

FROM
GRANULATE TO
BIG BAG

5 CONTINENTS
55 COUNTRIES

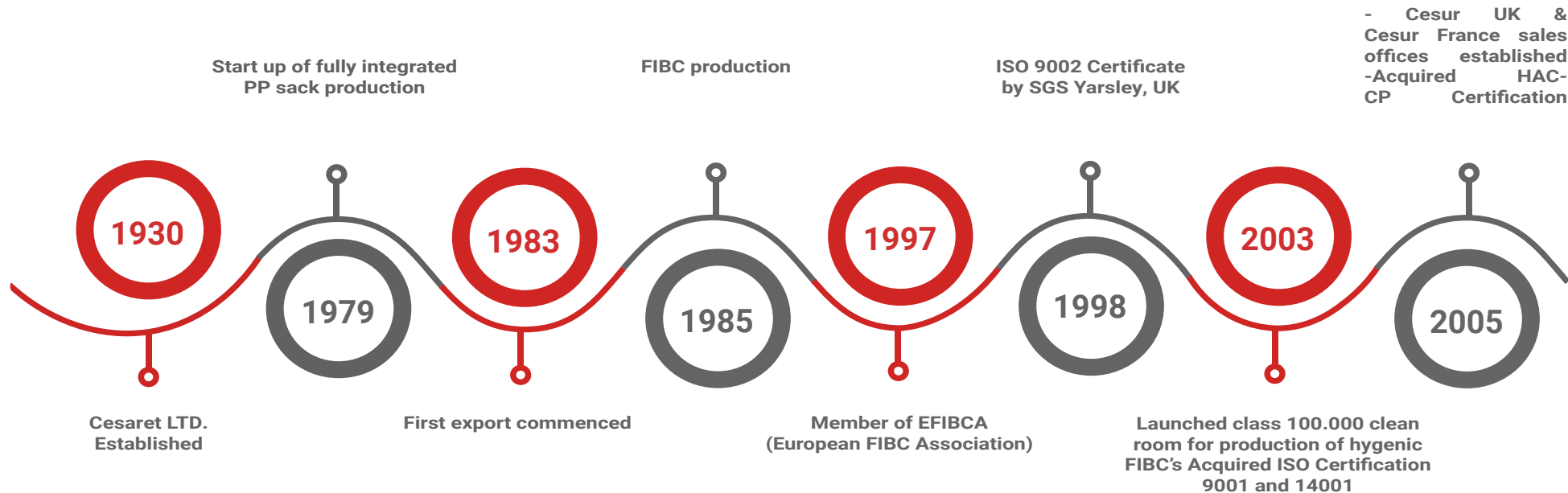
www.cesur.com

ABOUT CESUR

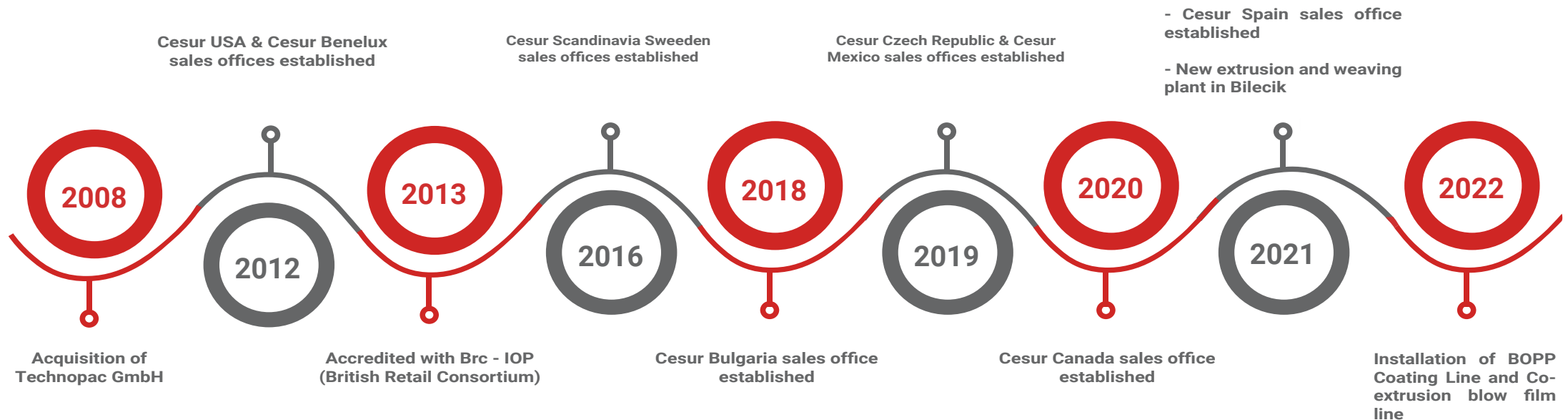


COMPANY HISTORY

We are Turkey`s longest established big bag company with 90 years of experience. We started with the production of jute bags in the 1930`s and in 1979 decided to begin fully integrated PP sack production. It was in the early 1980`s that we expanded our production line to include FIBCs; Flexible Intermediate Bulk Containers. We started exporting in 1983 and penetrated world markets due to the strength and determination of our vision, initiative, spirit and will to succeed. We have become not only one of the largest and most successful family-owned companies in Turkey, but also in 5 continents, by staying one step ahead of change throughout our journey of 90 years. Today 85% of our production goes abroad and we are Turkey`s leading industrial conglomerate and market leader in our respective sector and are proud to be listed among the top 1000 exporters of Turkey.



GROUP OVERVIEW



SALES NETWORK & SECTORS

TURKEY

MANUFACTURING

INDIA

THIRD PARTY MANUFACTURER

SALES OFFICES

DIRECT SALES

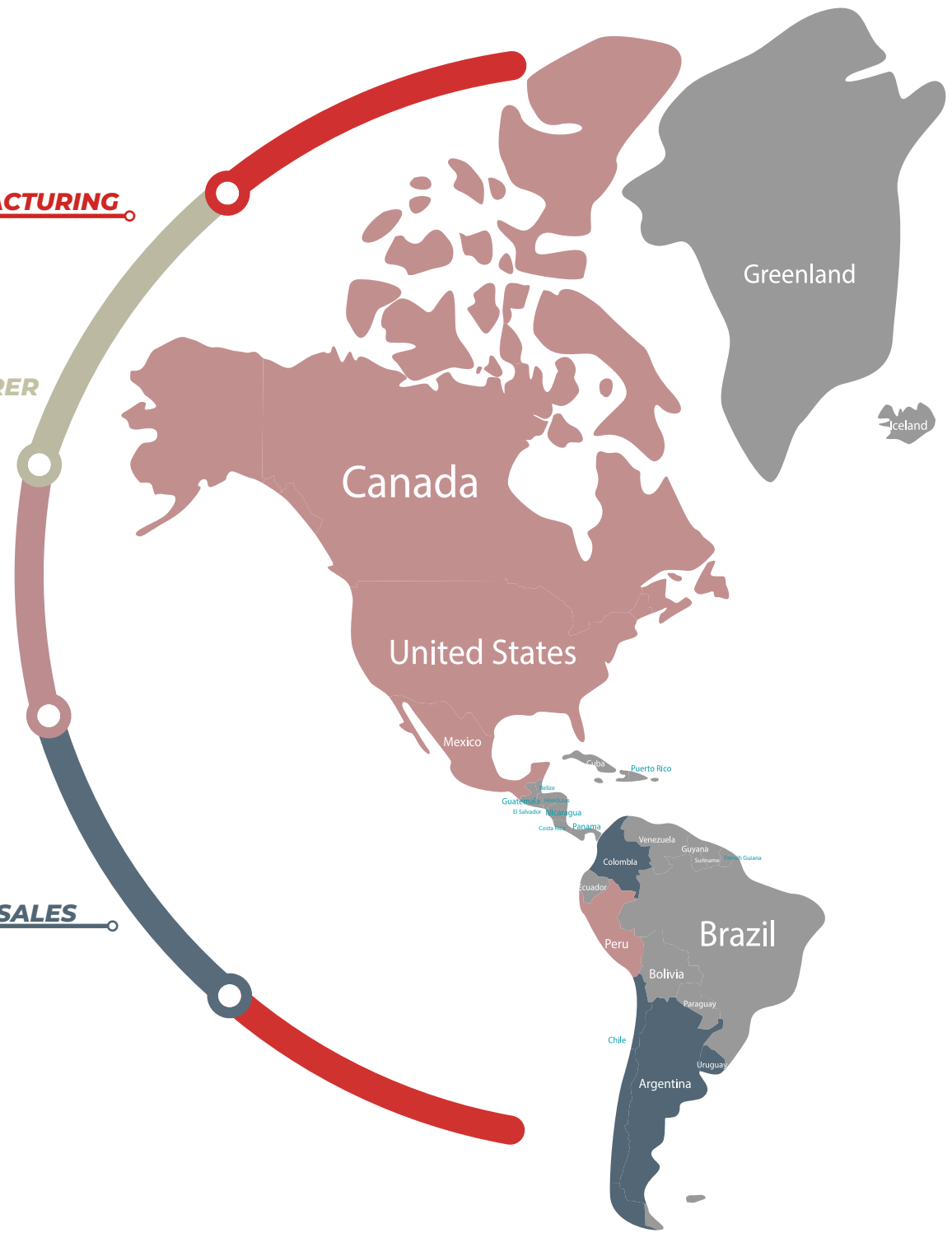
BENELUX
 BULGARIA
 CANADA
 FRANCE
 CZECH REP.
 GERMANY
 IBERIA

LATAM
 MEXICO
 POLAND
 PORTUGAL
 SCANDINAVIA
 UK
 USA

AUSTRIA
 AUSTRALIA
 ALGERIA
 ARGENTINA
 AZERBAIJAN
 BAHRAIN
 BOSNIA H.
 CHILE
 COLOMBIA
 CROATIA,
 DENMARK
 EGYPT
 ESTONIA
 FINLAND

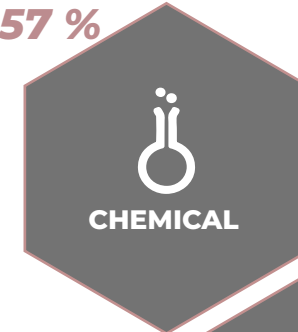
IRELAND
 ISRAEL
 GEORGIA
 GREECE
 HUNGARY
 ITALY
 JAPAN
 JORDAN
 KAZAKHISTAN
 LITHUANIA
 MAURITIUS
 MOROCCO
 NEW ZEALAND
 NORWAY

ROMANIA
 RUSSIA
 S.ARABIA
 SERBIA
 SLOVAKIA
 SLOVENIA
 SOUTH KOREA
 SWITZERLAND
 THAILAND
 TUNISIA
 UAE
 UKRAINE
 URUGUAY



KEY INDUSTRIES WE SERVE

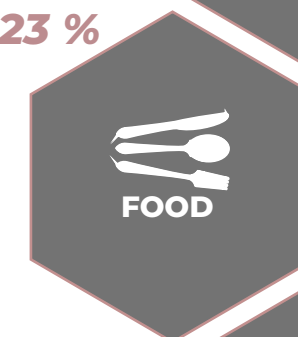
57 %



5 %



23 %



15 %



PRODUCTION METHODS

STANDARD PRODUCTION

The production area for the big bags which are used for the storage and transportation of various goods and chemicals in conformity with international security standards.

FOOD GRADE

General HACCP conditions are assured for manufacturing big bags used for storage or transport where special cleanliness standards are required. We have vacuum cleaning, metal detection and highly trained workers.

CLEAN & HYGIENE ROOM

Big bags used for the food and pharma industry are produced under stringent BRCGS requirements in the clean room. Air conditioning filters work constantly. All fabrics are ultrasonically cut. Bags are all vacuum cleaned and pass-through metal detectors.



PP EXTRUSION



WEAVING



**VERTICALLY
INTEGRATED
PRODUCTION
PROCESS**

PE EXTRUSION



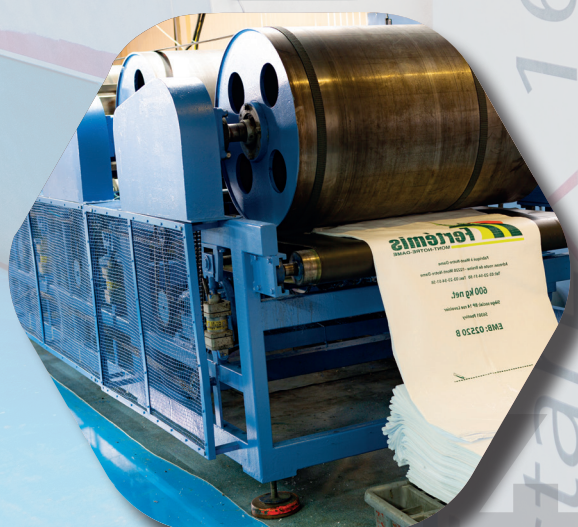
SEWING



CUTTING



PRINTING



4 LOOP BAGS

FOR MORE DETAILS

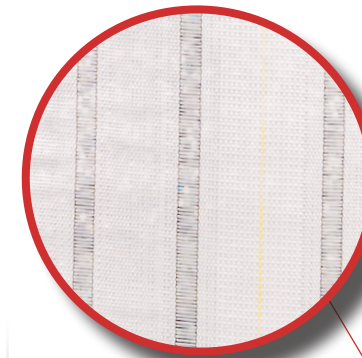


U PANEL

- Cost effective
- Ideal types of packaging for shipping and storing dry bulk products.
- Available tubular or flat polypropylene (PP) woven fabrics.
- Coated or uncoated and fabric weights vary depending on the Safe Working Load (SWL) and Safety Factor (SF) required.



CIRCULAR BAG



VENTILATED

- Products maintain freshness and shelf life in ventilated bags.
- Ventilation holes permit constant air circulation
- The filled product does not rot and degrade due to lack of air.
- Mostly used for: Hazelnuts and agricultural products such as potatoes, onions and carrots, timber, wood, and other similar forest products.



Q BAG

- Thanks to the stable and non-bulging structure, less space is lost on storage.
- Up to 30% extra volume during filling
- More product delivery in transport which results in proportional freight gain
- We propose different “baffle” options (standard, net, grid plastic baffle) which provide maximum profitability depending on the application.

Differences between net and standard panels:

Standard Baffle:

- Baffles made of PP fabric produced with different grammage and lamination options to ensure proper filling into the corners via holes of different sizes and shapes, positioned according to the structure of the filled product.

Net Baffle:

- Made of PP fibres which allow for quick and easy filling into the corners for products with less fluidity and higher friction.

GAMBO BAG

- Optimal pallet protection, volume maximization, cost advantage to both the purchaser and vendor.
- Double layer and triple layer options are available.
- Better waterproofing solution with triple layer and gambo liner options.

ANTI-STATIC BIG BAG TYPES

It is our priority to prevent any work accident which the accumulation and discharge of the static energy may cause. Our industry has classified big bag types into 4 different groups according to their static characteristics in respect to regulation IEC 61340- 4-4 Ed2. We produce all products included in these 4 groups with certificates given by industry recognised test houses.

BULK production FIBC	Surroundings			BIG BAG	TYPE A	TYPE B	TYPE C	TYPE D
MIE of Dust	Non-flammable atmosphere	Dust zones 21-22 (1000 mJ \geq MIE > 3mJ)	Gas zones 1-2 (Groups IIA/ IIB) or Dust zones 21-22 (MIE \leq 3mJ)	Characteristics	No electrostatic protection provided	In terms of structure Type B big bags are like Type A but the breakdown voltage should be lower than 6kV The big bag is used without grounding	The special conductive yarns on the body form a conductive net on the entire surface. Grounding is imperative during usage If properly grounded all energy is conducted to the ground	The static accumulation is discharged through corona discharging No grounding during usage The Crohmiq yarns which constitute the Type D big bags provide a problem-free corona discharge
MIE > 1000 mJ	A, B, C, D	B, C, D	C, D	Usage Areas	Can be used only in areas where there is no dust or explosion risk	According to Atex regulation, designed to prevent dust explosions when flammable powder products exist in the environment Can be used when ne gases or solvents exist in the environment	According to Atex regulation, used in the environments where flammable gasses with a MIE value higher than 0.14mJ exist	According to Atex regulation, used in the environments where flammable gases with a MIES value higher than 0.14m J exist
1000 mJ \geq MIE > 3 mJ	B, C, D	B, C, D	C, D					
MIE \leq 3 mJ	C, D	C, D	C, D					



TYPE C

- Some bulk materials create static energy during filling and discharging, which may lead to an electrostatic discharge.
- Type C Bag eliminate risk of fire or explosion during filling and discharging.
- Effective grounding is critical for safe application.
- Cesur is 100% checked by IEC 61340-4-4 Ed2 standards and labelled accordingly for its conductivity.



TYPE D

- Type D FIBCs are designed to dissipate energy into the atmosphere via corona discharge to prevent brush discharges, PBD (propagating brush discharge) and sparks.
- It does not require grounding whilst in operation, which minimises any risk of failures originating from handling.

Safe way usage:

- Used for flammable products in powder form.
- Should be used when there exists flammable and explosive solvents and gases in the environment.

Never use:

- If the surface of the bigbag is covered with any conductive material such as water or oil.

UN FIBCs



National or international transportation of hazardous goods is regulated with UN Recommendations on the Transport of Dangerous Goods which aim to prevent possible accidents and consequent problems as well as to minimize the environmental effects.

To ensure that the UN classified goods are safely transported and stored, we subject our UN Bags to related tests and provide our customers with certificates given by independent international test houses.

In respect to UN recommendations, we perform the following 6 tests in our inhouse test laboratory to verify the quality of the said bigbags:

- Top Lift Test
- Drop Test
- Topple Test
- Righting Test
- Stacking Test
- Tear Test

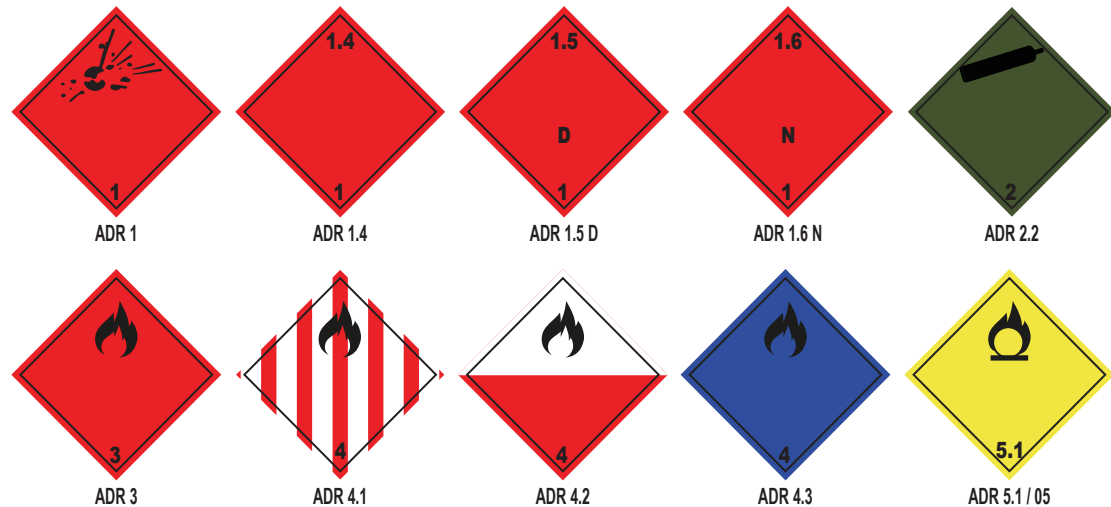
All approved bigbags have a valid UN certificate and the certificate info is marked visibly on each bigbag.

Un big bags are classified as ;

- 13H1 – uncoated woven plastics- no liner
- 13H2 – coated woven plastics- no liner
- 13H3 – uncoated woven plastics- with liner
- 13H4 – coated woven plastics- with liner

These 4 classes are grouped under 2 different categories:

Danger Level	Packaging Group	UN Symbol	Max. Volume
High	I	X	1.5 m ³
Medium	II	Y	3.0 m ³
Low	III	Z	3.0 m ³

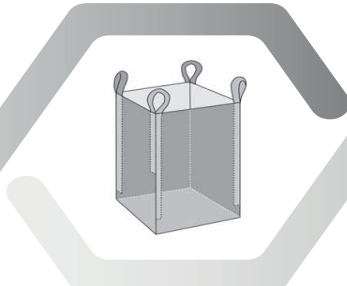




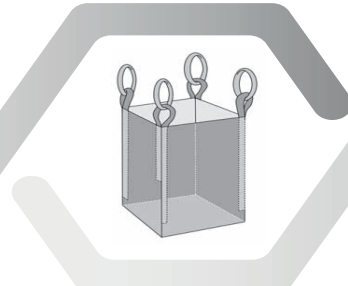
LIFTING



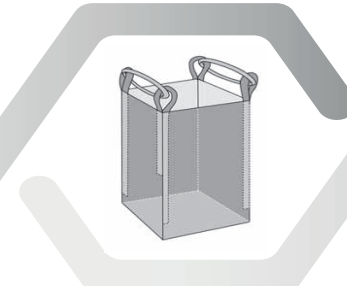
Cross Corner Loops



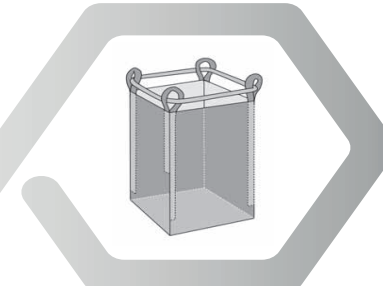
Side - Seem Loops



Ancillary Loops

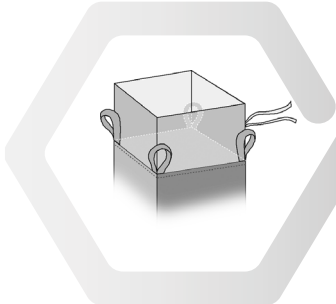


Double Stevedore Loops

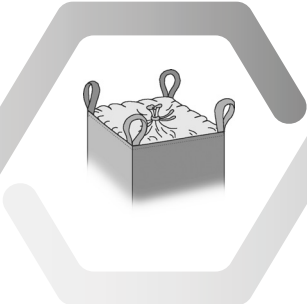


Single Stevedore Loops

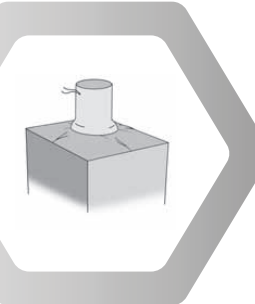
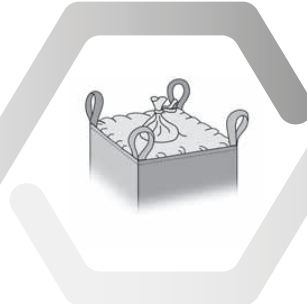
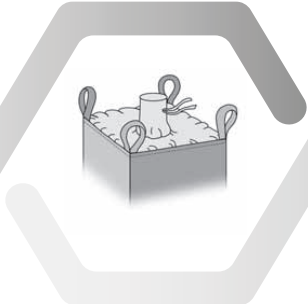
FILLING



Duffel Top

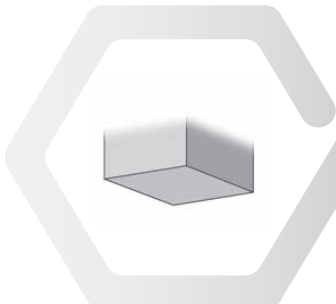


Filling Spout

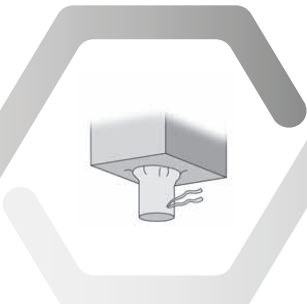


Pleated Top

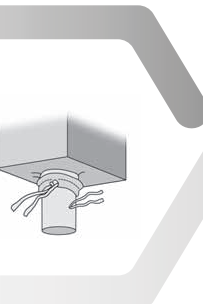
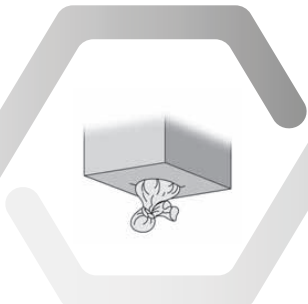
DISCHARGE



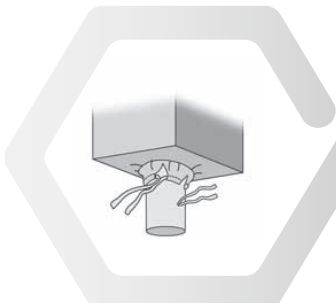
Plain Base



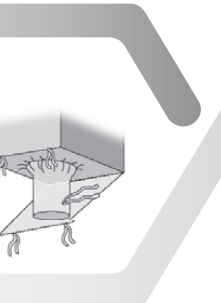
Discharge Spout



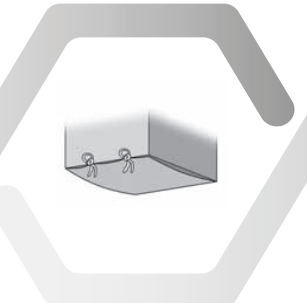
Discharge Spout with Iris Protection



Discharge Spout with Petal Closure



Discharge Spout with Protection Flap



Quick Discharge / Conical Base



INOVATIVE PRODUCTS



NEVER ENDING
INNOVATION

FIT BAG

Like a baffle bag without any baffles! Less material, less plastic and maximum benefit to our customers and the planet.

Features:

- Fitbag is designed to fit CP1 and CP3 type of pallets with no overhanging.
- Can be designed with antistatic properties to comply with Type A, B and C according to latest IEC regulation.
- Significantly reduces the risk of contamination by foreign bodies since there is neither internal connection element nor sewing inside FIBC.
- Comes with any kind of appropriate PE based inner liner as a moisture or gas barrier shield. Unique external design forms a perfect nest for any kind of liner and eliminates the necessity of expensive gambo liners.
- Fitbag offers approximately %12 – 14 more volume advantage compared to conventional U-Panel FIBCs providing they sit within the confines of the pallet.

MAP ON BULK BIO Conservation System of Products Under Modified Atmosphere Condition.

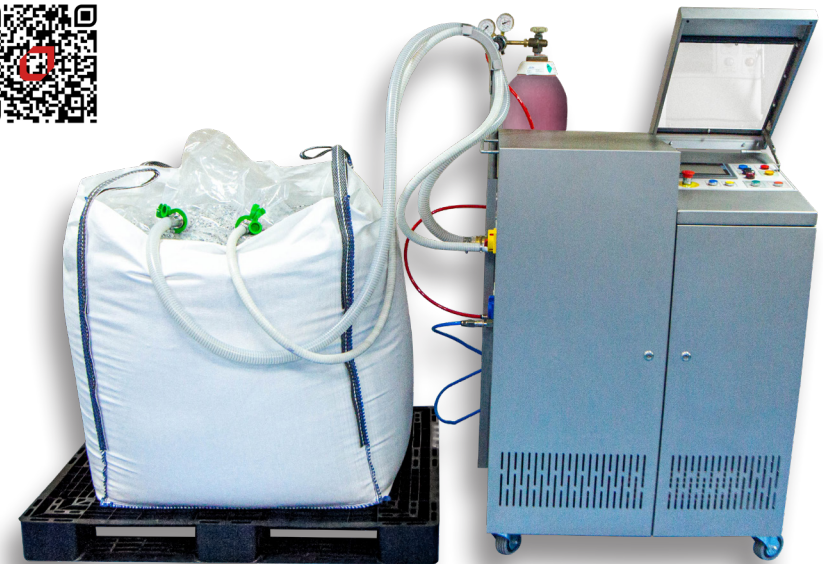
Unlike conventional vacuum process, MAP offers you to design your very own atmosphere for your product by adjusting oxygen level vs inert gas content in the packaging for maximum benefit.

- It is a proven technology that keeps the products fresh, preserves the aromas, colour, and helps to maintain natural structure and extends shelf life without using any chemicals.

- It is a continuous process, that exchanges residual oxygen inside packaging by an alternative inert gas or gas mix to protect and improve reactive properties of filled product.

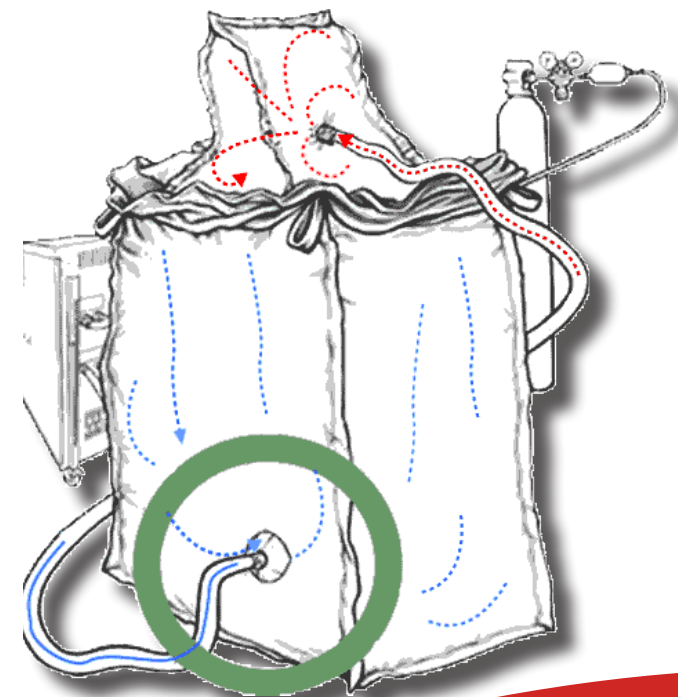
- It prevents any kind of microbial, enzymatic, and physical deterioration of the filled product, protects the product from insects, harmful bacteria and moulds and keep it as fresh as it was on the first day of packaging.

FOR MORE DETAILS



What are the benefits of MOB?

- **EXTENDED SHELF LIFE**
- **MINIMISATION OF WASTE**
- **HIGH QUALITY**
- **HYGIENIC**
- **COST FRIENDLY**
- **USER FRIENDLY OPERATION**
- **SAFER**



1&2 LOOP BAGS/ BAGS ON ROLL

FOR MORE DETAILS



- One and two loop FIBCs are less complicated and more economical in comparison with the four loop FIBCs.
- They are produced from tubular body fabrics to obtain a higher breaking strength within the fabric.
- For manual filling application bags are press bailed and packed on pallets; however, bags can also be wound on rolls to be used on automatic filling stations if required.

Advantages

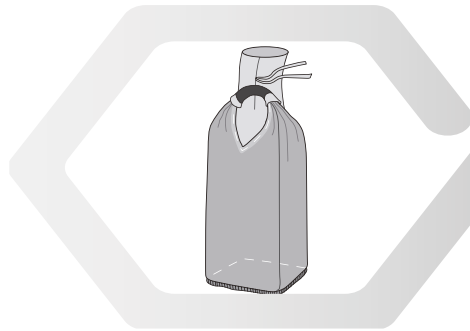
- Printing options up to 7 colors
- PE liner design with an air release channel appropriate for pressurized and rapid filling
- Special designs appropriate for automatic filling machines (Bags on roll)
- Production with 100% waterproof liners
- Bigbags with PP liners which allow easy recycling
- Easy handling.

Construction Options

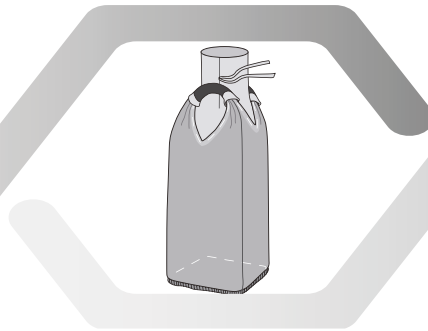
- Open top, inner liner
- Top panel with filling spout
- Filling spout sewn to the slit
- Star base
- Single base
- Square or rectangular base
- Square or rectangular base with a discharge spout



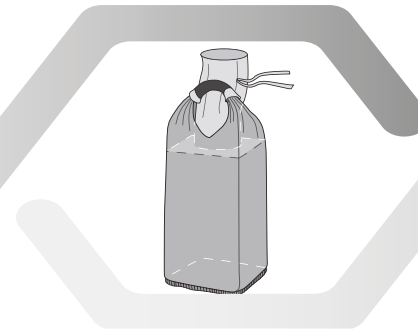
LIFTING & FILLING



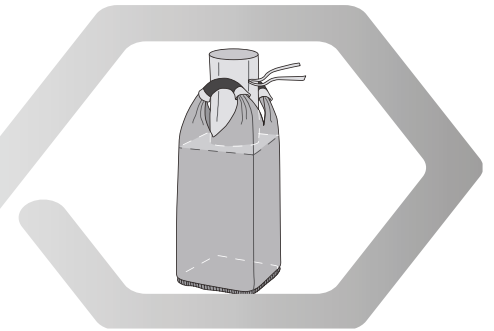
1 Loop Conical Filling Spout



2 Loops Conical Filling Spout

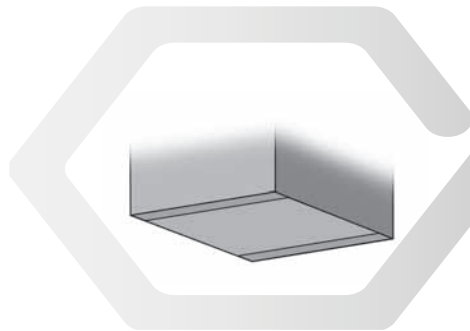


1 Loop Filling Spout with Lop Lid

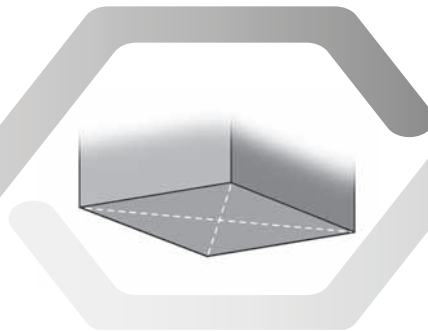


2 Loops Filling Spout with Lop Lid

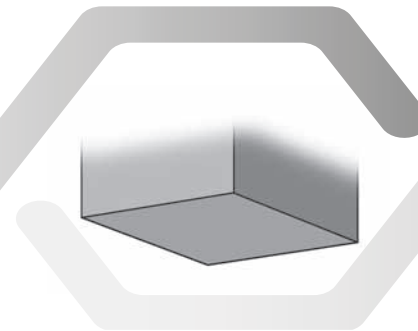
BASE



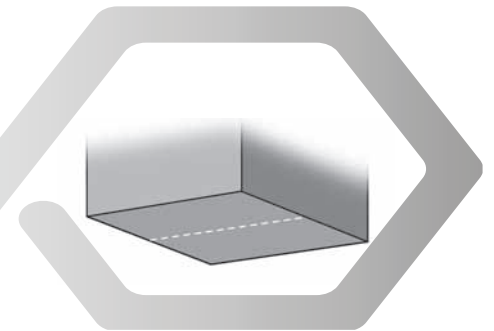
Double Base



Star Base



Square Base



Single Seam Base



LINERS

FOR MORE DETAILS



- Cesur provides a variety of solutions for alternative types of liners such as multi layer barrier, co-ex and mono layer designs produced with purpose-fit performance polymers tailor made to your very own requirement.
- LDPE, HDPE, EVOH, PA, Aluminium, Antistatic and Conductive grades are some base components we use to design the liner to satisfy customer requirements.
- Production of PP Liner option for easier recycling purpose and for special products with requires high temperature.
- Production of PCR Liner (post consumer recycle) for environmentally friendly products.
- Production of PPR Liner (post product recycle) for environmentally firendly products.



ALUMINIUM / BARRIER LINER

- The best oxygen & gas barrier in the industry
- In general, these liners are designed with a minimum of 3 or more individual layers laminated to each other ensuring high barrier, excellent welding, and durable finished product properties, when used together inside an FIBC or separately.

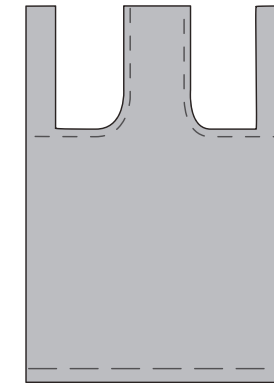
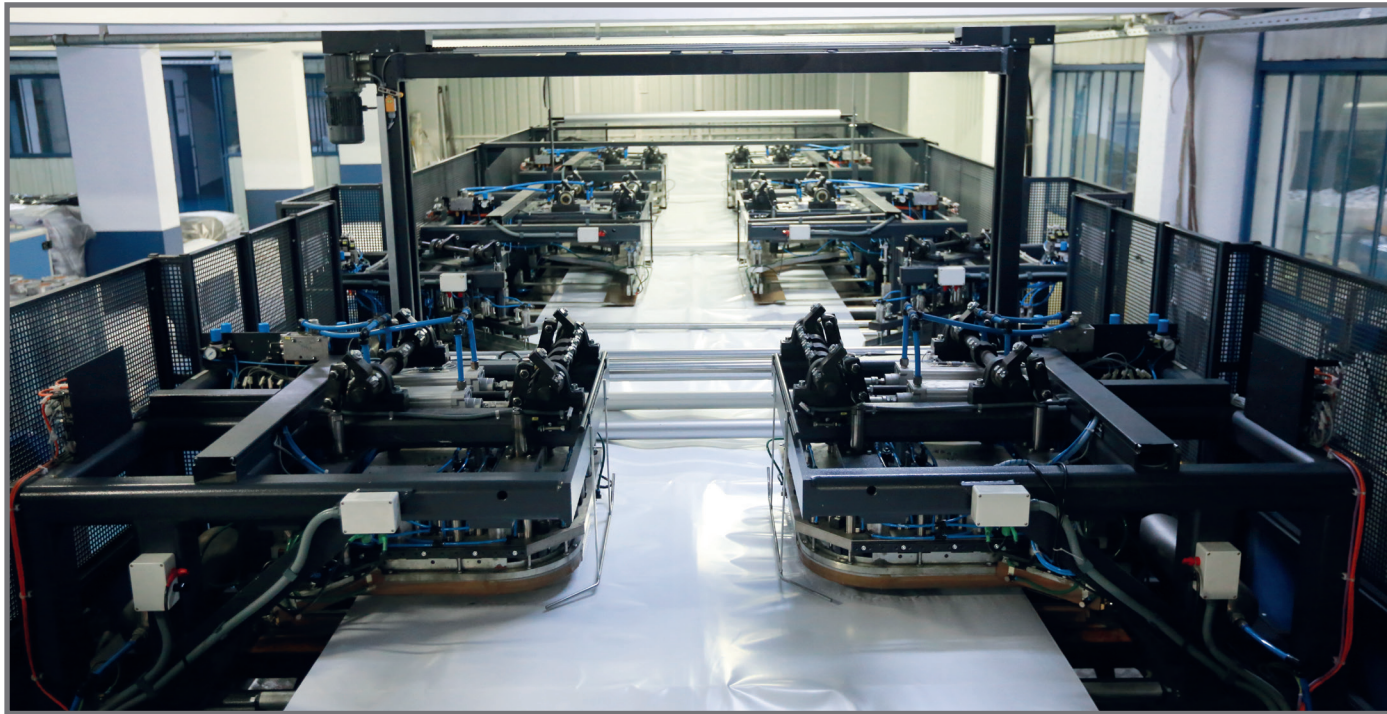
CONDUCTIVE LINER

- Safety at explosive zones comes first
- Conductive liners are produced on multi-layer extrusion lines ensuring %100 coherence to the Type-C FIBC it fits in for safe handling
- Cesur offers conductive liners with food approved product contact surface to prevent cross contamination and enhance the variety of industries it is used.

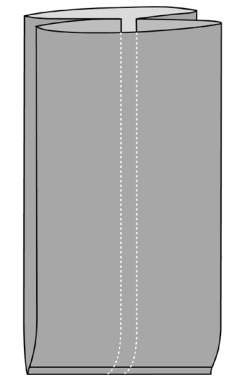
GAMBO LINER

- Gambo liner is a perfect solution to optimise load at limited spaces like container and truck ship-ments.
- It's unique design prevents the FIBC from bulging and keeps it within the confines of the pallet it sits on.
- As good as it is for space optimisation, it also provides 100% water proofing for the product inside.

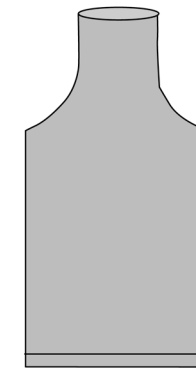
Precision welding to satisfy even the most complex goods in liners is imperative. Consistency together with best quality is what we offer to our customers at our high-end welding lines.



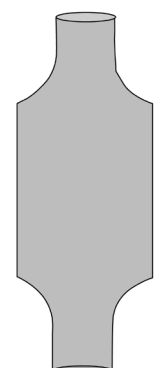
Suspended Liner



Gusseted Open - Top Liner



Filling Spout Shaped in Liner



Filling and Discharged Spout Shaped in Liner



BLOW UP EXTRUSION

- Cesur invests in diverse industries to serve its customers with a broad range and portfolio of products.
- Multi-layer blow-up extrusion line is a state of art technology we invested in to offer various high barrier solutions to our customers.

SMALL SACK & PRINTING CAPABILITY

Width : 40 cm / 75 cm

Height : 40 cm / 130 cm

Weight : 55 gr / 100 gr

Spread Width : 2,5 mm

Printing : 4 Color

Usage Areas:

Agriculture

Coal

Pulses

Flour

Food

Pet food



SMALL SACK

We can fulfil customer demands of 25-50 kg small sacks for a variety of products, which are produced on our semi and fully automated production lines. A multi-coloured printing process is equipped for excellent photo-realistic print quality. Small sacks of different dimension and types, with or without PE liners for non-dangerous goods and UN goods are tailor made to fit our customer's needs.





PRINTING CAPABILITY

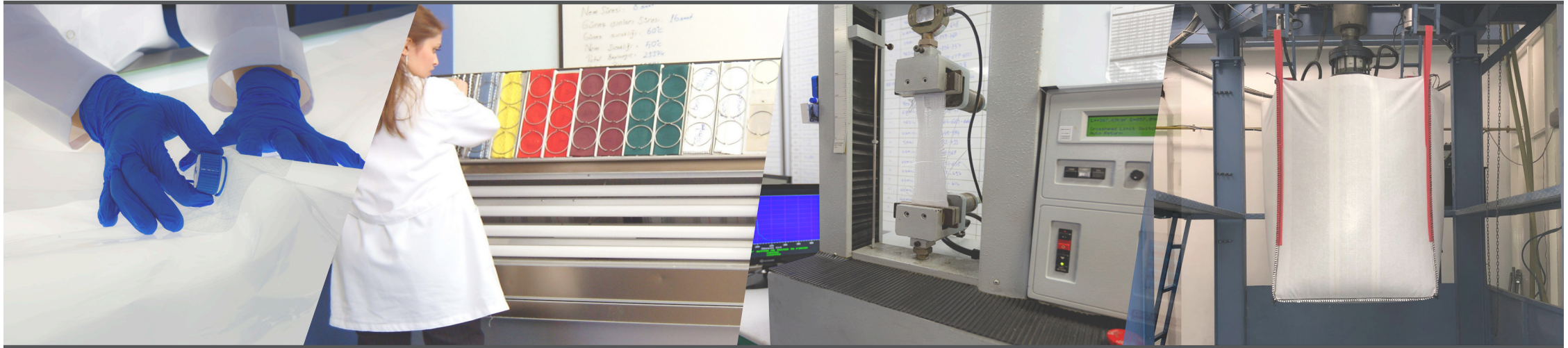
Cesur meets various customer demands by reflecting their corporate identity on FIBCs with colour flexo-printing lines which can print up to 8 colours with excellent quality. Bespoke printing designs are also available, starting with a customer demand, we create custom artwork which is then approved, and this process forms the fundamentals of a unique design with vivid colours.

Recently, to enhance our printing capabilities and go one step further, Cesur have invested in a BOPP extrusion printing line. For customers requiring photographic printing on FIBCs to advertise their product and company, we like to offer BOPP printed FIBCs produced on our high speed coextrusion coating line. BOPP print provides high resolution image with scatch proof surface for a durable, long lasting best quality printing with wide spectrum of colors.



QUALITY & CERTIFICATES

In our test laboratory, we test not only the finished bigbags but also the components produced in our vertically integrated production facility. To be allowed in the bigbag assembly process each item (yarn, loop, fabric, coating, PE liner etc.) must survive a certain performance test and answer certain criteria. The finished big bags are then tested according to their specifications and requirements of the related class, such as UN, Type C, Type D, and so on.



CERTIFICATES

All non-dangerous and dangerous (UN) goods FIBCs are produced according to certificates issued by reputable independent third party test houses.

We keep our certificate list updated matching the requirements of our customers.

ecovadis



BRCS



SUSTAINABILITY & RECYCLE

Cesur has committed to minimising the environmental effects of its production operations through the promotion of environmental awareness, use of environmentally friendly machinery as well as energy-efficient technology to offset the carbon footprint of the business, whilst also ensuring proper waste management. We also identify and assess our environmental impacts on an ongoing basis.



Environmentally-friendly PCR&PPR Bigbags

We are fine our tuning production to produce PCR (Post Consumer Recycle) and PPR (Post Production Recycle) based products for a more sustainable future! The new upcoming European legislation, followed by persistent demands coming from different industries steer the future of sustainability to a new level at plastic industry, where recovery of used plastics become paramount. We are glad to serve our customers with a variety of PCR and PPR based products helping circular economy to operate smoothly. Different designs of FIBCs produced with PCR and PPR based raw materials comply with requested SWL and SF for safe handling as well as different color and printing options. Please consult our experts for more details.



BENELUX 

Phone : +31 (0) 165 743 111
E- Mail : infobx@cesur.com
Address : Bredasew eg 237NL
- 4705 Netherlands

BULGARIA 

Phone : +3 (592) 930 50 40
E- Mail : infobg@cesur.com
Address : 8, Iskar St. Sofia 1000
Bulgaria

CANADA 

Phone : +1 (365) 880-8082
E- Mail : infoca@cesur.com
Address : 126-383 Vine St. St.
Catharines L2M6W3 Ontario Canada

CZECH REPUBLIC 

Phone : +420 234 261 955
E- Mail : infoca@cesur.com
Address : U Soudu 21, Ostrava
Poruba, 708 00 Czech Republic

FRANCE 

Phone : +33 (5) 56 320300
E- Mail : info@fr.cesur.com
Address : 10 Avenue Roger Lapébie
33140, Villenave D'ornon,
Bordeaux, France

LATAM 

Phone : +51 923 000 873
E- Mail : infolatam@cesur.com
Address : AV. Los Conquistadores
396 Urb. Fundo Conde
de San Isidro 15046 Lima
Peru

MEXICO 

Phone : +52 449 433 5275
E- Mail : infomx@cesur.com
Address : Calle Benjamin de la
Mora 332 Fraccio
namiento Panora
ma Aguascalientes,
Mexico

POLAND 

Phone : +48 7812 644 89
E- Mail : info@pl.cesur.com
Address : Skierniewicka 22 01
- 230 Warszawa
Polska

SPAIN 

Phone : +34 (0) 977 206 391
Mobile : +34 (0) 673 858 537
E- Mail : infoes@cesur.com
Address : C/ Alconera, 9 28037
Madrid Spain

SCANDINAVIA 

Phone : +46 (0) 42 122580
Mobile : +46 (0) 725 122580
E- Mail : scandinavia@cesur.com
Address : Bergavägen 1B 254 66
Helsingborg Sweden

TECHNOPAC GmbH 

Phone : +49 5971 808280
E- Mail : info@technopac.com
Address : Meitnerstraße 4
48432 Rheine
Germany

UNITED KINGDOM 

Phone : +44 (0) 17 82 338966
Fax : +44 (0) 17 82 338967
E- Mail : info@uk.cesur.com
Address : The Keele Centre
Threee Mile Lane
Keele. Newcastle
under Lyme Staffor
dshire ST5 5HH UK

USA 

Phone : +1 (281) 397 0051
Fax : +1 (844) 861 0338
E- Mail : info@us.cesur.com
Address : 12807 Haynes Rd,
Bldg. D, Houston, TX
77066 USA

CESUR HEAD QUARTER 

Cumhuriyet Mahallesi, Yüzyıl Cad-
desi, No:64 34876 Kartal İstanbul
Turkey

Phone : +90 216 377 28 55
Fax : +90 216 377 11 89
E-Mail : info@cesur.com