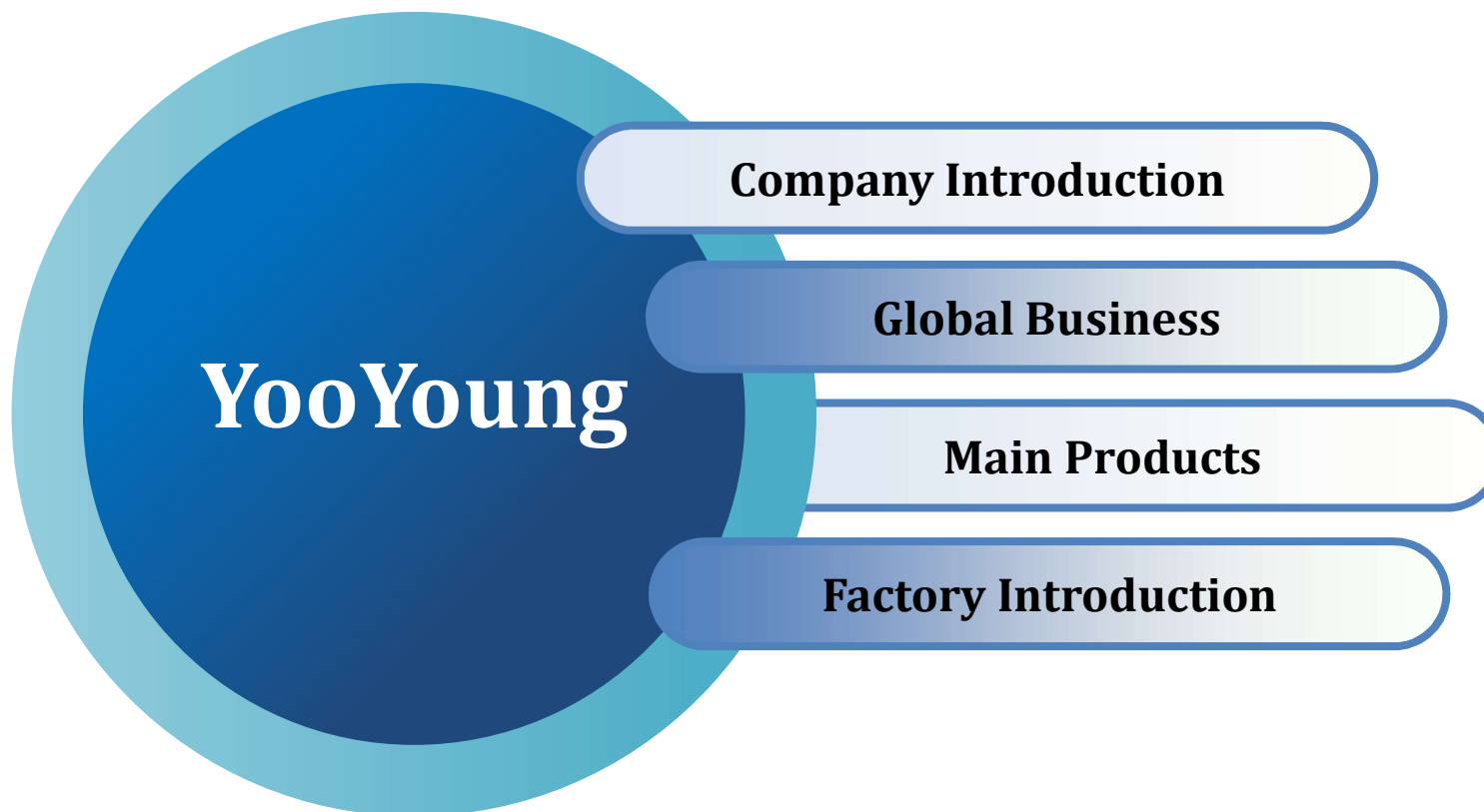


YOOYOUNG PHARMACEUTICAL

"COMPANY PROFILE 2020"



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COMPANY INTRODUCTION

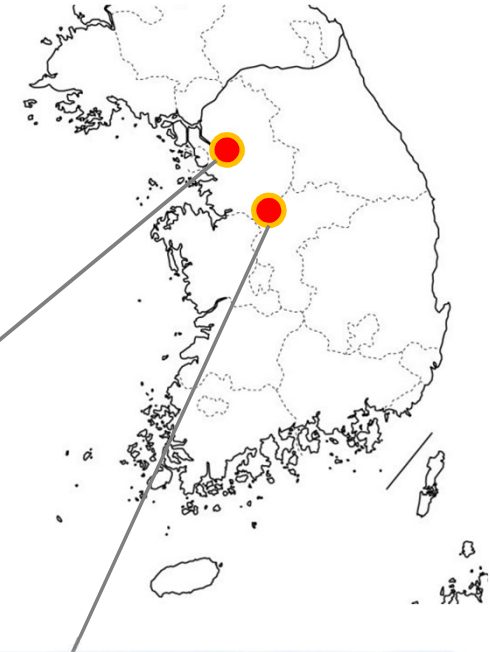


■ COMPANY OVERVIEW

YOOYOUNG

Pharmaceutical Co., Ltd.

- **Established Year: 1981**
- **No. of Employees: 390**
- **Capital: USD 3 M**
- **Sales: Total 19': USD 100 M**
“Export 19’: USD 9.6 M”
- **Location: Head Office – Seoul**
Manufacturing site – Jincheon



COMPANY INTRODUCTION



■ YOOYOUNG HISTORY

2019. 02. Approved GMP [PPB, Kenya].

2018. 05. Re-accredited as foreign drug manufacturer by JAPAN MHLW.

Renewal of GMP Inspection by JAPAN PMDA for OSD.

04. Renewal of ISO 13485.

2017. 04. Renewal of CE Mark for HA Inj. for Knee Arthritis.

2016. 12. Awarded “\$5 Million - Export Trophy” at the Trade day.

2015. 08. Accredited by PIC/s GMP Inspection.

2014. 07. First export to Europe [HA Inj. for Knee Arthritis]

01. Consolidated and Extended of research laboratory [Pharmaceutical + Bio]

2012. 04. GMP Inspection by JAPAN PMDA for the Injections

Obtained CE Mark for HA Inj. for Knee Arthritis.

2009. 09. GMP Inspection by JAPAN PMDA for OSD.

2008. 05. Accredited as foreign drug manufacturer by JAPAN MHLW.

2007. 06. Extended Jincheon Factory on the level of EU-GMP.

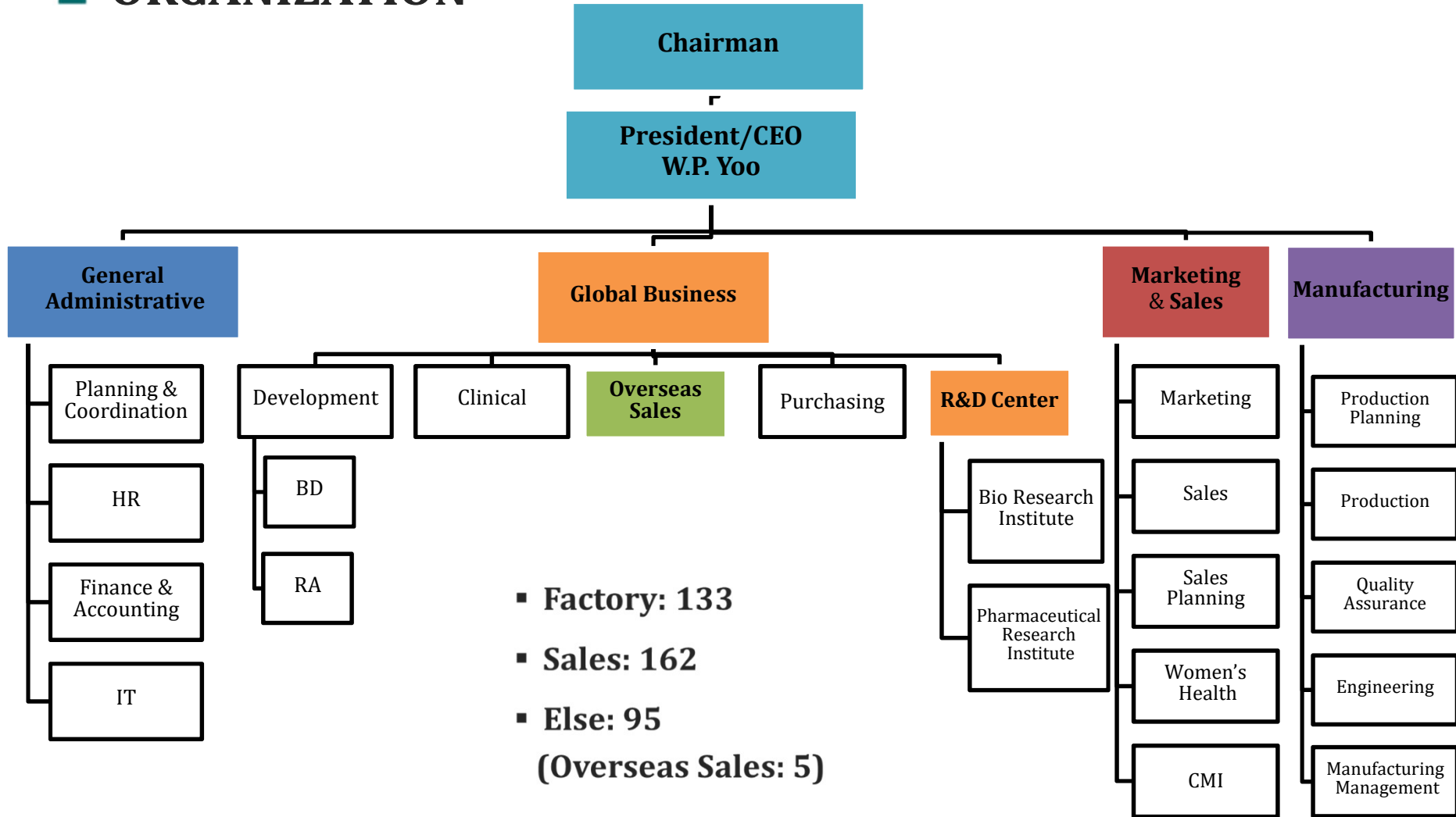
1991. 04. Approved KGMP by Korea MOH [Ministry of Health].

1981. 12. Established.

COMPANY INTRODUCTION



ORGANIZATION

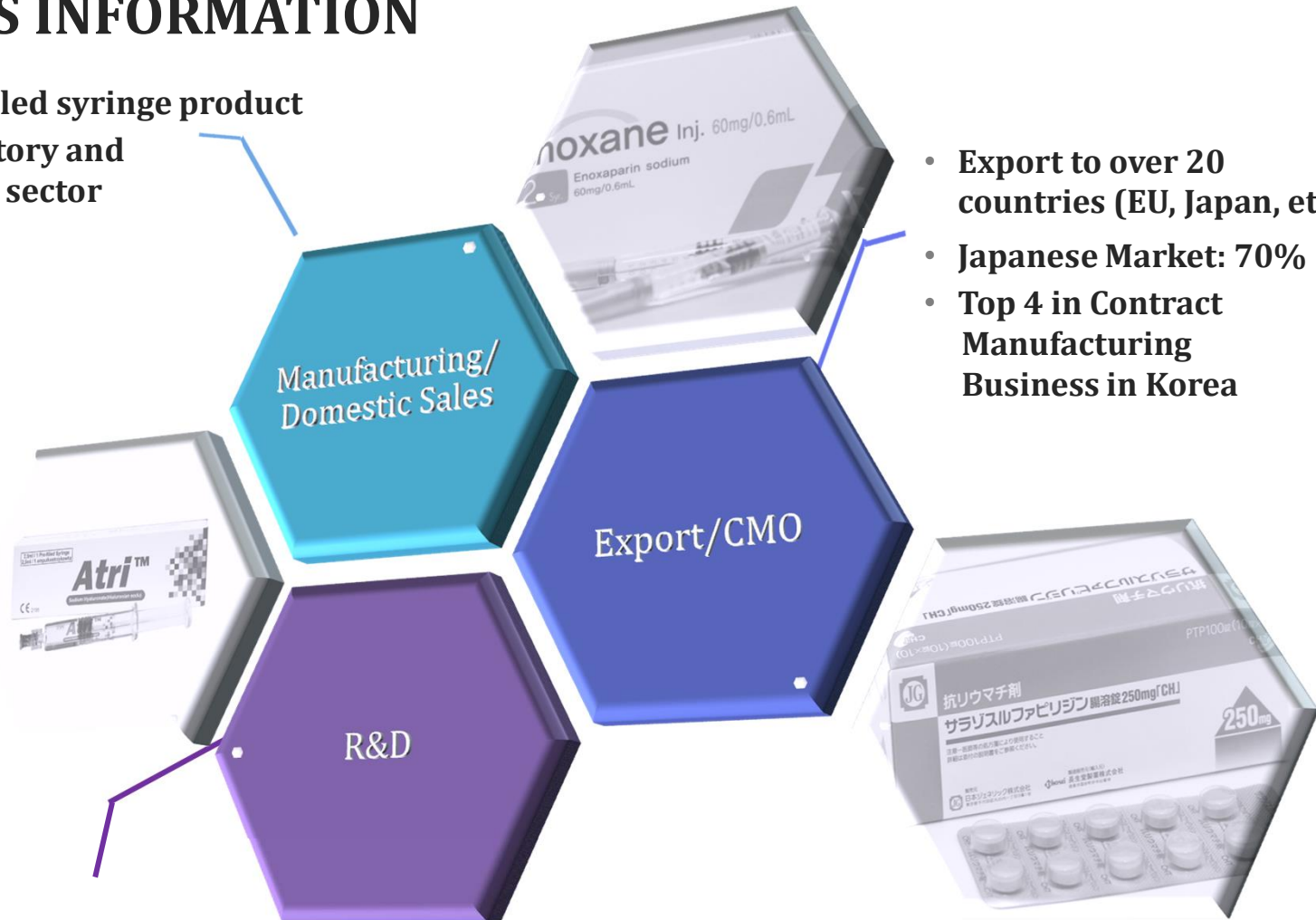


COMPANY INTRODUCTION



BUSINESS INFORMATION

- The lead of Pre-filled syringe product
- Long & strong history and specializing in OS sector



- Export to over 20 countries (EU, Japan, etc.)
- Japanese Market: 70%
- Top 4 in Contract Manufacturing Business in Korea

- Bio, Pharmaceutical Research Laboratory Center
- Focusing on development of Incrementally modified drug and Biologics



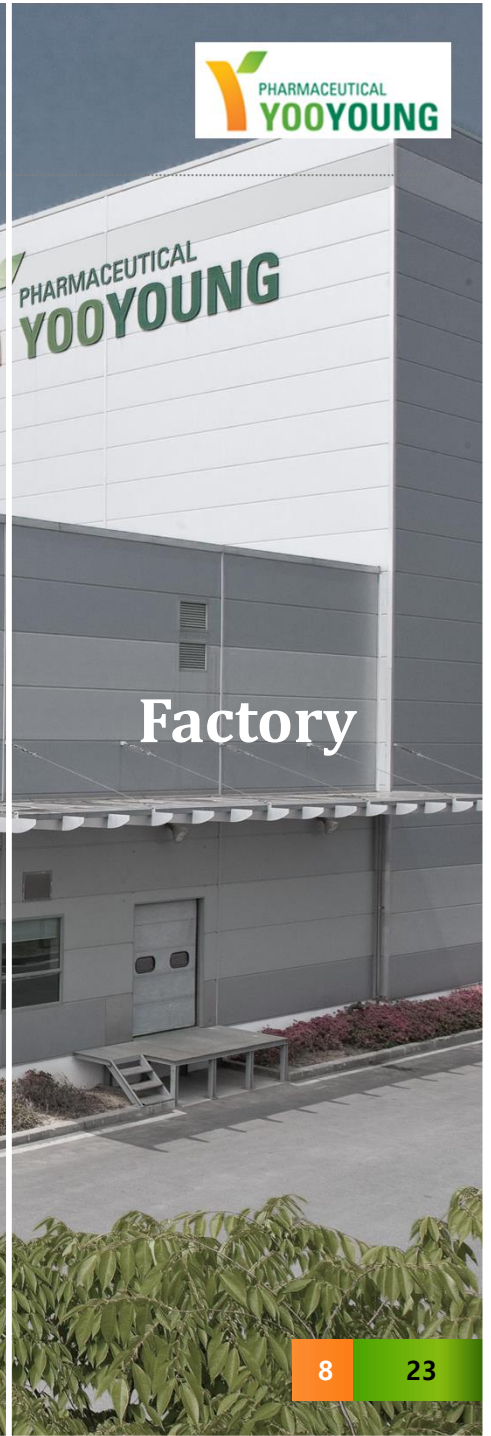
Company Introduction



Global Business



Main Products



Factory

■ EXPORTING COUNTRIES



GLOBAL BUSINESS

■ Major exporting countries

- Japan: Sulfasalazine Tablet 250/500mg [CMO business]
- EU: Atri & Atri Plus Inj. [CE]
- CIS: Atri & Atri Plus Inj.
- MENA: Cnoxane Inj., Atri & Atri Plus Inj.
- SEA: Atri & Atri Plus Inj., Rabeprazole Tab., Alendronate Tab.
- LaTam: Atri & Atri Plus Inj., Baclofen Tab.,
Ibandronic Acid Inj., Lalaca Cap 75/150mg . Etc.





Company Introduction



Global Business



Main Products



PHARMACEUTICAL
YOOYOUNG

Factory

Main Products

■ PRODUCTS LIST

PRODUCT NAME	COMPOSITION	INDICATION
Atri Injection [CE]	Sodium Hyaluronate 25mg/2.5mL	Arthritis, Scapular periarthrits
Atri Plus Injection [CE]	Sodium Hyaluronate 20mg/2.0mL	Arthritis, Scapular periarthrits
Cnoxane Injection	Enoxaparin Sodium 20/30/40/60/80mg	LMWH : Anti-Coagulants
Yoosetron Injection	Palonosetron HCl 0.056mg/mL (1.5, 5ml)	Chemotherapy Induced Nausea and Vomitting
Ibandronate Injection	Sodium Ibandronate 3.375mg/3mL	Osteoporosis in postmenopausal women
Asasurfan Tablet	Sulfasalazine 500mg/250mg	Ulcerative colitis
Yooritek Tablet	Riluzole 50mg	Amyotrophic Lateral Sclerosis(ALS)
Rabetra Tablet	Rabeprazole Sodium 10/20mg	PPI
Baclan Tablet	Baclofen 10mg	Muscle relaxants
Altoriton Plus Tablet	Risedronate 35mg + Vitamin D	Osteoporosis in postmenopausal women
Arenmax Tablet	Alendronate 70mg	Osteoporosis, Bone-resorption inhibitor
Lalaca Capsule	Pregabalin 75mg/150mg	Epilepsy, Neuropathic pain, Fibromyalgia syndrome

Main Products

■ MAIN PRODUCTS

1-1.Sodium Hyaluronate Inj. (Pre-filled) : Intra-Articular



PRODUCT NAME	COMPOSITION	REMARK
Atri Inj.	Sodium Hyaluronate 25mg/2.5ml [M.W: 1,000,000 ~ 1,500,000 Da]	5 cycle Inj.
Atri Plus Inj.	Sodium Hyaluronate 20mg/2.0ml [M.W: 2,500,000 ~ 3,000,000 Da]	3 cycle Inj.

Main Products

2. Enoxaparin Sodium Inj. (Pre-filled): Anti-Coagulant



PRODUCT NAME	COMPOSITION	REMARK
Cnoxane Inj.	Enoxaparin Sodium 20/30/40/60/80mg	- CTD Dossier Available - First and only generic in Korea

3. Palonosetron HCl Inj. (Pre-filled): Anti-emetic Agent



PRODUCT NAME	COMPOSITION	REMARK
Yoosetron Inj.	Palonosetron HCl 0.056mg/ml (1.5ml, 5ml)	- Pre-filled Syringe - Avoid Patent Infringement

Main Products

4. Sodium Ibandronate Inj. (Pre-filled): Osteoporosis



PRODUCT NAME	COMPOSITION	REMARK
Yoodron Inj	Sodium Ibandronate Monohydrate 3.375mg/3ml (3mg as Ibandronic Acid)	- Osteoporosis in postmenopausal women

5. Sulfasalazine Enteric Coated Tab. : Gastro-Intestinal



PRODUCT NAME	COMPOSITION	REMARK
Asasurfan Tab.	Sulfasalazine 500/250mg	- Reumathritis, Ulcerative Colitis - Exporting to Japan (CMO)



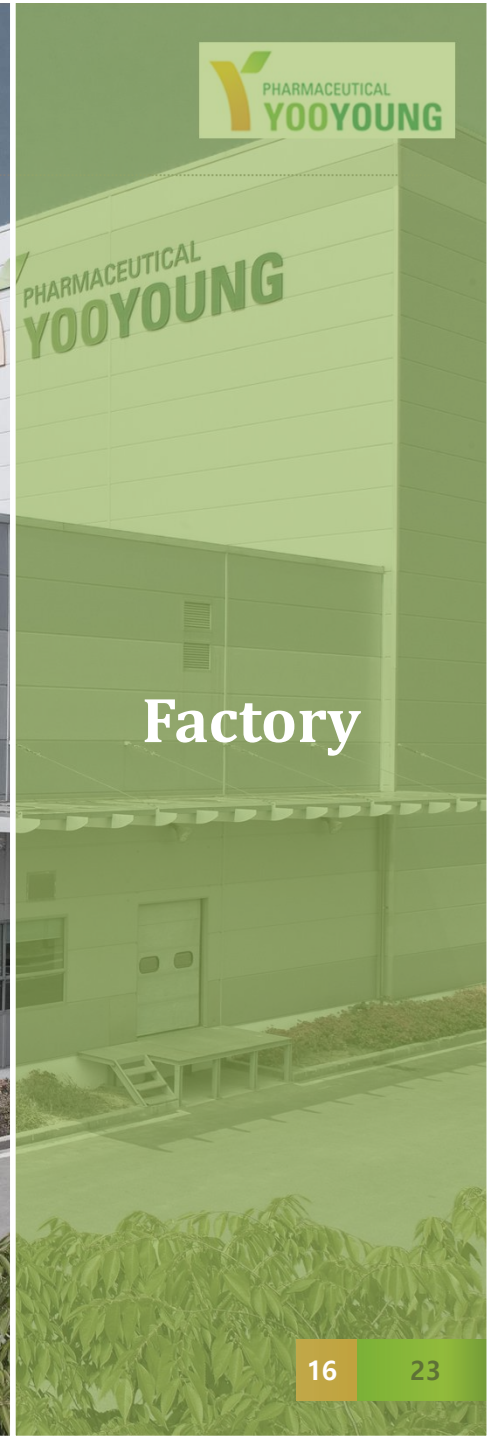
Company Introduction



Global Business



Main Products



Factory

FACTORY INTRODUCTION



FACTORY INTRODUCTION

■ SITE DESIGN

Size	23,000m ² (Land) 15,000m ² (Building)
Extension date	June 2007
Dosage form	- Oral Solid : Tablet, Capsule - Injection : Pre-filled syringe, Ampoule
Inspected by	- Korean MFDS (PIC/s) - Japanese PMDA - CE Authority



FACTORY INTRODUCTION

MANUFACTURING CAPACITY



Classification	Dosage	Capacity (1 Year)
Oral Solid Dosage	Tablet	350,000,000 Tab.
	Capsule	65,000,000 Cap.
Injection	Pre-filled Syringe	3,000,000 PFS.
	Ampoule	16,000,000 Amp.

FACTORY INTRODUCTION



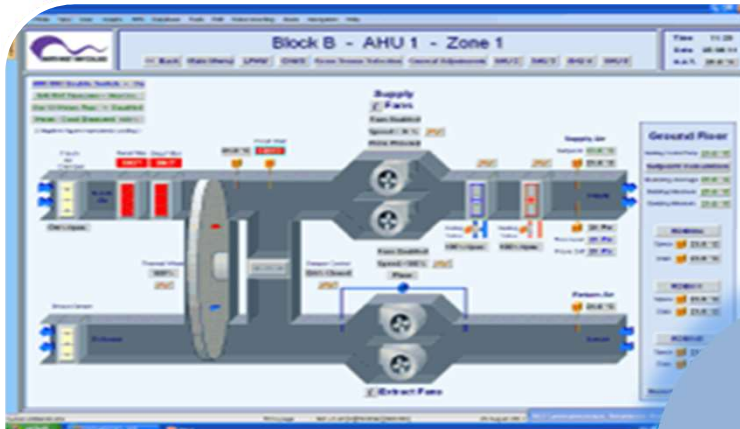
OVERSEAS INSPECTION HISTORY

- 2008.05 Accredited as Foreign Drug Manufacturer by Japan
- 2009.09 Japan PMDA Approval of Oral Solid Dosage
- 2012.01 Approved EU CE Certificate
- 2012.04 Japan PMDA Approval of Pre-filled Syringe
- 2015.08 Approved PIC/s GMP [MFDS, Korea]
- 2016.03 Inspection by Japanese Company “Choseido & Nichi-iko”
- 2017.04 Re-approved EU CE Certificate
- 2018.04 Re-approved ISO 13485
- 2018.05 Re-accredited as Foreign Drug Manufacturer by Japan
Japan PMDA Re-approval of Oral Solid Dosage
- 2019.02 Approved GMP [PPB, Kenya]



FACTORY INTRODUCTION

■ FEATURE OF PRODUCTION FACILITIES



Building Management System (BMS)

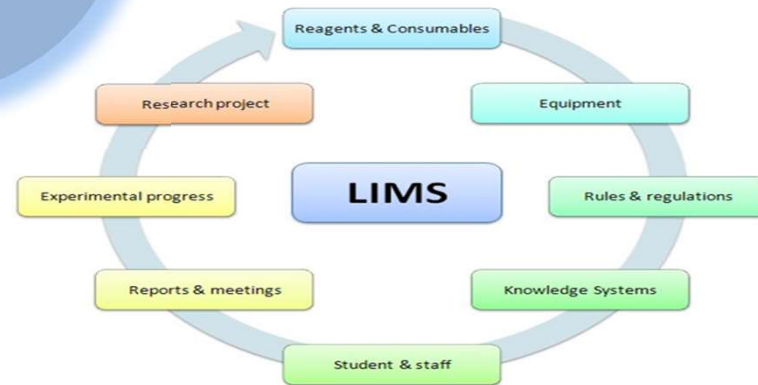


Warehouse Management System (WMS)

Global Standard Plant



Inj./OSD Manufacturing Execution System (MES)



Laboratory Information Management System (LIMS)

FACTORY INTRODUCTION

■ MANUFACTURING FACILITY



Pre-filled Syringe Line



Tableting Line



Film Coating System



Automatic Ampoule filling Line



Automatic Packaging Line



Automatic warehouse

Be With YooYoung!