

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



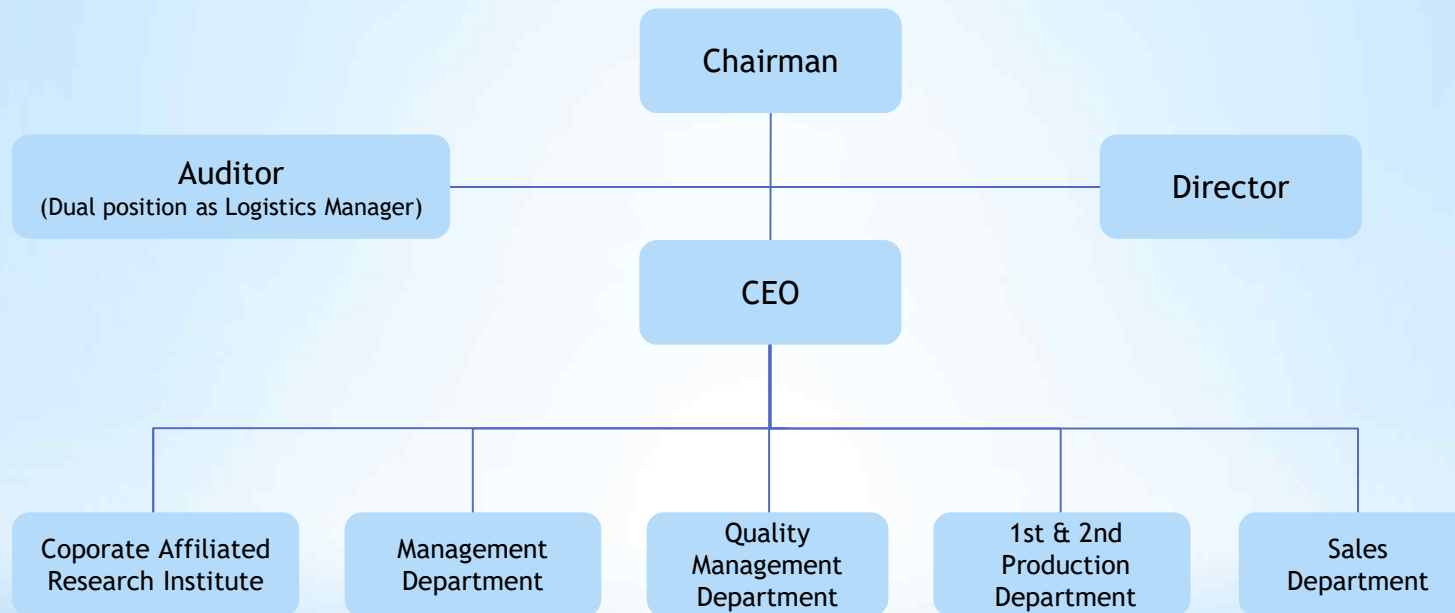
2nd factory

「 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

01

### Manufacturing and Sales of Masks

Manufacturing sanitation/epidemic preventive masks(MFDS  
Approved)  
General sanitation mask(B2C)  
Public procurement / corporate sales promotion · free gifts



02

### Manufacturing and Sales of Industrial Safety Supplies

Welding Clothes and Welding Gloves  
Respiration Protectors such as Dustproof Mask  
Paint/Work Wear and other Subsidiaries  
Development of Light Safety Helmet for Disaster



03

### Atmosphere Environment Specialty Contractor Business

Development of Painting VOC reduction Device(Patent)  
Custom-made order to install in the paint shop of shipbuilding  
companies



## ❖ 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"> <li>• 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.</li> <li>• 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.</li> <li>• Expanded its scope to health mask business under the approval of the Ministry of Food and Drug Safety in March 2018</li> </ul>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• At the Mumbai Biennale in India, we have experience in product display and promotion.</li> <li>• It is entering India, China, Asia, America and Europe with overseas sales plans.</li> </ul>	<ul style="list-style-type: none"> <li>• It succeeded in developing and mass-producing disaster safety helmets for children and delivered 3,000 sets in December 2019.</li> <li>• 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.</li> <li>• We are developing a new materials for health mask filter.</li> </ul>



## 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

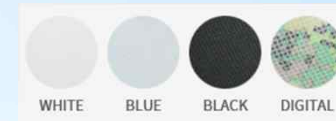


# ❖ 1. Product Introduction

## 1-1. Mask

MFDS Licensed BLUE Health Mask KF80

MFDS Licensed BLUE Quarantine Mask KF94



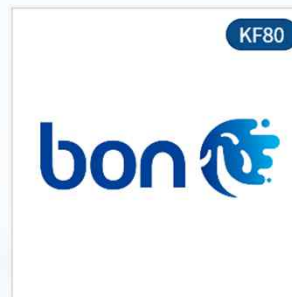
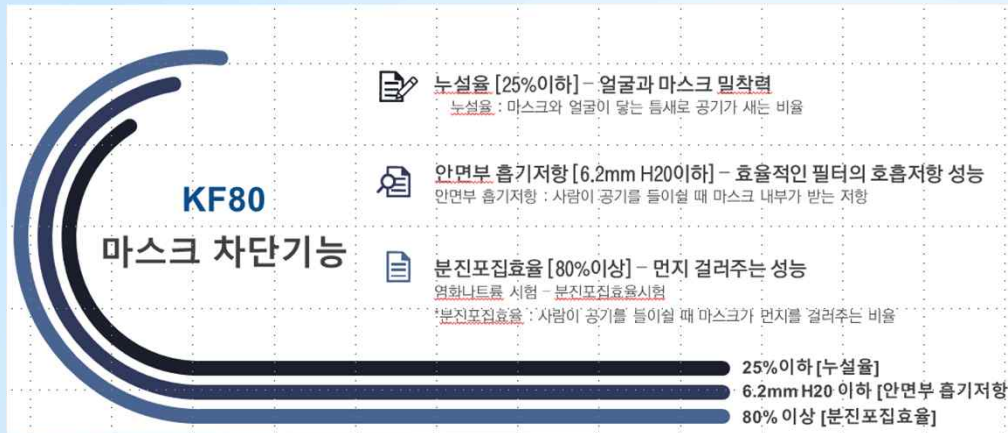
<p>Ultralight high efficiency</p> <p>Using the highest-performance 4-step filter</p>	<p>Anti-frosting excellence without flowing down</p> <p>Using functional nose support</p>	 <p>GOOD DESIGN</p> <p>Product selected for excellent industrial design</p>
<p>Easy to wear and high face adhesion</p> <p>With 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>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 $\mu$ 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



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## 1-1-2. BLUE Quarantine Mask KF94

### KF94 blocks more than 94% of average 0.4 $\mu$ 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



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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





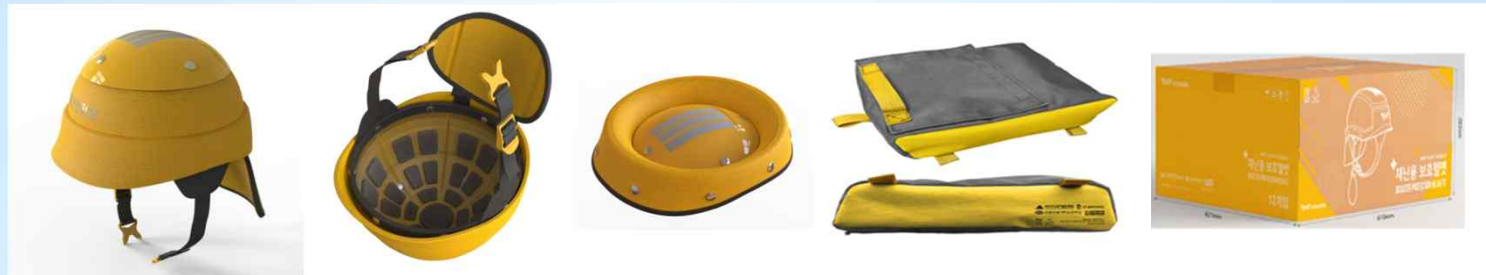
## 1-3. New Business Products

### 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



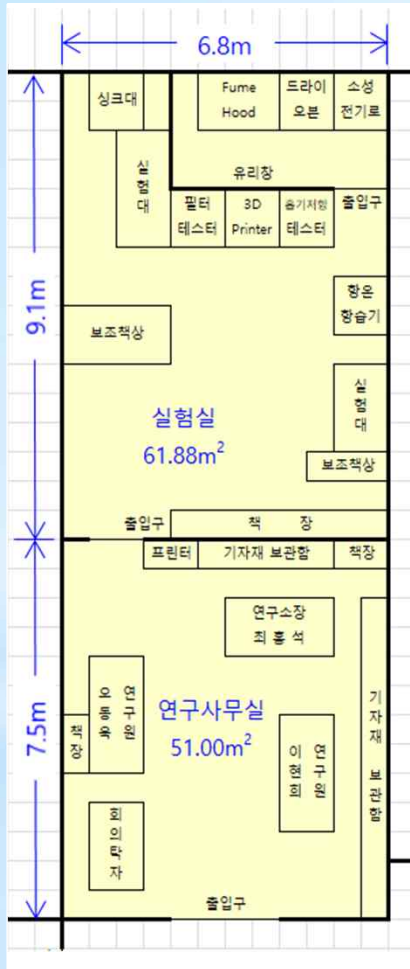
7th Product Line



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



Food Hood



Lab Table



3D Printer



Pilot Absorption Tower



## ❖ 4. Quality Management System

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



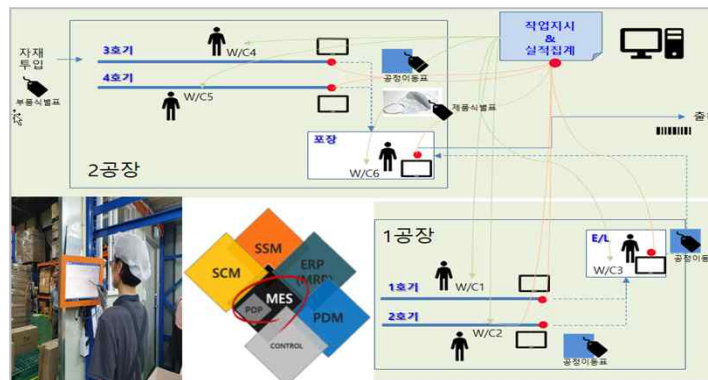
**I Receiving Test**  
(Raw materials)



**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**

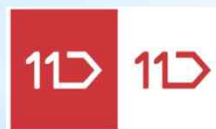
- Raw & Subsidiary materials management
- Product tracking management
- Realtime on-site quality management
- Inventory management

('19.3Q 검사원) 교육훈련보고서			
교육명	제품품질 관리	교육일자	2019.07.26
교육장소	품질관리	교육시간	09:30 ~ 12:00
교육대상	3명	교육장소	내부
교육내용			
1. 품질관리			
2. 품질관리			
3. 품질관리			
4. 품질관리			
5. 품질관리			
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17. 품질관리			
18. 품질관리			
19. 품질관리			
20. 품질관리			

**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



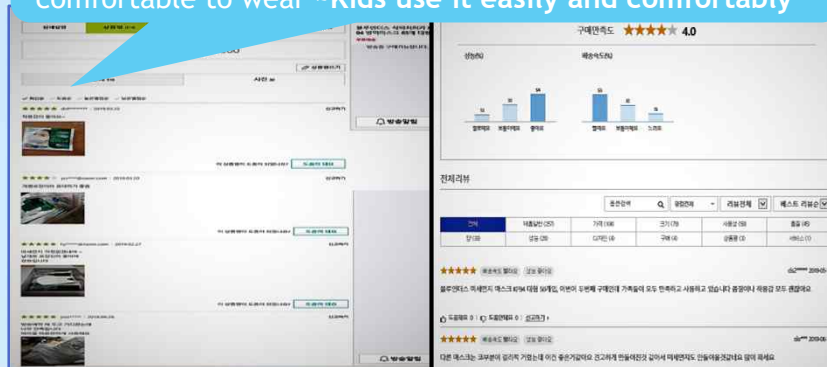


## ❖ 2. Mask Sales Network

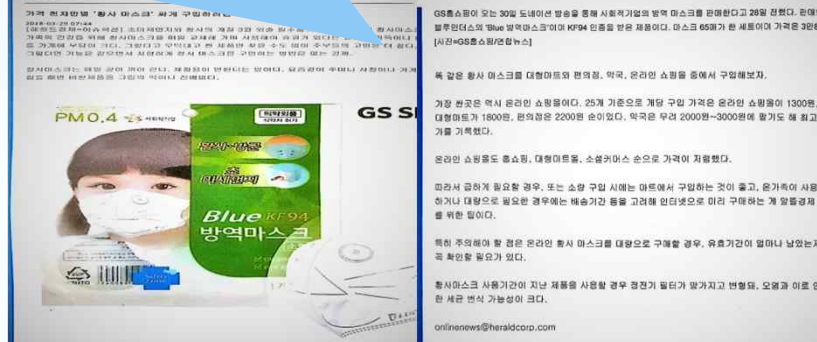


### ❖ 3. Purchase Evaluation and Promotion

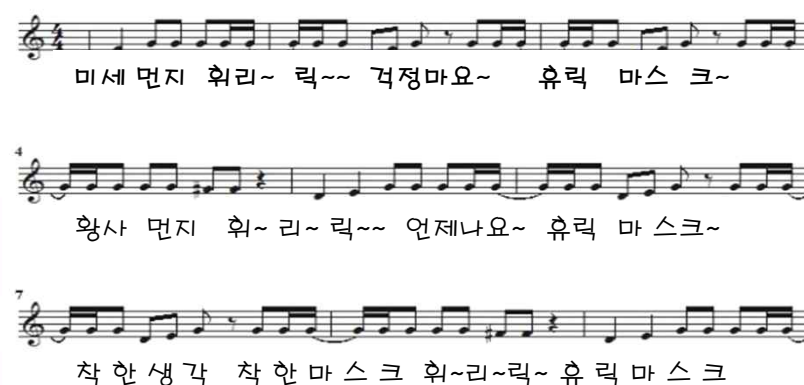
## Customer Reviews



## Herald Economic Articles



## PR CM Song

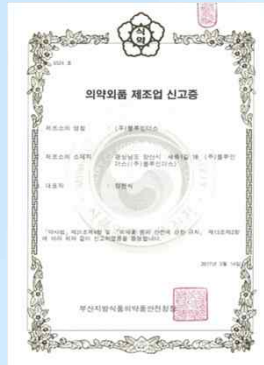


## Home Shopping Screen



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# ❖ 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

## ❖ 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



## ❖ 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

## ❖ 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



## ❖ 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**

Ergonomically  
Designed

**New material  
Activated Carbon**

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.**