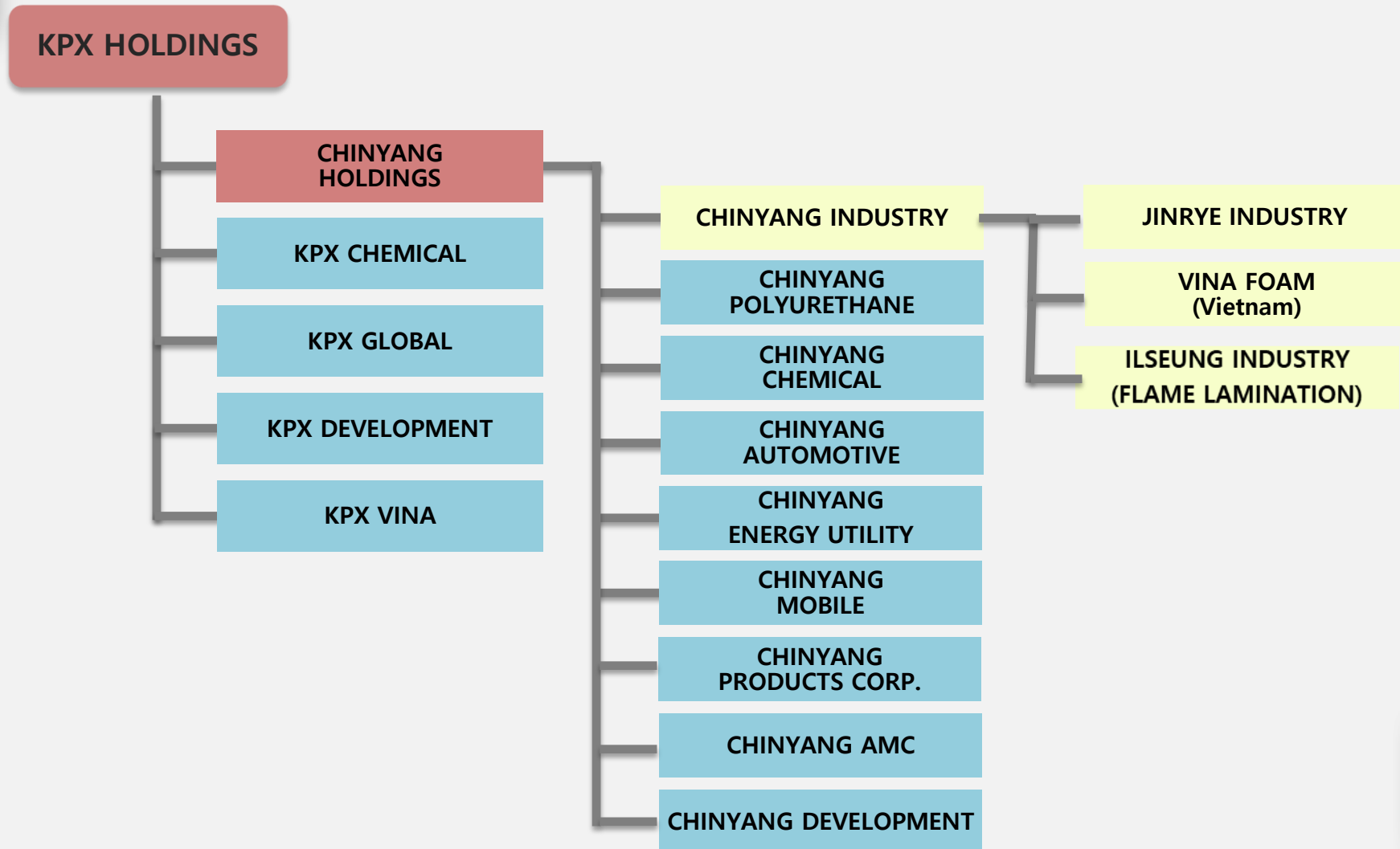


Think of people and nature first.

# COMPANY PROFILE

## CHINYANG INDUSTRY CO.,LTD.

# CHINYANG GROUP



# INTRODUCTION

CHINYANG INDUSTRY CO.,LTD.  
SOFT POLYURETHANE FOAM



<b>Company Name</b>	CHINYANG INDUSTRY Co.,LTD.
<b>CEO</b>	CHO YOUNG TAE
<b>Date of establishment</b>	July 18, 1963.
<b>Address</b>	42, Yusangongdan 7 gil, Yangsan-si Gyeongsangnamdo, Korea
<b>Capital amount</b>	5million US\$
<b>Sales(2022)</b>	67million US\$
<b>Number of employees</b>	80 people
<b>Main product</b>	Soft Polyurethane Foam
<b>Homepage</b>	<a href="http://www.cyc1963.com">www.cyc1963.com</a>

# HISTORY

CHINYANG INDUSTRY CO.,LTD.  
SOFT POLYURETHANE FOAM

## 1963~1995

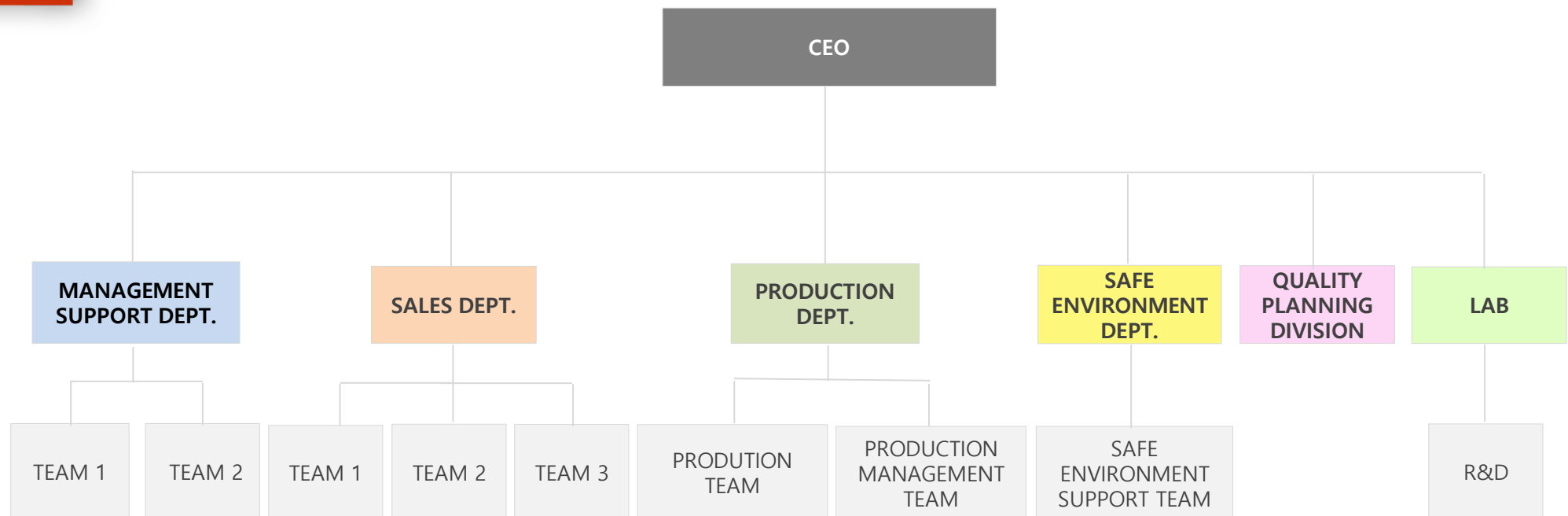
July,1963	Chinyang chemical Establishment
June,1973	Be listed on the Korea stock exchange
March, 1974	Completion of a synthetic resin plant(ulsan)
December, 1975	Silver Tower Industrial Medal award
November, 1976	Gold Tower Industrial Medal award
November, 1978	100 million US\$ export award
March, 1979	Change company name into Chinyang Co.,LTD.
November, 1992	Stop production shoes
November, 1993	Munmak factory completion
December, 1995	Munmak factory closing business

## 1999~present

September,1999	Hanse Chemical Co., Ltd. Absorption merger and the succession of VINAFOAM, an overseas corporation.
January, 2001	Devison Ulsan factory(Chinyang chemical)
May,2001	KS A9002 / ISO 9002 Certification acquisition
August, 2004	Build Yusan factory and relocaiton
December, 2006	Devison Pusan Factory(Chinyang mulsan)
March, 2007	Change company name into Chinyang Inustry CO.,LTD
January, 2008	a partial merger of the investment business (Chinyang Holdings)
April. 2018	Stock acquisition of Jillye industry Stock Acquisition(Subsidiary inclusion)
July,2020	Acquisition of Ilseung Industrial Co., Ltd. And Incorporated into a subsidiary

# 회사 조직도

CHINYANG INDUSTRY CO.,LTD.  
SOFT POLYURETHANE FOAM



# MAIN PRODUCTS

CHINYANG INDUSTRY CO.,LTD.  
SOFT POLYURETHANE FOAM

## FLAME LAMINATION FOAM

- A product that can be laminated with various fabrics (fabric, PU fabric, PVC fabric, etc.) by using the fusion material generated when the surface of PU foam is melted with flame.
- Case of application : car seat, headrest, door trim, headliner, etc.



## FLAME RETARDANT FOAM

- Products that satisfy the flame retardant regulations (MS 300-08, FMVSS 302, etc.) by adding flame retardant materials
- Cases of application : Automobile sound absorbing pads, sealing products, household appliances, sound absorbing materials, etc.

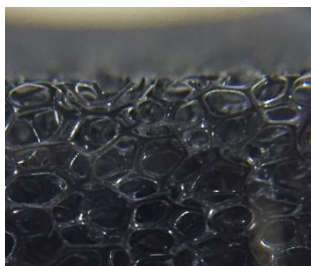


# MAIN PRODUCTS

CHINYANG INDUSTRY CO.,LTD.  
SOFT POLYURETHANE FOAM

## FILTER FOAM

- Products made of OPEN-CELL by artificial method of all cells of PU FOAM, a porous material
- Cases of application: car ventilation seats, vacuum cleaners, air conditioner filters, various air filters, scrubbers, etc.



## HIGH RESILIENT FOAM

- Product that maximizes resilience by improving elasticity of PU foam
- Cases of application : sofa, bed mattress, various mats, etc.

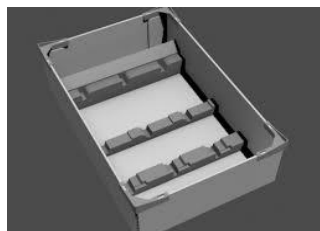


# MAIN PRODUCTS

CHINYANG INDUSTRY CO.,LTD.  
SOFT POLYURETHANE FOAM

## HIGH LOAD BEARING FOAM

- Hardness (compression, surface) superior to general PU foam
- Cases of application : Various packaging materials, medical aids, etc.



## SPECIAL FOAM

- Semi-non-combustible foam, memory foam, antibacterial foam, anti-foam foam, anti-foaming foam, etc.
- Cases of application : Car, Bed Mattress, Scrubber, Shoes, etc.





# MAIN FACILITY

CHINYANG INDUSTRY CO.,LTD.  
SOFT POLYURETHANE FOAM



## ENDLESS CUTTING M/C

– Roll product cutting

Glue the end of the 50M block with adhesive, cure it for a certain time, and then cut it by rotating it tightly against the belt.  
(Manufacturer : FECKEN-KIRFEL / Germany etc.)

–Quantity: 3 units



## TWO DIMENSIONS CUTTING M/C

– Products of various shapes

Cutting knife rotates and moves according to the input drawing.  
(Manufacturer : FECKEN-KIRFEL / Germany etc.)

–Quantity: 3 units

# MAIN FACILITY

CHINYANG INDUSTRY CO.,LTD.  
SOFT POLYURETHANE FOAM

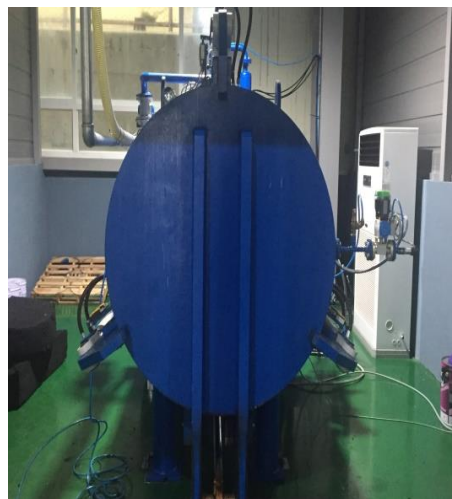


## ROUND CUTTING M/C

– Sheet product cutting

Cut the short blocks by thickness  
as the disc rotates  
(Manufacturer: FECKEN-KIRFEL / Germany etc.)

–Quantity: 3 units



## RETICULATION M/C

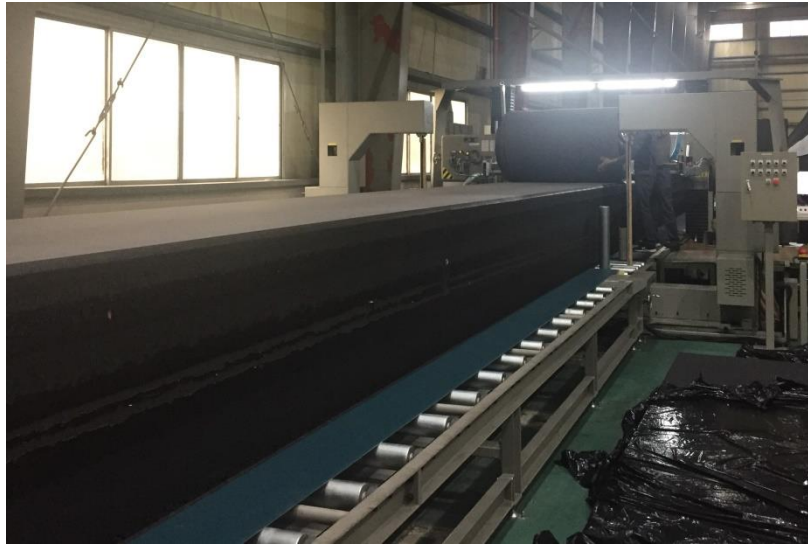
– Reticulate filter foam of various cell size

Cell Membrane Removal Device for Filter Foam  
Manufacturing  
(Production country : Belgium etc.)

–Quantity: 3 units

# MAIN FACILITY

CHINYANG INDUSTRY CO.,LTD.  
SOFT POLYURETHANE FOAM



## HORIZONTAL CUTTING M/C

– Cut sheet or roll product

50M/6M base plate moves back and forth to cut long blocks by thickness  
(Manufacturer : BAEUMER / Germany etc.)

–Quantity: 2 units



## PROFILE CUTTING M/C

– Cut sound absorption product

Embossing for improved sound absorption  
(Manufacturer : METAL ENGINEERING / Korea)

–Quantity: 2 units

# MAIN FACILITY

CHINYANG INDUSTRY CO.,LTD.  
SOFT POLYURETHANE FOAM



## VERTICAL CUTTING M/C

- Cut Products of various sizes

Cutting vertical surface of the product using a rotary knife

(Manufacturer : METAL ENGINEERING / Korea etc.)

- Quantity: 5 units



# MANUFACTURE PROCESS

CHINYANG INDUSTRY CO.,LTD.  
SOFT POLYURETHANE FOAM

Chinyang Industry Co., Ltd. plays an important role as a leader in the polyurethane industry and produces various and excellent quality polyurethane foams for various manufacturing industries including the automotive, electronics and footwear industries. In addition, we are responding quickly to customer demands based on our skilled production technology and "know-how" obtained through years of production experience and research.



**Raw materials restocking and storage**  
(Temperature, quantity check and import inspection)



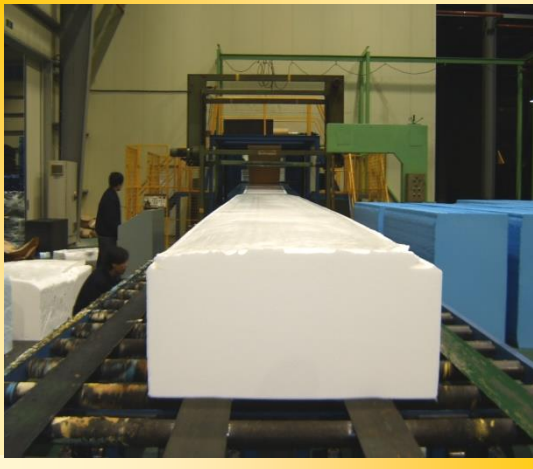
**Mixing**  
(Appearance status such as temperature, gauge)



**Foaming**  
(Checking the Raw Liquid Flow and Foam Formation)

# MANUFACTURE PROCESS

CHINYANG INDUSTRY CO.,LTD.  
SOFT POLYURETHANE FOAM



Vertical Cutting  
(Cutting by length of foam block)



Aging  
(Block aging and storage)



Cutting  
(Cutting by thickness)



Packing  
(Contamination, wrinkles, folds, etc.)



Load  
(Load by item and size)



Release  
(Check the condition such as quantity and pollution by standard)



# R&D CENTER EQUIPMENT

CHINYANG INDUSTRY CO.,LTD.  
SOFT POLYURETHANE FOAM



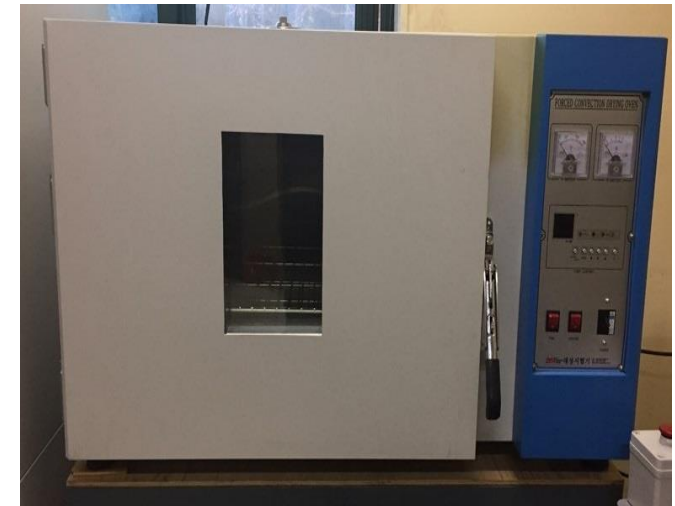
UNIVERSAL TEST M/C)

- Compression Hardness
- Tensile Strength
- Tear strength
- Elongation etc.



COMBUSTIBILITY TEST  
M/C)

- FMVSS
- UL
- MS



THERMO-HYGROSTAT M/C)

- Heat aging
- Permanent Compression Shrinkage



# R&D CENTER EQUIPMENT

CHINYANG INDUSTRY CO.,LTD.  
SOFT POLYURETHANE FOAM



ULTR-VIOLET TEST  
M/C

- PU FOAM Discoloration test



FOGGING TEST M/C

- Automotive interior fogging test



FOAM POROSITY TESTER

- PU FOAM Ventilation test

# 인증서

CHINYANG INDUSTRY CO.,LTD.  
SOFT POLYURETHANE FOAM



International Certification Registrar



## Certificate of Registration

This is to certify that :

**CHIN YANG INDUSTRY CO., LTD.**

42, Yusangongdan 7-gil, Yangsan-si, Gyeongsangnam-do, Korea

Has been assessed by International Certification Registrar Ltd., in respect of their  
Quality Management Systems and found to comply with

**ISO 9001:2015**

Approval is hereby granted for registration providing the rules and conditions  
relating to certification are observed at all times.

Certification Scope

Design, Development, Manufacturing of Polyurethane Foam

Certificate Issue Date : 19<sup>th</sup> August 2021 Initial Issued Date : 03<sup>rd</sup> July 2007

Expiration Date : 30<sup>th</sup> August 2024 Certificate No. : Q11692/06

✳ This certificate is valid by completion of surveillance audit which is conducted within 12 months from the certification date.

The Seal of ICR Limited was hereto affixed  
in the presence of :

*[Signature]*

President



This certificate is intellectual property of ICR.  
This certificate is only valid by completion of surveillance audit which is conducted at least once a year.  
- You can verify the authenticity of this certificate on "Certification Center" at [www.icrg.com](http://www.icrg.com)  
- If you cannot mail this certificate, this certificate shall be returned to ICR.

ICR Co., Ltd. 112, Hwanggaun 3-ro 7beon-gil, Yangzon-eup, Gimpo-si, Gyeonggi-do, Korea <http://www.icrg.com>

