

PT. WIHARTA KARYA AGUNG.

WHERE PROBLEMS END, SOLUTIONS BEGIN.

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## **OUR JOURNEY**

#### Our Fifty Year Legacy is Woven Into Every Stitch.

PT. Wiharta Karya Agung was established in 1973 in Gresik, East Java, Indonesia. 50 years ago, we were one of the 1st few woven plastic packaging manufacturers in Indonesia. Our first production line was woven plastic packaging (WPP).

At the time, Indonesian market for fertilizers and cement was very high, hence our production focussed only on WPP. With the change in time and industry demands, we see how the woven plastic packaging industry becomes more diverse. And Wiharta kept up to date with the trends and we launched a few different lines such as the FIBC, Bale Cover, Multifilament Yarn, among others.

As we grew, we became one of the first few vertically integrated woven plastic packaging company in Indonesia with international Currently, Wiharta has ISO 9001 Quality quality standard. Management Certification and Halal Certification. We also work together with Independent Laboratory in Germany to certify our UN standard bags, Type C, D bags. We are also in progress for attaining our food safety standards. We aim to continuously provide quality and reliable packaging to our customers.

Wiharta takes great pride in our flexibility and commitment to fulfil our customers specific needs. Our labour-intensive nature allows us to provide customized (personalized) solutions to meet the unique needs of each of our valued client (customer). Our family now has grown into an over 1000 dedicated and hardworking members. As a part of our continuous human resource development, our company provides continuous training to our skilled workers to ensure our products quality and standards. Because we believe that only by continuously improving and no compromise on quality, then we will be able to make another 50 years of our story.







# How We Create Values

#### **Our Purpose**

We are committed to finding packaging solutions for our customers.

#### **Our Resources**

Our people

Our business framework

Our global network

Our environment

#### Value we created

# Strong internal teamwork that drives innovation

Our team is a diverse group of skilled professionals. We invest in the growth and development of our employees by providing continuous training. We build a workforce that is agile and innovative.

#### **Customer satisfaction**

Actively involving customers in the design and development process, allowing for flexibility in meeting their specific needs and preferences. Currently, our company is well known for our quality and reliable partner within the industry.

#### Adapting to market changes

Efficient, resilient, and responsive to market demands by forging strong partnerships through open communication and valuing ideas and feedback with government regulators, industry groups, stakeholders and our customers.

#### Commitment to sustainability

We try to reduce our carbon foot print by working together with companies who can help our customers to reuse and recycle the bags that we produce. We also have a plant to recycle our waste.

## **Our Strategy**



# We provide specialized packaging to a wide range of industries, from natural resources to food and beverage and construction.



#### Agriculture

Our packaging has been supplying to companies across Indonesia and Japan for transporting and storing products such as rice, cocoa, grains, fertilizers, and animal feeds. Our customers can request for a specific packaging such as UV protection or water resistant because we need to provide solutions for withstanding different agriculture environment.



#### **Construction and Mining**

Indonesia is a country that is rich of natural resources. We have been supplying to nickel, bauxite companies in Indonesia. Understanding the complexity of the content and the mining grounds, we were able to provide packaging solutions to our customers that are able to withstand heavy loads efficiently and securely.



#### **Textiles Industries**

Fibres and yarns has to be handled with care because it needs extra attention to keep it clean and dry despite the bulk size. We provided packaging options for our customers by understanding nature of the content and usage of the packaging either for transportation or storage.



#### **WE SERVED**





#### **Chemicals Industries**

Our biggest clients are actually from the chemical industry, hence we know very well how it needs a specific criteria of packaging for different types of chemical. Such as, some chemical products that are highly conductive need silver threads to ground the electricity. Or some products that need to be dry and humidity protection needs other types of packaging solutions. We also test our packaging at the Independent Laboratory Testing Institute to ensure our customers that our products are safe and comply with international safety standards.



#### **Food and Beverages**

Another packaging that requires a lot of attention is food and beverage as it needs to be hygienic. We have served this industry in a variety of product range such as rice, grains, flour, food seasonings, milk powder and many more. Our packagingm adheres to strict food safety regulations so that you can be secure that your products will be safe for your consumers.

# OUR PRODUCTS

# Flexible Intermediate Bulk Bags (FIBC)

These container bags are used for transporting and storing a wide variety of products are also knows as jumbo bags. Our jumbo bags are mainly used for industrial products and generally the capacity ranges from 250 Kgs to 2 Tonnes. Our FIBCs are highly customizable based on the products to be filled inside, filling method, and the environment it will be handled in to ensure the safety of your products. FIBCs can be used in a very wide range of industries, such as agriculture, food, mining and chemical, however, to differentiate it further, we need to understand and delve further into the different types of FIBCs and the different construction types.



#### **Bale Cover**

Our bale cover is a packaging solution that is durable and designed to protect the contents during storage and transport. Depending on the product needs, our bale covers usually range from 800 to 1200 danier with capacity of 250 to 400 kg. Our bale covers are manufactured using industrial woven polypropylene fabric and can be customized based on product contents, environment of the storage and transport, and the capacity. The common uses of bale covers include protecting cotton, polyesters, and other fibre materials.

#### **Product Features:**

- Customizable
- Lamination option.
- Recyclable.



# IHARTA WIHARTA BAGS

# Woven Polypropylene Bags (WPP)

Our sacks range from 10 to 100 kg and are woven using advanced techniques, hence we offer high quality, durable, and stronger packaging to provide safety of your products. The common range of deniers that are requested by our customers are 600 to 950 based on the product needs.

#### **Product Features:**

- Customizable.
- Lamination option.
- Inner liner opption.
- Food safe option

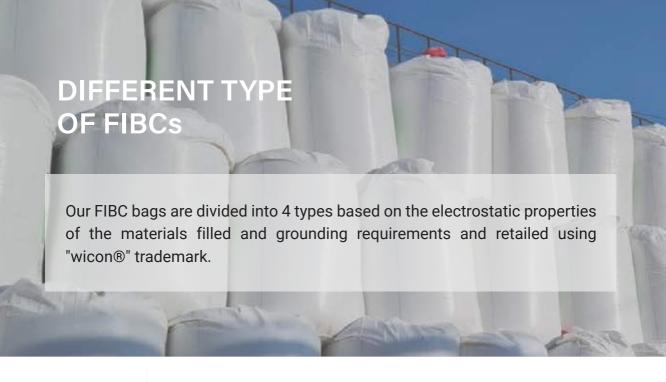
## Multifilament Polypropylene Yarn (PPMF) / Polyesther

Our industrial grade PPMF is medium to high tenacity yarn that ranges from 600 to 5100 danier with cabling process. Some of the uses for our PPMF include construction nets, fibres in pipes, and sewing threads.

#### Product Features:

- Customizable
- ✓ UV protection option.







# Type A FIBC / Bulk Bag (no electrostatic protection).

Type A jumbo bags are produced from a non-conductive fabric without any protective features against static electricity accumulation. Common uses of types A include transport and store non-flammable and non-explosive products.

Some industries that use this type include: agriculture, food, pharmaceuticals, construction, chemical, mining, and textiles. It is crucial to make sure that no flammable solvent or gases surround the bag.



# **Type B FIBC / Bulk Bag** (Surface breakdown voltage of <6kV).

Type B jumbo bags are produced from non-conductive fabric with a low breakdown voltage material. This provides safety in preventing less than 6kV propagating brush discharges. These bags can be used to transport and store dry, non-flammable products provided no flammable gases and vapours surround the bag and no conductive materials such as water and oil on the bag surface.

Some industries that use this bag include: chemical, pharmaceuticals, paints, agriculture, mining, and food.



# **Type C FIBC / Bulk Bag** (Grounded & electrically conductive).

Type C bags are also known as Conductive FIBCs and are **produced** from fabrics with conductive fibres or tapes. Conductive FIBCs can be used to transport and store flammable powder products and are safe to use even when flammable gases and vapours are present in the environment, as long as the bag is grounded during filling and unloading the products. The voltage rating of the conductive fibres on the bag must be in contact with less than  $10^{7-6}$  ohms of resistance to the ground.

Some industries that use this bag include: chemical, pharmaceuticals, food, agriculture, plastic, timbre, and mining. It is crucial to ensure that the ground connection available and not damaged prior to filling or unloading process to prevent powerful spark discharges.

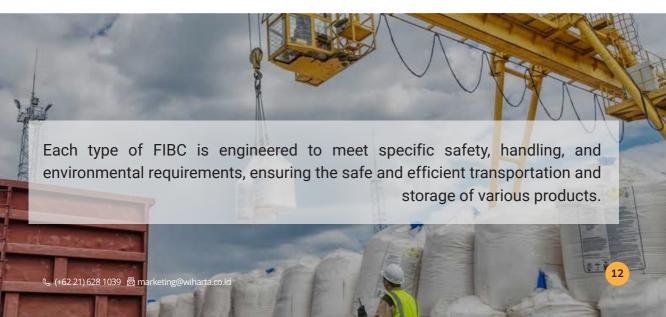


#### Type D FIBC / Bulk Bag (static

dissipative or antistatic).

Type D bags are also known as Dissipative FIBCs and are produced as an alternative to Type C bags with ease of usage as no grounding is needed during filling and unloading process. These bags are made from static dissipative fabric and incorporates CROHMIQ technology for releasing accumulated electric charge energy directly to the air safely by low energy discharge. The main uses of Type D bags are for transporting and storing flammable powder products even when flammable and explosive solvents and gases are present.

Some industries that use Type D bags include: chemical, pharmaceuticals, paints, resins, adhesives, petroleum, and timbre. This bag is widely used for more dangerous products as it eliminates the risk of human error for mishandling the grounding procedure during filling or unloading process.



#### **FIBC CONSTRUCTION TYPES**

Other than the electrostatic materials and grounding requirements, FIBCs are segregated based on construction types depending on how the woven polypropylene sheets are sewn together to form a bag. Generally, construction in FIBC bags is divided into the following types:

#### **4-PANEL**

Constructed with 6 fabric components: 4 side body, 1 base panel, and 1 top panel. Our 4 panel bags are ideal for stacking as they maintain their shapes better than U panel bags and circular bags. Because the bags can retain the shapes better, customers can save transportation and storage costs due to more efficient stacking method. These bags are suitable for storing a wide variety of products including chemicals, grains, resins, building materials, and powders.

#### **U-PANEL**

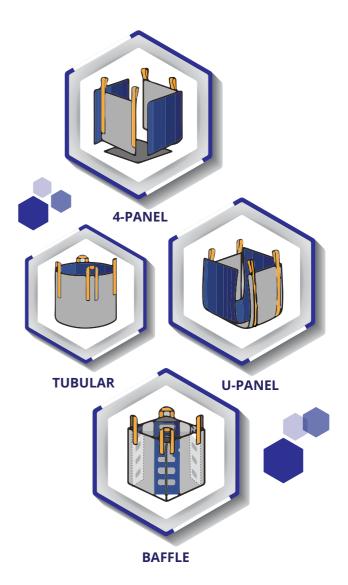
Constructed with 4 fabric components often referred to as U + 3 to reflect a single long fabric (that forms the 2 sides and a bottom) sewn together with other 2 sides of panels and another top panel. These bags are suitable for storing and transporting flakes, pellets, granules, and powders.

#### **TUBULAR**

Constructed with one single tubular piece fabric that is turned into a cylindrical shape with 2 panels sewn at the top and the bottom. Despite the name, circular bags are considered as square bags, though they do not maintain square shape as much as all the other bags due to its tubular fabric that is used as the body. This bag is commonly used to transport and store grains, food materials, cement, among others.

#### **BAFFLE**

Baffles are extra fabric panels that are sewn into each of the four corners of an FIBC bag in order to retain its square shape better. This baffle system can be incorporated into any of the other types of construction bags such as 4 panel, U panel, or circular to prevent bulging of the bags. Baffle bags are ideal for customers to save costs when transportation and storage capacity is limited and expensive. Baffle bulk bags are mostly used in transport and storing low density products.

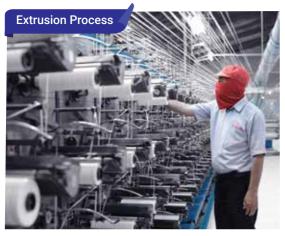


After selecting the construction types of FIBCs, the bags are further customized depending on methods of filling, unloading requirements, and equipment used in the process but this will be explained further during customer development process.



# MANUFACTURING PROCESS

Based in Gresik, East Java, our manufacturing facility features vertically integrated production systems that offer products and packaging solutions across a wide range of industries.













We believe in continuous improvements. Our company consistently evaluates our process and products and aims to refine and improve our products through research and innovations.







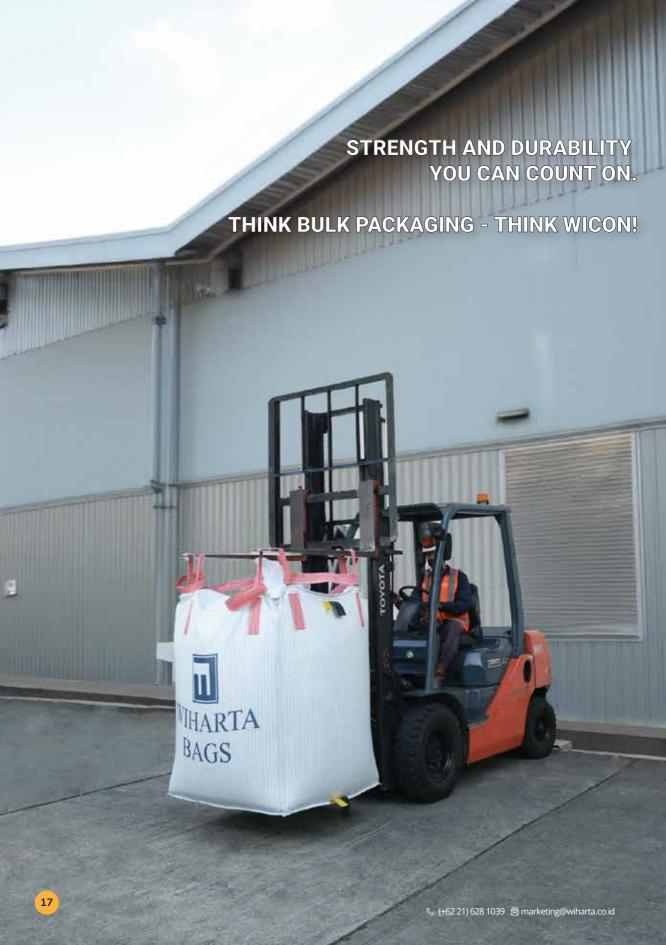
# Quality is in the details!

It's in the meticulous crafting of every component, the precision in every process, and the unwavering attention to even the smallest element.









#### Wicon - Your FIBC packaging solutions

We understand that every company has a few different standards of packaging that they have to comply. First is the industry specific requirements that is necessary to handle the nature of the goods inside the packaging. Next is the company specific requirements such as environment factor, machines used for handling the packaging, among others. In order for us to meet all the different packaging requirements requested by our customers, we have our internal in-house laboratory to check the quality of our tape, and to check the safe working load (SWL) along with the safety factor (SF) for each FIBC to ensure the quality of our packaging.

Furthermore, every FIBC bag has a code number specific for each bag to control the traceability system in our production. In the case that there are concerns regarding our bags, we use the code to analyze the root cause of any issues.

#### Depending on customers needs, we do the following tests in our Rig Machine to ensure our quality:







After

Drop Test

The filled bag is dropped from a specific height and the bag did not break or burst during the trial.



Righting Test

The filled bag is knocked onto its side and put upright again using configuration are rigorously tested only 2 lift loops. The bag and the loops should not show any sign of damage after the test.

1 Loop & 2 Loop

Bags featuring a 1- or 2-Loop FIBC configuration are rigorously tested to ensure that the design is capable of withstanding real-world stresses and usage conditions.



Topple Test

The filled bag is placed on a raised platform and forced to topple over from a specific height and the bag did not break or burst during the trial.



Tear Test

The filled bag is cut by a knife. The cut must be 100 mm long at a 45 degree angle. The tear cannot expand in size more than 25% when a load equal to 2x the SWL is applied for 5 minutes.

## Wiharta also offers UN certified solutions for transporting and storing hazardous or other materials that need more attention.

Customers can request Wiharta to certify our bags to meet the requirements set forth by the United Nations for transporting and storing of hazardous materials. Our UN bags are certified by Labordata to ensure that our bags are safe and complies to international standards.

When it comes to the secure handling of FIBC bulk bags, it is crucial to be knowledgeable about the accurate Safe Working Load suitable for your load capacity.





## CORPORATE SOCIAL RESPONSIBILITY



# CSR Program "COMPENSATION FOR THE GRESIK ORPHANAGE".

At Wiharta, we are committed to make a positive impact to both our employees and our communities. Our CSR programs that we hold annually include distributing free rice and food necessities to the less fortunate families in the surrounding community during Lebaran festival. Wiharta also engages in food donations for natural disaster such as flood within the community.

Beside taking part in the community, Wiharta recognizes the importance of supporting and improving the well-being of our employees and their families. Orphan children of our employees have our utmost attention. We provide financial support for the well being along for their education support.

We believe that giving back and supporting the community is crucial as a part of the society. Through our ongoing efforts, we hope that we can help spread compassion and positive change and an impact in the lives of those in need.





## **Environmental Stewardship through Local Collaboration**

Our commitment to sustainability extends to collaborative efforts aimed at community responsibility.

By actively engaging with regional partners, we aim to amplify our impact on sustainability—whether through promoting recycling programs, adopting energy-efficient technologies, or supporting local conservation projects. Through these strategic collaborations, we aspire to create a harmonious balance between business operations and environmental responsibility, ensuring a greener and more sustainable future for generations to come.

#### **Sustainability**

Wiharta realizes that the company's growth is intrinsically linked to the well-being and development of our employees and teams. Recognizing this, we have implemented numerous programs aimed at fostering a supportive and enriching work environment.

However, as we thrive on our collective human capital, we mt st also acknowledge our responsibility towards the planet. Our world is currently grappling withescalating challenges such as pollution and global warming. Understanding the urgency of these environmental issues, some of our environmental initiatives include:





Reducing carbon footprint by moving towards energy efficiency.



Adhere to industry standard in no dumping of hazardous materials to the environment.





We provide options for our customers by helping to repair and reuse some of our packaging.





Waste reduction and recycling is necessary to save our environment from unnecessary plastic waste pollutants.





Provide our employees with buses to reduce air pollution.





Providing a safe environment for our employees to work and provide regular training for all employees on safety matters and company policies.





Adhering to industry and government standard of labour practices.





Provides training for our team members who are looking towards advancement options.

# Giving our customers a peace of mind is the essence of partnership in Wiharta

The foundation for a successful partnership in Wiharta is having our customers trust us by providing them with a peace of mind. We uphold two values in providing the peace of mind guarantee to our customers. Firstly, we have open communications detailing before, during and after the shipments support. Then, we ensure that we deliver on our promises.

#### **Product Development**

To meet different customers' unique requirements and needs, our team will discuss the technical details and we will provide samples of our FIBCs upon requests. In evaluating the samples, our team may also assist in testing the quality and suitability of our packaging for your specific applications so that our customers can make confident decision on the packaging specifications.



#### **Quality Assurance**

Our motto is "No Compromise." Our commitment to delivering our promises to you include meticulous process of multiple checks at every critical points in the production process. From the sourcing of the materials to the processing of the materials into a packaging ready for use is subjected to rigorous checks to ensure the safety and reliability of our packaging as promised.

#### **Comprehensive Support**

Our dedicated teams will support our customers understanding your needs and concerns and by providing helpful explanations. From the product development process to delivery process and finally to after sales service, we will ensure open communications and provide you with a peace of mind by ensuring that you will receive the packaging as expected in the development stage.



#### **On-Time Delivery**

We understand the importance of timely deliveries in managing your stock. That's why we ensure your orders will always arrive on time!

### COVERAGE AREA

# Our sales team always put the customer first by providing you with reliable products and peace-of-mind.

With experience of over 5 decades in the industry, Wiharta has manufactured and exported millions of bags to the 5 continents, 14 countries around the world. Our team always try to understand you better and no distance is too far when it comes to knowing your needs.



#### **Export**

Australia Singapore
Belgium Taiwan
Brazil Thailand
Canada USA
China Vietnam
Japan Malaysia
Philippines Russia

#### Domestic

Jawa Sumatera Kalimantan



#### **COMPANY PROFILE**

#### **Head Office**

Jl. Pangeran Jayakarta No.46 AA DKI Jakarta 10730, Indonesia.



#### **Factory**

Jl. Notoprayitno, Kebomas, Gresik. Jawa Timur 61121, Indonesia.

