

Good company Happy Workplace

INTRODUCTION

Revised by Hyun-Hee Lee
on September 1, 2020

BLUE INDUSTRY Co., Ltd.

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❖ 1. Overview

- **Chairman / CEO** : Cheon-Sik Jung / Hyang-Nam Park
- **Foundation Day** : October 31, 2008
- **Homepage** : <http://www.blueind.co.kr>
- **TEL** 82-55-604-0068 / **FAX** 82-55-383-4561
- **Location**
 Headquarters : 17-30, Eogokgongdan 4-gil, Yangsan-si
 1st factory : 16, Saemok 1-gil, Yangsan-si
 2nd factory : 17-24, Eogokgongdan 4-gil, Yangsan-si
- **Holding status of IP rights (27 in total)**
 Registration : 7 Patents , 1 Practical New Application,
 8 Designs, 6 Trademarks
 Application : 2 Patents, 3 Designs
- **Production Capacity**
 1 million/day, 25 million/month, 300 million/year



Headquarters

Production Classification	Equipment Quantity	Per MONTH (25 days)	Per YEAR
KF-94 Mask (1 million/day)	2D	13	17,000,000
	3D	7	8,000,000
			204,000,000
			96,000,000



1st factory



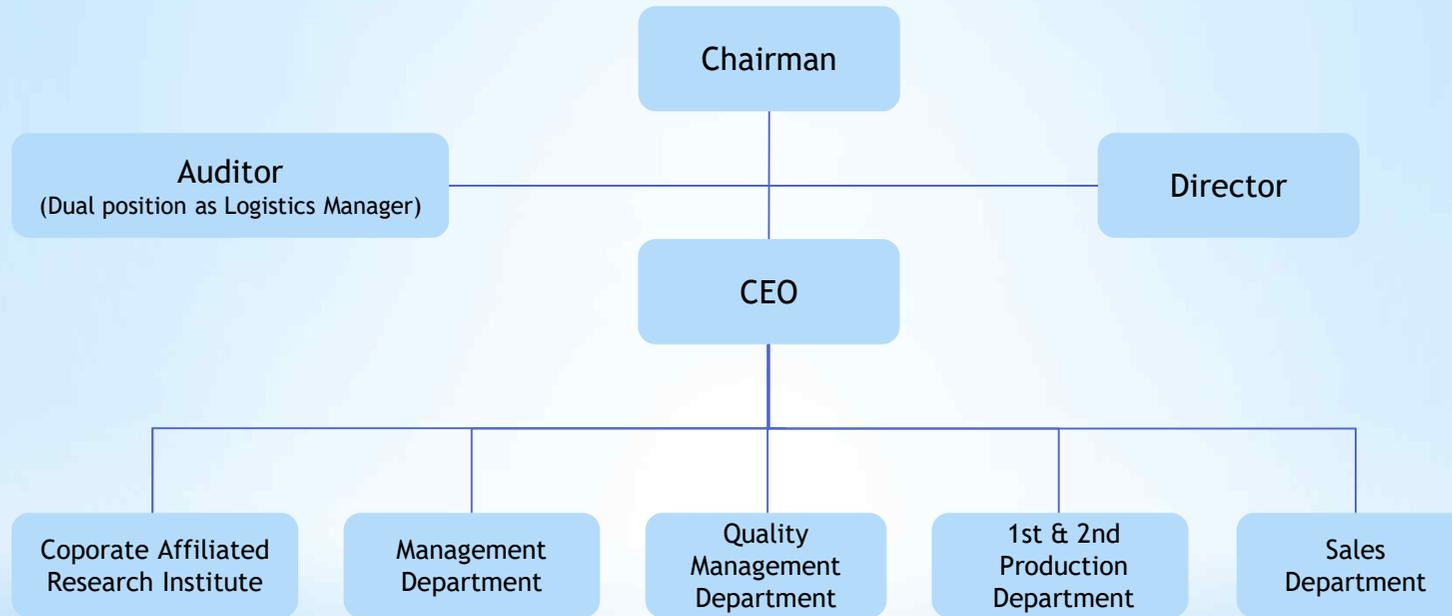
2nd factory

「 Do it right from the beginning 」

❖ 2. History

- 2008. 10 Founded Blue Industry Co., Ltd.
- 2008. 10~ Started supplying industrial safety supplies to (Sungdong Shipbuilding & Marine Engineering Co., Ltd.)
- 2012. 03 Certified as a venture company
- 2014. 02 Established a research institute affiliated with a corporation
- 2017. 03 Reported manufacturing of out-of-medical products to the Ministry of Food and Drug Safety
- 2017. 11 Obtained a certificate of registration for Quality Management System according to ISO9001:2015
- 2018. 03 Obtained a certificate of registration for Occupational Safety and Health Management System according to OHSAS18001:2007
- 2018. 03 Got approval from the Ministry of Trade, Industry and Energy for the business reorganization plan
- 2018. 11 Selected as an excellent design product by the Korea Design Promotion (BLUE mask KF94)
- 2019. 05 Registered for Atmosphere Environment Specialty Contractor Business
- 2019. 06 Obtained a certificate of free sales to Hong Kong from the Ministry of Food and Drug Safety (BLUE mask KF94)
- 2019. 06 Built a Smart Factory System
- 2019. 07 Certified as an excellent employment business by South Gyeongsang Province
- 2019. 10 Obtained a certificate of registration for Environmental Management System according to ISO14001:2015
- 2020. 04 Obtained a certificate of free sales to USA, Japan, Canada, UK and Spain from the Ministry of Food and Drug Safety (BLUE mask KF94)
- 2020. 07 Registered as Medical Device Establishment and listed BLUE mask KF94, KF80 as a Medical Device with the U.S. FDA by ILRS, U.S. Agent for FDA

❖ 3. Organization Chart



❖ 4. Policy and Goal

[Manufacturing policy]

Slogan	Cleanliness and Hygiene are the foundation of the company's existence
--------	--

< Goal and Action >

Cleanliness and Hygiene are the top priorities of quality

- Clean clothes · Sanitary gloves · Clean room

100% Execution of regulation

- Observe what must be observed

Ensuring absolute quality of 99% yield

- Standardized work · 5S · the Dailyization of self-inspection

[Quality goal]

Slogan	Realization of the perfect quality for customer satisfaction
--------	---

< Goal and Action >

ZERO defect leaks to customers

- Self-inspection · Sequential Application of Full inspection with Real-Name Inspection System

100% quality assurance for products and raw materials

- Strengthen communication with real-time feedback of required quality

Products of uniform quality without scatter

- 100% settlement of standard (Activation of the 3 standard principles)

❖ 5. Field of Business

	<p>Manufacturing and Sales of Masks</p> <p>Manufacturing sanitation/epidemic preventive masks(MFDS Approved) General sanitation mask(B2C) Public procurement / corporate sales promotion · free gifts</p>	
	<p>Manufacturing and Sales of Industrial Safety Supplies</p> <p>Welding Clothes and Welding Gloves Respiration Protectors such as Dustproof Mask Paint/Work Wear and other Subsidiaries Development of Light Safety Helmet for Disaster</p>	
	<p>Atmosphere Environment Specialty Contractor Business</p> <p>Development of Painting VOC reduction Device(Patent) Custom-made order to install in the paint shop of shipbuilding companies</p>	

❖ 6. Business Progress Status

Expansion of business field from industrial safety supplies	Overseas market entry plan for health mask	Promotion of new business based on new technology and new materials
<ul style="list-style-type: none"> • Since the establishment of the company, vulnerable groups such as the disabled and the underprivileged have mainly been employed to produce safety items such as dustproof masks and has been supplying it to Big 3 shipbuilding companies. • Due to the prolonged slump in the shipbuilding industry, the company 's management has become difficult and is looking for a way out with new products. • Expanded its scope to health mask business under the approval of the Ministry of Food and Drug Safety in March 2018 	<ul style="list-style-type: none"> • Based on 12 years of know-how in mask manufacturing technology, it is estimated to have a sales share of about 6 to 8% in the domestic fine dust mask market (on and offline), and it has the largest production capacity in Gyeongnam and Busan. • At the Mumbai Biennale in India, we have experience in product display and promotion. • It is entering India, China, Asia, America and Europe with overseas sales plans. 	<ul style="list-style-type: none"> • It succeeded in developing and mass-producing disaster safety helmets for children and delivered 3,000 sets in December 2019. • In February 2019, our company registered a patent for 'Absorption Tower equipped with Functional activated carbon containing a light-free catalyst capable of high efficiency'. In November 2019, we installed the adsorption tower in Shinhan Heavy Industries. Based on the Shinhan Heavy Industries contract, we plans to gradually expand its sales to the Big 3 shipbuilding companies. • We are developing a new materials for health mask filter.

6-1. New Business Promotion Field - Filter

A View of the New Factory



Melt Blown (MB) Filter



Filter Production Line



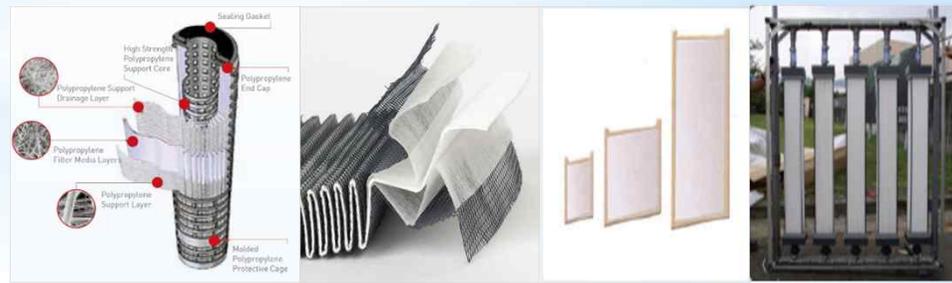
Air Purification Filter



Filter Machine



Water Treatment Filter

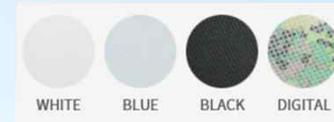


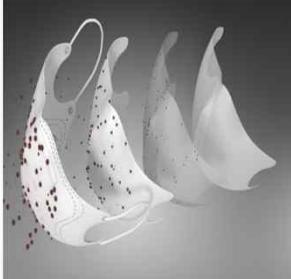
「 Do it right from the beginning 」

❖ 1. Product Introduction

1-1. Mask

MFDS Licensed BLUE Health Mask KF80
 MFDS Licensed BLUE Quarantine Mask KF94



<p>Ultralight high efficiency</p> <p>Using the highest-performance 4-step filter</p>	<p>Anti-frosting excellence without flowing down</p> <p>Using functional nose support</p>	 <p>Product selected for excellent industrial design</p> <p>GOD DESIGN</p>
<p>Easy to wear and high face adhesion</p> <p>With ergonomic design</p>	<p>Comfortable to wear it for a long time</p> <p>Using elastic mask earrings</p>	 <p>4-step Filter blocks even the smallest dust</p>
<p>Hygienic and high quality</p> <p>With automated production and direct delivery</p>	<p>Products licensed by the MFDS as out-of-medical products</p> <p>With strict hygiene and process Control</p>	 <p>얼굴에 맞는 일체적 디자인</p> <p>기존 저사 마스크 vs Blue 방역 마스크</p> <p>Stereoscopic Structure not stick to the face</p>

※ MFDS: the Ministry of Food and Drug Safety (KFDA)

1-1-1. BLUE Health Mask KF80

KF80 blocks more than 80% of average 0.6 μ m particles

In general, the KF80 mask is used to filter out yellow dust and fine dust, and it is suitable for wearing during outdoor activities such as light exercise and walking



KF80
마스크 차단기능

- 누설율 [25%이하]** - 얼굴과 마스크 밀착력
누설율: 마스크와 얼굴이 닿는 틈새로 공기가 새는 비율
- 안면부 흡기저항 [6.2mm H20이하]** - 효율적인 필터의 호흡저항 성능
안면부 흡기저항: 사람이 공기를 들이쉴 때 마스크 내부가 받는 저항
- 분진포집효율 [80%이상]** - 먼지 걸러주는 성능
연화나트륨 시험 - 분진포집효율시험
분진포집효율: 사람이 공기를 들이쉴 때 마스크가 먼지를 걸러주는 비율

25%이하 [누설율]
6.2mm H20 이하 [안면부 흡기저항]
80% 이상 [분진포집효율]



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1-1-2. BLUE Quarantine Mask KF94

KF94 blocks more than 94% of average 0.4 μ m particles

The KF94 mask is a quarantine mask that protects the respiratory system from harmful substances such as yellow dust, fine dust and infectious agents, and has a higher blocking effect than KF80

KF94 마스크 차단기능

- 누설율 [11%이하] - 얼굴과 마스크 밀착력**
누설율 : 마스크와 얼굴이 닿는 틈새로 공기가 새는 비율
- 안면부 흡기저항 [7.2mm H20이하] - 효율적인 필터의 호흡저항 성능**
안면부 흡기저항 : 사람이 공기를 들이쉬는 때 마스크 내부가 받는 저항
- 분진포집효율 [94%이상] - 먼지 걸러주는 성능**
염화나트륨, 파라핀오일 시험
*분진포집효율 : 사람이 공기를 들이쉬는 때 마스크가 먼지를 걸러주는 비율

25%이하 [누설율]
6.2mm H20 이하 [안면부 흡기저항]
94% 이상 [분진포집효율]

bon KF94
휴릭 방역마스크
KF94 2층 3매입
인체공학적 디자인
4중구조 PM0.4 미세먼지 필터
분진포집효율 우수
KF94

예쁜언니가 좋아하는 마스크
KF94 Korea Filter
대형 1매입 남녀공용
주요외국품 식약처 허가

멋쟁이 어흥
bon 본심 방역마스크
KF94 Korea Filter
4중 필터
인체공학적 구조
필터의 우수
필터의 우수
통사 및 미세먼지 걸러
김새끼 방지

외국인이 작고 오목해 보이는
메이크업이 밀려나오는
외국에 자국이 남지 않는

PM0.4
KF94 Korea Filter
FDA 50755
1EA (Over-size)
Small
블루 방역마스크 BLUE MASK KF94-2D

PM0.4
KF94
KF94
블루방역마스크 KF94
골픽마스크
황사·방역 초미세먼지 (소형)

주요외국품 식약처 허가
KF94/대형
골픽마스크
BLACK EDITION
황사·방역 초미세먼지

PM0.4
KF94 Korea Filter
DONATED BY MEXEN CORPORATION
1EA (Over-size)
Large
블루 방역마스크 BLUE MASK KF94-2D

주요외국품 식약처 허가
KF94
블루방역마스크 KF94
골픽마스크
황사·방역 초미세먼지

주요외국품 식약처 허가
KF94/대형
골픽마스크
BLACK EDITION
황사·방역 초미세먼지

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1-1-3. Box Packaging

Box packaging units shipped from our company are as follows:

	1CTN	50 Bags (50ea)	150 * 215 * 155mm	100g (Only box)
	1Master Case	16CTN (800ea)	630 * 330 * 450mm	8kg (Products Included)
	1PLT	16Master Case (12800ea)	1100 * 1100 * 1920cm	135kg (Products Included)
	1CTN	40 Bags (40ea)	265 * 225 * 115mm	140g (Only box)
	1Master Case	12CTN (480ea)	550 * 460 * 380mm	7.6kg (Products Included)
	1PLT	20Master Case (9600ea)	1100 * 1100 * 2020cm	158kg (Products Included)
	1CTN	50 Bags (50ea)	265 * 225 * 115mm	140g (Only box)
	1Master Case	12CTN (600ea)	550 * 460 * 380mm	8kg (Products Included)
	1PLT	20Master Case (12000ea)	1100 * 1100 * 2020cm	167kg (Products Included)

1-2. Industrial Safety Supplies

(HYUNDAI and DAEWOO's Primary Partner)

Welding Suit



Welding Gloves



Painting Suit and Hood



Dustproof and Gas Mask



1-3. New Business Products

Disaster Safety Helmets for Children

Excellent portability and storage due to lightweight material and triple folding structure
Excellent shock resistance due to dual material composition of rigid cap and airbags
Built-in RFID chips and emergency whistleblowers that can be used for location tracking and rescue requests in the event of a disaster



New material fusion adsorption tower

Improved decomposition and adsorption capacity of VOCs by using activated carbon containing a light-free catalyst as a filling material



❖ 2. Introduction of Production Process

2-1. Mask

- Securing a automated production system capable of producing 25 million KF94 and KF80 masks per month (Can be increased according to the operation method)



Receiving Inspection
for Raw Materials



Automated Mask and
Packaging Machine



3D Line



2D Line



Process Inspection
and Packing



Sealing and Marking



Box Packing



Forwarding Inspection
For Products

2-2. Industrial Safety Supplies

- Securing a customized production system based on 12-year manufacturing technology for industrial safety products (directly supplies domestic Big3 shipbuilders)



1st Product Line



2nd Product Line



3rd Product Line



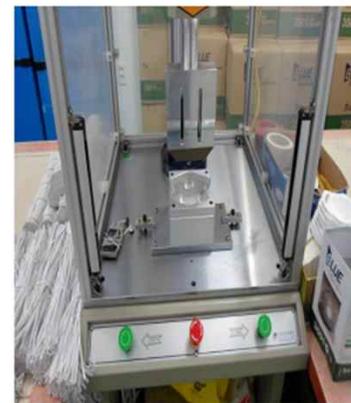
4th Product Line



5th Product Line



6th Product Line



7th Product Line



8th Product Line

❖ 3. Coporate Affiliated Research Institute

- Conducting various experiments, research activities and national projects to develop new business field, new products and improve product performance

The floor plan shows a total area of 112.88m², divided into a 61.88m² laboratory and a 51.00m² research office. The laboratory section includes a fume hood, 3D printer, and various storage units. The research office section includes a lab table, 3D printer, and pilot absorption tower. The photographs on the right provide visual details of these facilities: a clean lab bench, a fume hood, a research office with lab tables, a 3D printer, and an outdoor pilot absorption tower.

❖ 4. Quality Management System

- Established a sequential inspection and a quality management system for customer satisfaction and for perfect product assurance



I Receiving Test (Raw materials)

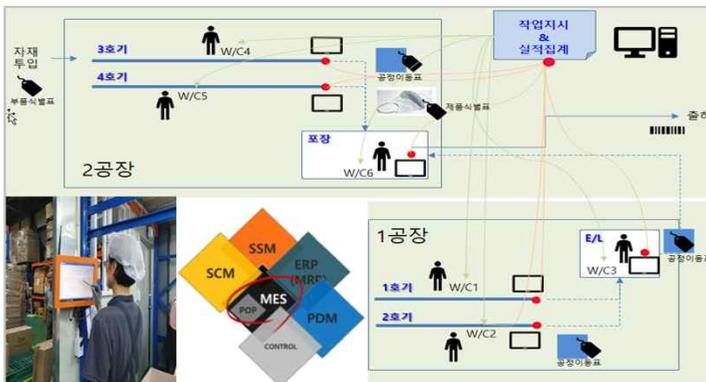


II Process Inspection (Total inspection)



III Forwarding Test

- Shape, Dimension, Purity, etc.
- Dust collection efficiency
- Face intake resistance



Operation of Manufacturing Execution System (MES) to Realize Smart Factory

- Raw & Subsidiary materials management
- Product tracking management
- Realtime on-site quality management
- Inventory management

Quality control to meet the requirements of ISO9001 quality management system

- Operation of Internal audit system
- Quality training and evaluation
- Monitoring customer needs

❖ 1. Main Customers



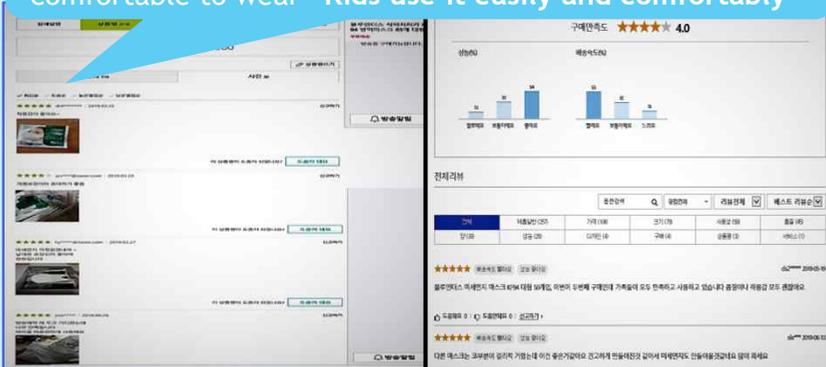
2. Mask Sales Network



❖ 3. Purchase Evaluation and Promotion

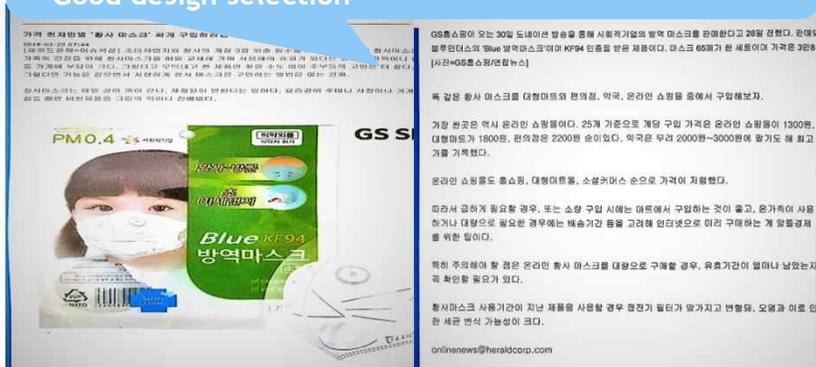
Customer Reviews

“ The whole family is satisfied and used ” “ Good ~ ”
 “ I made it rugged. I don't think any dust ” “ It's very comfortable to wear ~ Kids use it easily and comfortably ”

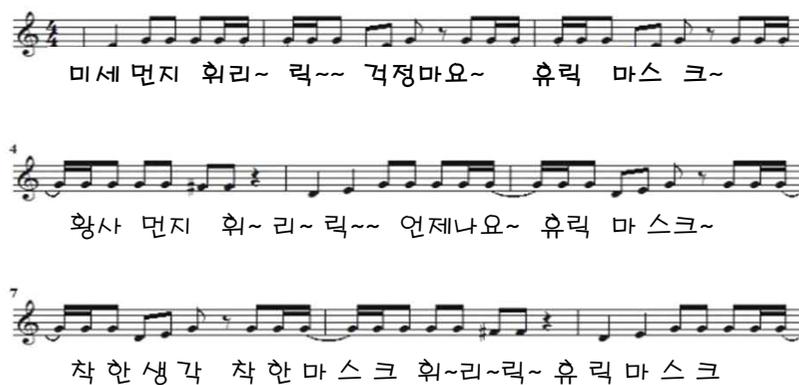


Herald Economic Articles

“High performance blue mask” “ KF80, KF94 licensed by the KFDA Mask” “Easy to wear mask”
 “Good design selection”



PR CM Song



Home Shopping Screen

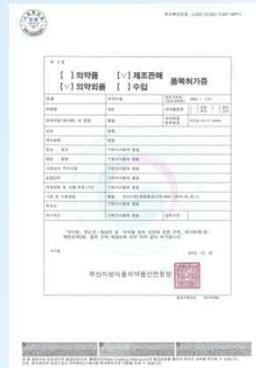


「 Do it right from the beginning 」

❖ 1. Certificates in possession



Declaration of Manufacture of out-of-medical products



Certificate of approval for manufacture and sale of out-of-medical products



Certificate of Free Sales Hong Kong, USA, Japan, Canada, UK, Spain



2020 FDA Certificate BLUE Mask KF94, KF80



Test · Inspection Report BLUE Mask KF94, KF80



Certificate of Accreditation for Corporate Affiliated Research Institute



Certificate for Best Company to Create Employment



ISO9001:2015 Certificate of Registration of Quality Management System



OSHAS18001:2007 Certificate of Registration of Safety and Health Management System



ISO14001:2015 Certificate of Registration of Environmental Management System

「 Do it right from the beginning 」

❖ 2. Intellectual Property Rights(IP) in possession

Registration : 7 Patents , 1 Practical New Application, 8 Designs, 6 Trademarks
 Application : 2 Patents, 3 Design
 (27 in Total)



Patent
10-1590534



Patent
10-1590537



Patent
10-1904434



Patent
10-1853328



Patent
10-1882436



Patent
10-1951409



Practical New Application
20-0486154



Design
30-0887729



Design
30-0887730



Design
30-0869882

「 Do it right from the beginning 」

❖ 2. Intellectual Property Rights(IP) in possession



Design
30-0916175



Design
30-0934381



Design
30-1032364



Design
30-1036548



Trademark
40-0936075



Trademark
40-0923143



Trademark
40-0997387



Trademark
40-1440652



Trademark
40-1541503



Trademark
40-1531959

「 Do it right from the beginning 」

❖ 3. The Blue Industry in the Media

Since the foundation of the company, we have been fulfilling our corporate social responsibilities, including mask donation and volunteer work, etc..



❖ 4. Donation and Volunteer Activities

A lovely leap through the social contribution



「 Do it right from the beginning 」

❖ 5. Our Vision 1

A lovely leap through the social contribution

Heart to Heart

the Disabled

Marginalized Class

Vulnerable Class

Donation culture is established



「 Do it right from the beginning 」

❖ 6. Our Vision 2

Smiles to **Employees**,
Touching Moments to **Customers**

The Best Mask

With gratitude
and sincerity

**Disaster
Safety Helmet** **New material
Activated Carbon**

Ergonomically
Designed

To prevent
Air pollution

Environment

Safety

Health

Create innovative products in Smart Factory

We will put our gratitude and sincerity into the product with the heart of a potter who makes pottery.



Thank you for your review.