



# OLIC

A member of Fuji Pharma Group

# OLIC (Thailand) Limited

**A member of Fuji Pharma Group**



Toll and contract manufacturer of choice  
for Global Pharmaceutical, Healthcare  
and Personal Care companies





## Managing Director

Mr. Yoshihiro Takada



**Established**  
1984



**Head Office**  
Bangpa-in Industrial Estate,  
Ayutthaya, Thailand



**Partnership**  
Over 30 Clients



**Major Shareholder**  
Fuji Pharma, Japan



**Employee**  
743 (as of Sep 2021)  
+ 52 Subcontractors



**Products**  
Over 600 SKU

OLIC started operation under Diethelm Holding (Switzerland), the pharmaceutical assets of Lepetit, at Sukhumvit, Bangkok, Thailand

OLIC became a group company of Fuji Pharma Co.,Ltd

Initiate the CDIMO Contract Development and Innovation Manufacturing Organization.

2021 OLIC achieved Thai FDA Quality Award and has been awarded for Top CMO in APAC 2021 (by Pharma Tech Outlook)

**1984**

**1997**

**2012**

**2017**

**2018**

**2020**

**2021**

**2022**



OLIC moved to new base in Bangpa-in Industrial Estate, Ayutthaya, Thailand



CHIYO, a new state of parenteral facility in Thailand, started supply sterile products to Japan market



OLIC established Office at Samyan Mitrtown in Bangkok, and launched O'MORE, alcohol hand Gel 75% v/v and alcohol hand Spray 75% v/v for hands sanitization to support our employee and society in the pandemic period of COVID-19.



In the age of innovation and development, OLIC transform to a prosperous future, represented by the **new company identity and logo**, with the slogan "Moving Together with Trust".



# OLIC (Thailand) - Management Philosophy



## Contribute to healthy living

by supply outstanding pharmaceutical and healthcare products. We take pride and pleasure in our involvement with people and appreciate the opportunity to enrich and enhance their quality of life.



## Growth of the Company

that is proportional to the development of its employees. Our goal is to facilitate the development of our employees as human beings and as leaders, providing them with opportunities for self-realization through our corporate activities.



## Raison D'être

We aim to contribute to the general improvement of healthcare through the development, production and marketing /sales of pharmaceutical and healthcare products.



## Client Orientation

Cognizant of the respective circumstances of each client, we strive to create new values by partnering with clients and achieve growth based on this synergy.



## Human Resources Development

We place great emphasis on developing employee satisfaction by offering a work environment that is fair and open, as well as ample opportunities to learn and grow, not only as workers but on a private, personal level.



## Management Policy

Our goal is to enrich and develop corporate value on a proprietary and sustainable basis by concentrating on our strengths and by engaging in limited realms and in winnable competitive fields.



## Innovation, Development and Technical Expert

- Formulation Development & Optimization
- Innovative advice



## Manufacturing

- Planning (ERP system, SAP)
- Manufacturing
- Packaging
- Redressing
- Project Management



## Quality Compliance

- Production Trials
- Stability Testing
- Process Validation & Optimization
- Analytical Method Development & Validation
- Laboratory Services



## Regulatory Capabilities

- Primary Assessment & Analysis
- Product Permission
- Import Permission
- Dossier Submission
- Compliance Check
- Major variation/ Minor variation
- Renewal and artwork preparation support\* etc.



**SAP**

## Logistics and Warehouse

- Material Sourcing
- Material Planning, Procurement (ERP system, SAP)
- Inventory tracking
- Comprehensive reporting
- Provide transportation in any modes (Truck, Ocean, Air)
- Operating import/export license
- Import and Export services
- Warehouse Service



## Environment, Health and Safety

# Serving a **Global Market**

Well-diversified destinations of our products show wide experiences in the global market



# Dosage Processes & Packaging Types

Provide broad spectrum of manufacturing offering through differentiated technologies and custom tailored processes

## Product Types / Forms

## Manufacturing Technology

## Final Pack Forms



### Sterile Liquid

Aseptic filling, Terminal Sterilization

Mixing / Filtration  
Sterilization / Depyrogenation  
Aseptic filling /  
Terminal Sterilization

- Plastic / Glass Vials
- Glass Ampoules



### Liquid (Oral, Topical)

Liquids, Solutions, Suspensions, Emulsions, shampoo

Mixing / Filtration  
Filling & Packing

- Plastic / Glass Bottles
- Sachets
- Spray Bottle, Nasal Spray
- Roll-on



### Semisolid

Cream, Gel, Ointment, Balm, Paste, Lotion

Mixing / Filtration  
Homogenizing  
Filling & Packing

- Aluminum / plastic / Laminated Tube
- Glass / Plastic Jars



### Aerosol Spray

Liquid Aerosol

Mixing / Filtration  
Filling / Crimping /  
Gassing Packing

- Aluminum Cans



### Oral Solid Dose

Immediate-Release Tablets, Film coated Tablets, Sugar Coated Tablets, Powder-Filled Capsules, Powders, Granules

Granulation (Wet / Dry)  
Tableting Coating - Film / Sugar  
Filling & Packing

- Press Through Package (PTP)
- Bottles
- Blisters, Cold-Form Blisters
- Sachets
- Strips
- Drums



### Soft-gel capsules

Gelatin-Based

Mixing  
Encapsulation - Drying  
& Packing

- Press Through Package (PTP) - Blisters

# Rough Production Capacities



## Solid Dose

- Tablets 2,000 millions
- Capsules 300 millions



## Sterile

Vials and ampoules  
12millions units



## Topical Spray

Aluminum can  
5.0 millions can



## Liquids and Creams

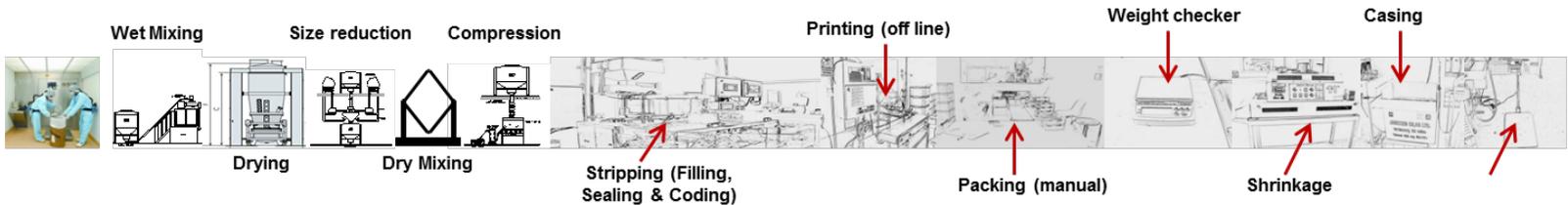
- Liquids and Creams 2,300 Tons
- Bottles, Jars 55 millions
- Tubes 20 millions
- Sachets 8 millions



## Soft Gel Capsules

Soft Gel Capsules  
200 millions

OLIC's working 2 shifts, 5 days



### Number of machine

• Granulation	6 units
• Tablet press	16 units
• Capsule Filling	3 units
• Film coating	6 units
• Sugar coating	7 unit
• Blister	2 units
• Stripping	11 units
• Catch covering	2 units
• Automatic bottle filling line	1 unit
• Tablet sachet filling	1 unit
• Powder sachet filling	1 unit
• Semi-automatic cartoner	1 unit

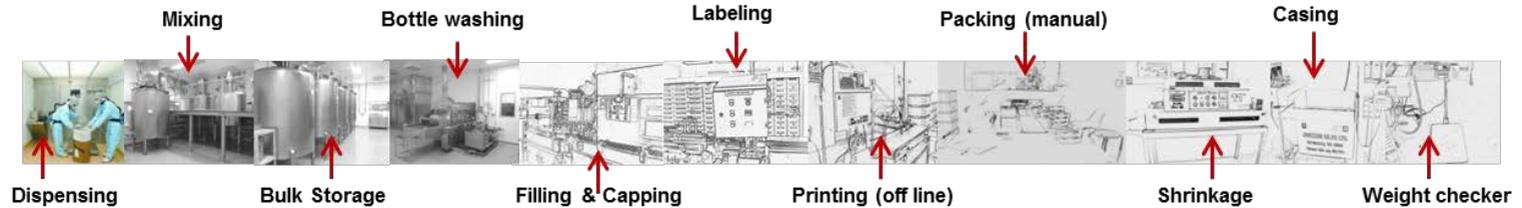
### Capacity / year

• Granulation	600 Tons
• Tablet press	2,000 Million tabs
• Capsule filling	300 Million caps
• Film coating	350 Tons
• Sugar coating	60 Tons
• Blister	40 Million tabs
• Stripping	350 Million tabs
• Catch covering	13 Million pcs
• Auto bottle filling line	5 Million bottles
• Tablet sachet filling	11 Million sacs
• Powder sachet filling	7 Million sacs
• Semi automatic cartoner	8 Million boxes

**Utilization Average 65%**

# Manufacturing process flow

## Liquid dosage form



### Number of machine

- |                               |          |
|-------------------------------|----------|
| • Mixing tank (oral liquid)   | 10 units |
| • Mixing tank (shampoo)       | 1 unit   |
| • Storage tank                | 12 units |
| • Bottle filling & capping    | 4 lines  |
| • Sachet filling              | 1 unit   |
| • Bottle washing machine      | 2 units  |
| • Bottle dryer (hot air oven) | 2 units  |
| • Paper cut labeling          | 2 units  |
| • Sticker labeling            | 3 units  |
| • Semi-automatic cartoner     | 1 unit   |

### Capacity / year

- |                  |                    |
|------------------|--------------------|
| • Mixing         | 1,800 Tons         |
| • Bottle filling | 32 Million bottles |
| • Sachet filling | 8 Million sachets  |

**Utilization Average 60%**

# Manufacturing process flow

## Semi-solid dosage form



### Number of machine

- Mixing tank (200-1,000KG) 5 unit
- Pre-mixing tank (300-800L) 3 units
- Tube filling machine 3 units
- Jar filling machine 2 units
- Bottle filling machine 1 unit
- Automatic cartoner 1 unit
- Semi-automatic cartoner 1 unit

### Capacity / year

- Mixing 500 Tons
- Tube filling 20 Million tubes
- Jar/Bottle filling 25 Million pieces

**Utilization Average 60%**

# Excellent Tracking Record



On - time  
Delivery

**>97%**

(as of FY2021)



Product  
Complaint

**<0.1%**

(0.00002%)



Rejected  
Batch

**0**



Customer  
Satisfaction

**GOOD**

(as of Y2021)



Zero Safety Accident  
(work without loss time accident)

**>2,500  
days**

(as of 07 APR 2022)

# Product Formulation Development & Scale Up Capabilities

## Technical expertise and support

Formulation development



Line extension



Process optimization



Lab scale trials



Pilot /  
Production trials



Analytical test  
method  
development



# Fully Equipped **Product Development** **Laboratory Capabilities**

● Ekato Unimix LM3

● Compression room –  
Tablet compression machine

● Granulating room –  
High speed mixer / granulator

● Coating room - Film coater

● Fluid bed room –  
Fluid bed dryer / granulator

● Mixing room

- ERWEKA multi - purpose
  - Planetary PRS Mixer with heating
  - Cubic blender
- POLYTRON PT 6100 with dispersing aggregate

● PD laboratory

- Hot air oven (Tray dryer)
- Hot plate
- Peristaltic pump; Magnetic stirrer
- IPC equipment:- Friabilator, pH meter
- Balance
- Low humidity conditions



# Extensively Equipped Chemical and **Micro Laboratory Facilities**



Chemical Laboratory



Microbiological Laboratory



Equipment Laboratory



# Quality Assurance & Quality Control

## Value Added Services include :

Process Validation

Chemical and Finished Product Testing

Counterfeit Product Testing

Cleaning Validations

Media fill simulation studies

Terminal sterilization loads

Dehydrogenation oven loads

Freeze Thaw testing

Transport Validation

Container closure integrity

Analytical method development and Validation

ICH stability programs

IQ / OQ / PQ / PV and utility qualifications



# Complied ISO, Quality and Safety Standard Guaranteed



Quality Management System (Version 2015)



Occupational Health and Safety Management System



Environmental Management System



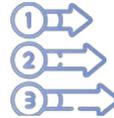
**ISO 17025**  
ACCREDITED LABORATORY



# Key Success Implementation



OLIC Thai FDA  
Quality Award 2021



Experiences in Serialization  
and Aggregation for  
stringent market



GS-1 coding system  
for Japan market

## LIMS

Completed Step2 in 2021  
to enhance lab efficiency  
& productivity.



Experiences in High  
potent drug (Hormone)  
manufacturing



Tracking quality with  
EQMS system



Material reconcile with  
high - standard dispensing  
software



Certificate of Carbon  
Footprint for  
Organization

## Sustainability - **ECOVADIS**



OLIC has been awarded a bronze medal in recognition of sustainability achievement from **ECOVADIS** which is the world's most trusted business sustainability ratings.

This awards related to :



Environment



Labor & Human Rights



Ethics



Sustainable Procurement

# WHY OLIC is the preferred partner for contract manufacturing in South East Asia

International GMP standard

Customer focused

On time delivery

Full regulatory capabilities

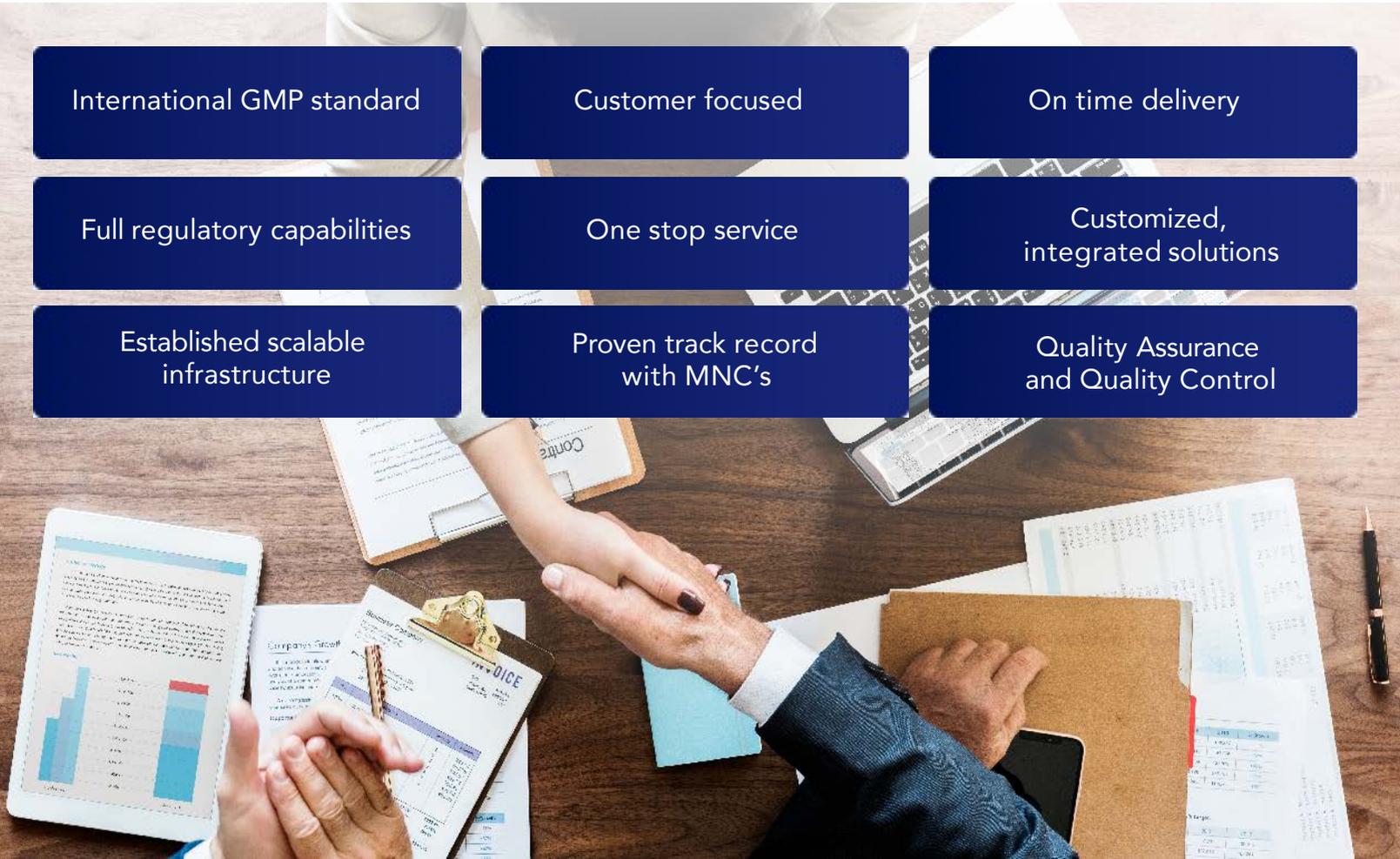
One stop service

Customized,  
integrated solutions

Established scalable  
infrastructure

Proven track record  
with MNC's

Quality Assurance  
and Quality Control





## Moving Together with Trust

ก้าวไปพร้อมกัน ด้วยความเชื่อใจ

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[www.olic-thailand.com](http://www.olic-thailand.com)

**OLIC (Thailand) Limited**  
**166 Moo 16, Bangpa-In Industrial Estate,**  
**Udomsorayuth Road, Bangkrason, Bangpa-In Ayutthaya 13160 Thailand**  
**Tel: +66 35 221 031 up to 6 (office) Fax: +66 35 221 030**  
**E-mail : [contactus@olic-thailand.com](mailto:contactus@olic-thailand.com)**