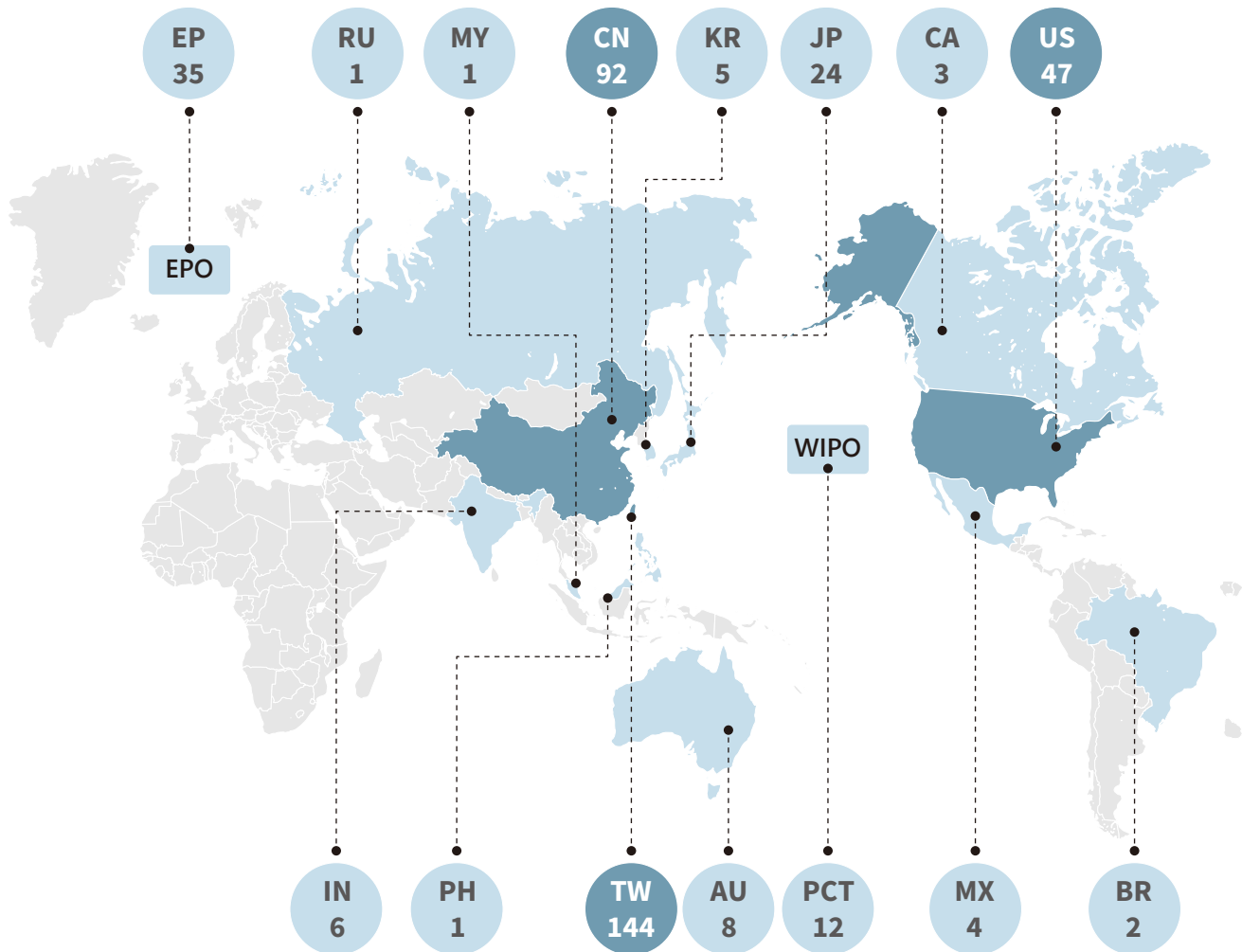
Established Feb 3, 2016

Unit I302, 3rd Floor, Building 7, No. 1188
Lianhang Road, Minhang District, Shanghai

Business Scope

- Contract Development and Manufacturing Services
- Nebulizer Drug Delivery Solution
- Polyimide Nano Laser Processing
- Microneedle Medical Beauty
- Ink Cartridge Nozzle Plates
- ISO/IEC 17025 Inhalation Product In Vitro Testing and Analysis Laboratory

Global Patent



While implementing our global business strategy, MicorBase places particular emphasis on the importance of patent layout. In addition to our commitment to technological research and development, we actively expand our patent layout to leading countries and regions in technological development, such as China, the United States, and Europe. Overall, the company's patent applications in these countries account for more than 50%, demonstrating our strong focus on the international market. By establishing a presence in key markets we are able to strengthen our competitive edge in the market.

Furthermore, we are not only emphasize strengthening our patent layout in Taiwan, with a substantial number of 144 patents, but also meticulously strategize the locations for product sales. Specifically, we have enhanced our patent layout in the Asian region, including Japan, Korea, the Philippines, and India. Additionally, targeting the market focus of our customer base, the company has further reinforced its patent layout in regions and countries such as South America and Australia. Through these patent layout strategies, we are not only able to provide technical protection for our global customers but also consolidate our position in the global market. These strategic patent layouts reflect our profound understanding and leadership in the global market, representing a significant step towards achieving our international business goals.

Aerosol Drug Delivery Solution



Homecare

GOCare®
Hands-Free Nebulizer

LoyalCare®
Inline Nebulizer

**ICU
Long-Term Care**



**Hospital
Clinic**

SILENTNEB
Disposable Mesh Cup Nebulizer

SOMIST®
Combination Product

Combination Product



Precise Flow Perfect Nozzle Plate

MicroBase utilizes a stable laser source and precise alignment equipment in Laser-LIGA technology. We have extensive experience in laser drilling, laser cutting, and the measurement systems of automatic semi-automatic processes.



Revolutionizing Skincare with Microneedles

Utilizing yellow light and a non-silicon-based electroplating molding process alongside microneedles, a cutting-edge cosmetic technology, the MicroBase features microneedles typically measuring under 3 microns in diameter and 1-100 microns in length. Its distinctive hypercube microcrystalline structure enhances skin penetration through rapid vibrations, oscillating ten times per second in both upward and downward directions, creating micro-channels in the skin. This facilitates the effective penetration of tough cuticles, enabling a deeper and more efficient delivery of skincare products, effectively doubling the skin's absorption capacity.



In-Vitro Performance Testing Services and Calibration Services

Analytic Lab is a fully accredited ISO/IEC 17025 laboratory specializing in performance testing of inhaled products. We provide comprehensive analytical services for the development and customization of inhaled delivery device, starting from early phase to regulatory submission and commercialization. With decades of experience, we can help you succeed in bringing inhaled products to market.



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| Innovate | Impact | Inspire |

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