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President's Message



Greetings from IFTEX!

I am delighted to announce that our organization has officially rebranded as the Indian Federation of Woven Technical Textiles (IFTEX), following the recent approval by the Registrar of Societies. This special edition marks the first issue under the IFTEX banner, symbolizing a new chapter of growth, innovation, and sustainability for our industry.

With this fresh identity, IFTEX is committed to driving progress, fostering innovation, and promoting sustainability within the woven technical textiles sector. Our team has worked diligently to engage all industry stakeholders in this unique initiative, making this the only monthly Raffia Magazine of its kind in the world. We extend our heartfelt gratitude to all our advertisers for their unwavering support.

The magazine will continue to cover a wide range of topics, including current affairs, innovations, market trends, and emerging opportunities. It will also feature exclusive insights and messages from key members and influential figures within our industry.

In light of the government's increasing focus on quality standardization, the introduction of Quality Control Orders (QCO) for five key products—PP Cement Bags, Block Bottom Bags, Fertilizer Bags, Polymer Bags, and Postal Bags—appears imminent. I urge all members to begin the process of BIS registration, as ISI marking will be mandatory under these QCOs.

IFTEX, supported by our dynamic committees, remains steadfast in addressing all issues related to BIS standards, testing protocols, Extended Producer Responsibility (EPR), and updates from the Central Pollution Control Board (CPCB).

Thank you for your continued support and dedication to advancing our industry.

Warm regards,



K.R. Padmaja Reddy
President, IFTEX

Vice President's Message



Dear Esteemed Members,

I am delighted to share some exciting news with all of you. Under the able guidance of our President Mrs. KR Padmaja Reddy, the approval process for the change of our association's name from the All-India Flat Tape Manufacturer's Association (AIFTMA) to the Indian Federation of Woven Technical Textiles (IFTEX) with the registrar is now complete. This transformation marks a significant milestone in our journey and reflects our evolving focus and commitment to the woven technical textiles industry.

This change is not merely a change in name but represents a profound shift in our approach and dedication. We are now better positioned to vigorously pursue the issues concerning woven technical textiles with statutory bodies and government agencies. Our successful representation in matters such as Extended Producer Responsibility (EPR) and the Bureau of Indian Standards (BIS) is a testament to our strengthened resolve and proactive advocacy.

As we anticipate the implementation of the upcoming Quality Control Order for our range of products, it is imperative that we, as a collective, ensure adherence to the highest standards. This is not only a regulatory requirement but also a testament to our commitment to excellence and quality in our industry. Meeting these standards is our joint responsibility, and I am confident that together, we will rise to this challenge and continue to set benchmarks in the industry.

Moreover, let us take pride in the fact that our industry continues to play a crucial role in generating employment and contributing to the economic wellbeing of our nation. Our collective efforts and innovations have consistently driven growth and development, benefiting countless individuals and communities across the country.

Thank you for your unwavering support and dedication. Together, we will continue to drive progress and excellence in the woven technical textiles industry.

With Warm Regards,

Prakash Kumar Khemani

Vice President, IFTEX



Indian and Brazilian company partners to set up sustainable manufacturing plant for waste to wealth

Umasree Texplast has entered into a JV with Brazil based Packem to make FIBC / Jumbo Bags from rPET/ PCR with an overall investment of INR 300 Crores, for a new plant in Gujarat to support circular economy and Make in India.

Ahmedabad: City-based Umasree Texplast takes the lead in adopting mission Life, which encourages us to be a trustee of the environment as aptly conveyed by Prime Minister Shri Narendrabhai Modi, by partnering with Brazil's Packem for setting up a plant near Ahmedabad to produce **100% sustainable FIBC (Flexible Intermediate Bulk Container)/Jumbo Bags** made of PET/PCR (rPET) by recycling of the used PET Bottles.

Umasree holds a 49% equity in Packem Umasree Pvt. Ltd., the JV, and Packem, which recently became the first Brazilian company to produce 100% sustainable FIBC/Jumbo Bags made of PET/PCR (rPET), will hold 51%. Packem Umasree will be the first company in India to start producing FIBC/ Jumbo Bags made from 100% rPET/ PCR (Recycled PET) with the concept of Bottle to Bag.

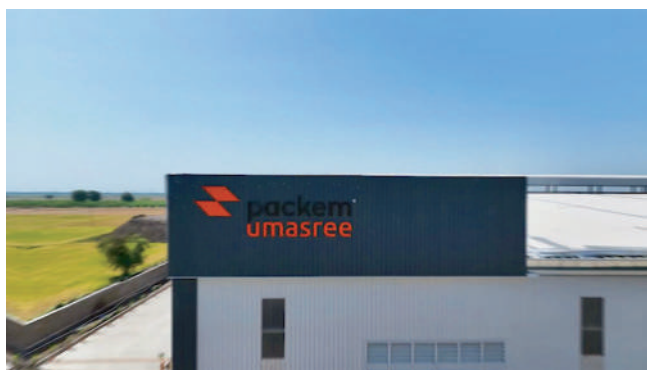
“We chose to form the joint venture with Packem because it is a young and energetic company with a vision for the future. India is a strategic location to serve the global market and we have been operating in this market since 2005. We have launched a 100% recycled and recyclable product and we felt Packem is a perfect fit with our philosophy of sustainability,” said Umasree's CEO, Punit Gopalka.

The new production unit to come near Ahmedabad which will produce 100 % sustainable FIBC / Jumbo Bags is expected to create about 700 Direct Jobs and 1200 Indirect Jobs. The plant will help India become self-reliant as well as emerge as a hub for exports of the bags.

“This new facility in Asia will take Packem to global markets that are already served today by Umasree, in PP bags, especially the USA, Canada and Europe. We have been Umasree's business partners for over 10 years, and it was this relationship of trust that enabled the Joint Venture to further strengthening this partnership,” said Eduardo Santos Neto, CEO of Packem.

The global FIBC market is led by five countries India, China, Vietnam, Turkey, and Mexico. In 2021, these countries exported 250 million units, with India accounting for 50% of that volume. At least two per cent of the global FIBC / Jumbo Bag market will be able to immediately replace the polypropylene product with recycled PET/PCR bags and this replacement will increase over the years.

“Our rPET big bag will bring great environmental and social benefits to India, in addition to direct jobs. It is estimated that every metric tonne of recycled plastic will create three local jobs for the collection and recycling industry. In addition, our project will create local demand for post-consumer PET bottles, with a





positive impact on oceans, rivers and the environment in general,” pointed out Marcos Spitzner Filho, CFO of Packem.

The rPET/PCR to FIBC/Jumbo bags is the greatest innovation of recent years in the segment of packaging for agriculture and will help in developing a circular economy. The first 100% bag-to-bag projects in the world will see big bags used in the field processed and recycled to be made into big bags again. The company will reuse 100% of the rPET FIBC / Jumbo Bags and help reduce virgin plastic from agribusiness and industry.

The special technology for the production of high-performance fabrics from recycled rPET/PCR is exclusive to the Austrian Company Starlinger, the world leader in the production of machines for raffia plastic packaging and recycling equipment for plastics.

About Umasree: Umasree (<https://www.umasree.com>) has been at the forefront of providing customized

big bag solutions for over 15 years. It is based in Ahmedabad city, in the state of Gujarat, India, and produces 3.50 Million units of big bags per year. The world is changing and to meet climate change targets there is a growing demand for solutions to reduce the carbon footprint. With the launch of the rPET project in India, Umasree aims to benefit from new technologies and contribute significantly to the environment by providing sustainable packaging solutions to its customers worldwide.

About Packem: Packem (<https://www.Packem.com>) has units in Brazil, employs over 1000 people and produces 6.0 Million units of big bags per year. With the rPET project, it will create more than 400 new direct job vacancies. Packem's commitment to sustainability intensified in late 2019 when it was purchased by the current Promoters. Renewed, the company decided to invest heavily in ESG actions to be the pioneer in the global market.

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- The views expressed in this publication are not necessarily those of the Association.
- This Association represents the Woven technical Textile Manufacturers in the Country. All of them stand solidly behind it.
- Ever since it was established in 1971, the Association has focused attention on the problems and difficulties faced by the Woven technical Textile Industry and has solved several of them.
- Members are requested to contribute articles on subjects that have a bearing on Woven technical Textile Industry in particular and PP / HDPE Industry in general. They will be published if they conform to the accepted standards. Letters to the Association and suggestions for improvement of this publication are welcome.
- For private circulation among members only.

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3	Gusseting machine		1 NOS
4	Manual printing machine (Jaypee make)		1 NOS
5	China both side flexo printing (7 colour)		1 NOS
6	Miscellaneous Air compressors – 4 nos, Bag cutting machine – 1 no, Tensile testing machine – 2 nos		

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Ahmedabad, 16th April 2024 – PackemUmasree Pvt Ltd, a joint venture between Packem SA of Brazil and UmasreeTexplast of India, proudly announces the inauguration of India's First 100% sustainable rPET (recycled polyethylene terephthalate) bottle to FIBC (Flexible Intermediate Bulk Container/ Jumbo Bag) bag plant. The ceremony, graced by the esteemed presence of the Honourable Governor of Parana, Brazil, Mr. Carlos Roberto Massa Junior, and Ambassador of Brazil, H.E. Mr. Kenneth Felix Haczynski Da Nobrega marks a historic moment in India's journey towards environmental sustainability.

Located at Gangad village near Ahmedabad, Gujarat (India), the plant represents a collaborative effort between two industry leaders committed to advancing environmental stewardship. Through cutting-edge technology and innovative processes, PackemUmasree Pvt Ltd will transform recycled PET bottles into high-quality FIBC bags, pioneering a closed-loop system that minimises waste and promotes circular economy principles.

Mr. Punit Gopalka, CEO of PackemUmasree Pvt Ltd, expressed his gratitude to Governor Carlos Junior and

Ambassador of Brazil, H.E. Mr. Kenneth Felix Haczynski Da Nobrega for his presence and shared his vision for the project, stating, "We are honored to have Governor Carlos Roberto Massa Junior inaugurate our plant, symbolising the strong partnership between Brazil and India in driving sustainable development. With his support, we are confident in our ability to make a significant impact on the environment while contributing to economic growth and social progress."

The inauguration ceremony, attended by dignitaries, industry experts, and local officials, served as a testament to the significance of this milestone in India's sustainable development agenda. PackemUmasree Pvt Ltd is poised to create employment opportunities, foster innovation, and position India as a global leader in sustainable packaging solutions.

As the first of its kind in India, the plant embodies the shared values of Packem SA and UmasreeTexplast, promoting collaboration, innovation, and environmental responsibility. Through this joint venture, the companies aim to inspire positive change and set new standards for sustainability in the packaging industry.



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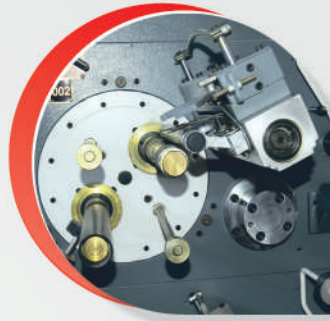
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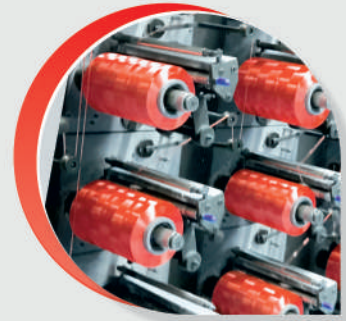
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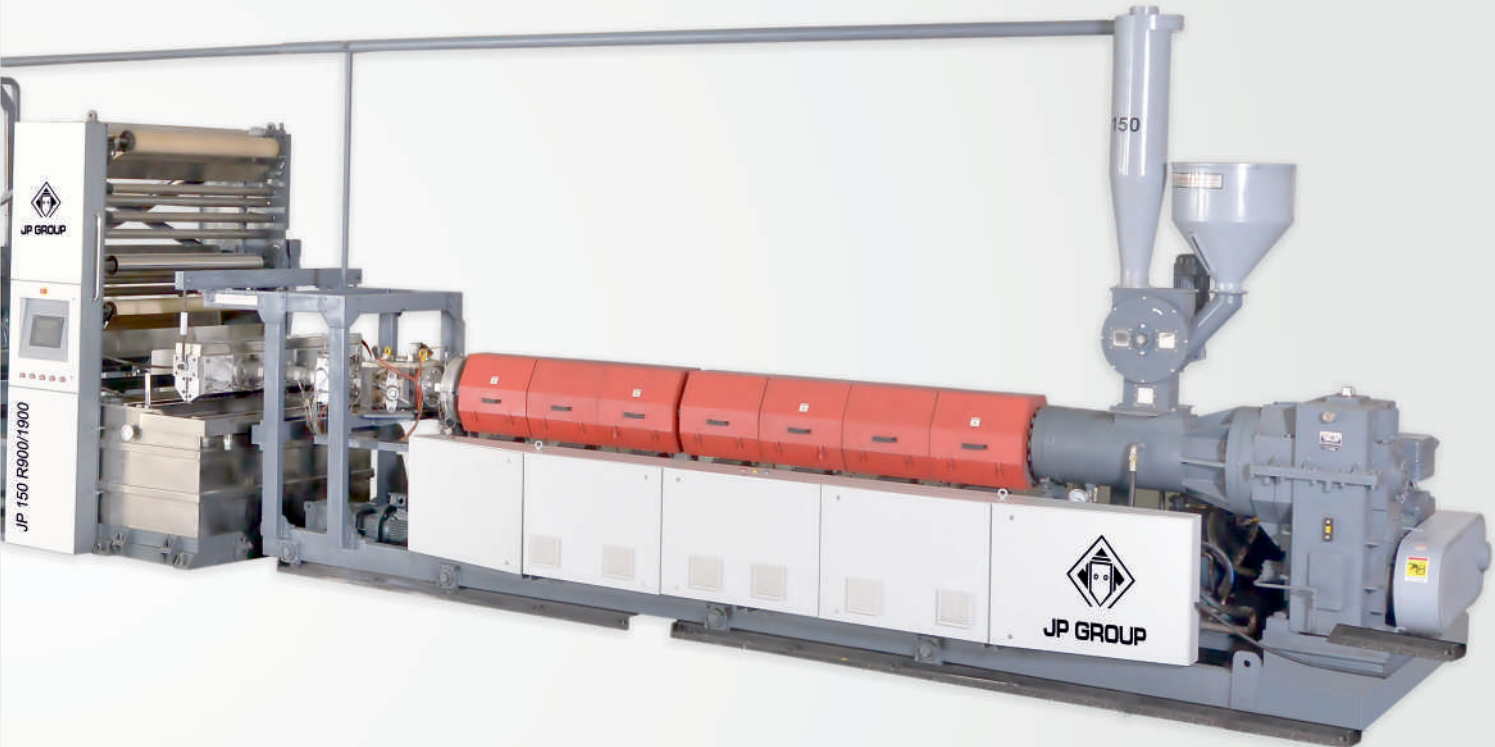
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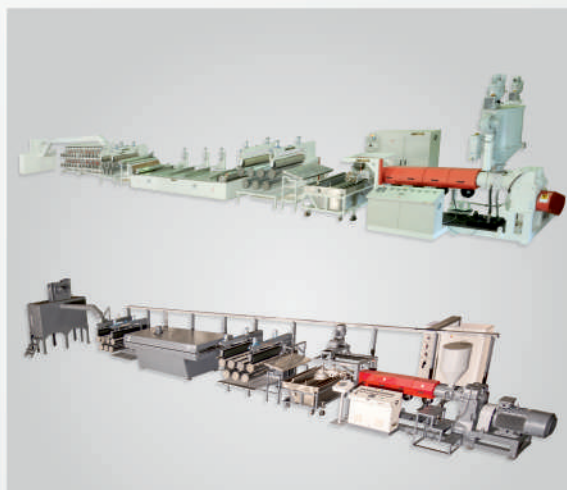
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IMPACT OF THE NEW BUDGET ON THE PLASTIC INDUSTRY IN INDIA

The Government of India recently unveiled its Union Budget in July 2024, bringing forth significant reforms that span multiple industries, with the plastic sector standing out as particularly impacted. As a vital contributor to economic growth and a sector under intense environmental scrutiny, the plastic industry finds itself at a crossroads. With global momentum shifting toward sustainability, India's budget underscores a strategic commitment to harmonizing economic development with environmental responsibility. Here's an in-depth look at how these budgetary changes are set to reshape the plastic industry in India:

1. Tax Reforms and Incentives for Sustainable Practices

One of the most notable changes is the introduction of tax incentives for companies that adopt environmentally sustainable practices. The government has increased the customs duty on single-use plastics to discourage their production and usage. This move aligns with global trends towards reducing plastic waste and promoting a circular economy. As Union Finance Minister Nirmala Sitharaman stated, *"The government is committed to fostering an environment where sustainability is at the forefront of our economic agenda. The increased duties on single-use plastics reflect our dedication to a greener future."* For manufacturers, this means higher costs, likely resulting in reduced production and consumption of these products.

Companies that invest in biodegradable alternatives and recycling technologies are expected to benefit from these tax breaks, potentially leading to a shift in the industry's focus

towards greener solutions. This sentiment was echoed by the *Confederation of Indian Industry (CII)*, which noted, *"The budget's emphasis on sustainability will drive the plastic industry towards innovation, particularly in the development of eco-friendly products."*

2. Infrastructure Development and Its Impact

The budget also allocates significant resources to infrastructure development, which is likely to boost the demand for plastic products, particularly in sectors like *construction and packaging*. However, the increased focus on using recycled materials in public projects could drive innovation within the industry, pushing companies to adopt more sustainable practices. *"The infrastructure push is a double-edged sword for the plastic industry. While it will spur demand, the requirement for recycled materials in these projects will force manufacturers to innovate and upgrade,"* said a report from the *Press Information Bureau (PIB)*.

3. Customs Duty Adjustments to Boost Domestic Manufacturing

In a strategic move to stimulate domestic manufacturing, the government has made targeted adjustments to customs duties on raw materials and finished plastic goods. By reducing duties on certain essential raw materials while increasing them on imported finished products, the aim is to provide a significant lift to domestic manufacturers, making locally produced plastics more competitive both in the domestic and global markets. *Dr. Ramesh Chand*, Member of *NITI Aayog*, commented, *"The government's approach to recalibrating customs duties is a crucial step in bolstering the domestic plastic industry. It not*

only encourages local production but also aligns with our broader vision of an Atmanirbhar Bharat (self-reliant India), where domestic industries thrive and contribute to sustainable economic growth."

4. Investing in Waste Management Infrastructure

The budget has earmarked substantial funds for the development of waste management infrastructure, a move with direct implications for the plastic industry. The government's commitment includes substantial improvements in waste collection, sorting, and recycling processes across the country, which could play a crucial role in reducing plastic pollution and advancing sustainable practices. These enhancements are expected to streamline recycling efforts, aligning the industry more closely with global sustainability targets and significantly lowering the environmental footprint of plastic production.

Dr. Sunita Narain, Director General of the Centre for Science and Environment (CSE), emphasized the importance of this initiative, stating, "Investing in waste management infrastructure is critical not only for mitigating plastic pollution but also for ensuring that our economic growth is sustainable. Proper waste management systems will enable us to close the loop in the plastic lifecycle, turning waste into a resource."

5. Support for MSMEs and Innovation

Micro, Small, and Medium Enterprises (MSMEs) are pivotal to India's plastic industry, contributing significantly to employment and economic growth. The recent budget has introduced targeted initiatives to support MSMEs, particularly through increased funding for credit support and technological upgrades. This financial backing is designed to help small businesses expand their operations, invest in new technologies, and enhance their production capacities, addressing one of the most critical challenges these enterprises face—access to affordable financing.

As **Dr. Pawan Goenka**, Chairman of the Steering Committee for MSMEs at NITI Aayog, noted, *"The government's focus on financial inclusion for MSMEs is crucial for enabling them to scale and innovate in a competitive global market."*

In addition to financial support, the government is fostering innovation within the MSME sector by offering subsidies and grants for research and development. This focus on R&D is expected to drive advancements in plastic production technologies, making them more efficient and environmentally friendly. As global markets increasingly prioritize sustainability, the ability of MSMEs to produce eco-friendly plastics will become a key competitive advantage. Moreover, this emphasis on innovation encourages collaboration between MSMEs, larger enterprises, and research institutions, paving the way for the development of advanced materials and energy-efficient processes. *"Encouraging R&D in the MSME sector is essential for developing new technologies that meet both economic and environmental goals,"* said Professor Anil Gupta, an expert in grassroots innovation at the Indian Institute of Management, Ahmedabad.

The budget also highlights the importance of skill development, aiming to upskill the workforce within the MSME sector. This initiative will enable these enterprises to fully leverage new technologies and innovations, bridging the gap between traditional manufacturing practices and modern, sustainable production techniques. Overall, the government's comprehensive approach to supporting MSMEs — through financial aid, technological advancement, and skill development—positions these enterprises to thrive in an increasingly competitive and environmentally conscious industry landscape. According to a report by the Indian Council for Research on International Economic Relations (ICRIER), *"Investments in skill development for MSMEs are critical for sustaining long-term growth and compe-*

tiveness in sectors like plastics, where technological adaptation is key."

Challenges and Opportunities

The new budget presents both challenges and opportunities for India's plastic industry. The increased duties on single-use plastics, aimed at promoting sustainability, could lead to higher production costs, particularly impacting smaller firms that may struggle to adapt quickly. This could create short-term financial pressures as companies navigate the transition to more sustainable practices. However, the government's focus on innovation and sustainability also offers significant opportunities. Firms that invest in biodegradable alternatives, recycling technologies, and eco-friendly production methods stand to benefit in the long run, positioning themselves as leaders in an increasingly environmentally conscious market.

Overall, while the budget introduces complexities, particularly around increased costs and compliance, it also sets the stage for a more resilient and forward-looking industry. By embracing the government's push towards sustainability and leveraging the support for research and development, companies in the plastic industry can transform these challenges into opportunities for growth and innovation. The emphasis on sustainability, innovation, and infrastructure development is likely to reshape the industry, encouraging firms to adapt and thrive in the evolving landscape.

Prakash Kumar Khemani

VP- IFTEX

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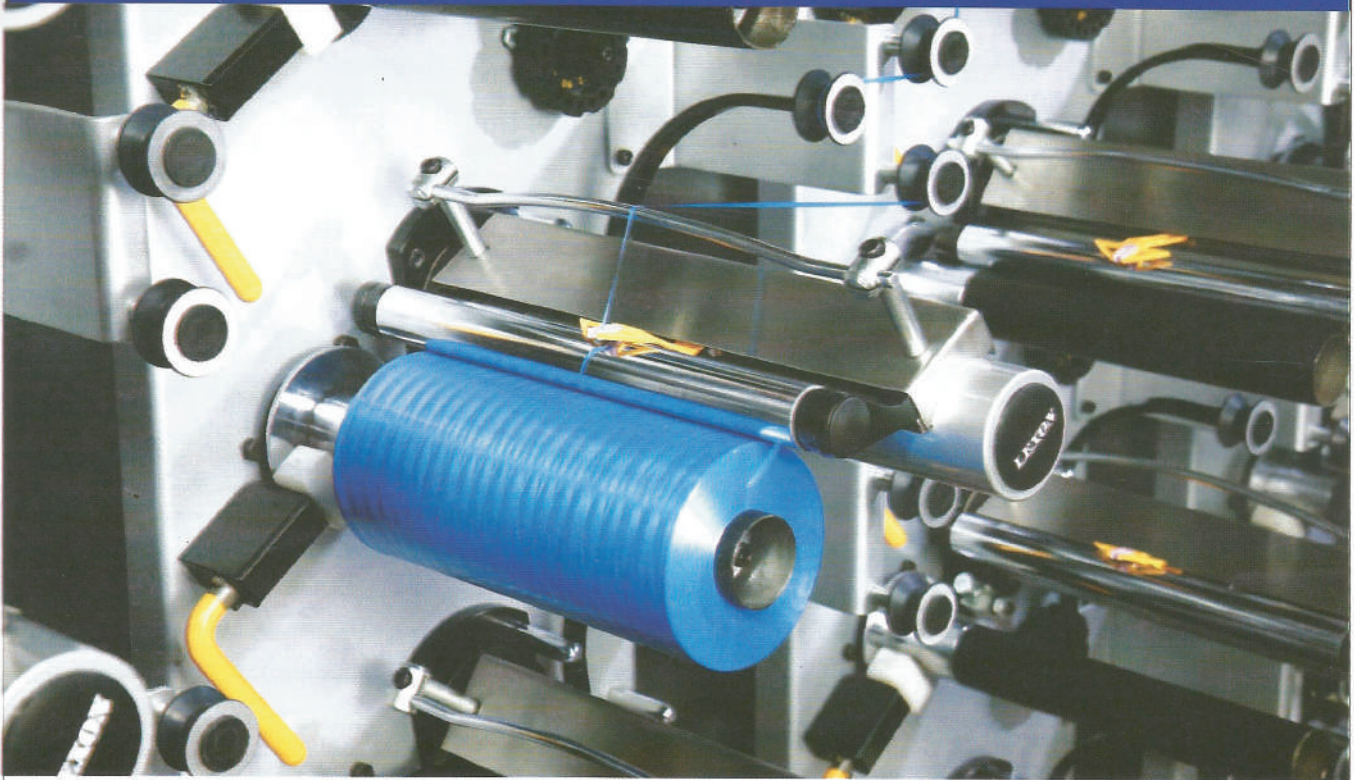
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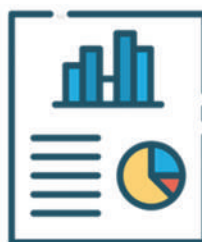
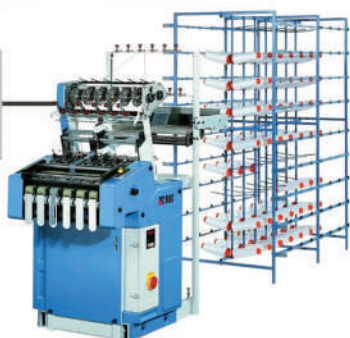
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Working Width
upto 2000 mm

Production Capacity
upto 750 kg/hr



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Nr. DAV School, Makarba, Prahladnagar,
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High Speed Universal Processing

Up to 750 kg/hr. production capacity
High performance, high tenacity tapes
Low denier variation, low energy consumption
Lowest cost of production

Redefining
Technology



Innovative Extrusion



Energy Efficient Extrusion Unit with Inline Mixer, Performance screw, Continuous filtering System and Precise Die.

Best in Class



World's Leading Extruder Gear Box with inbuilt PHE works most efficiently with lowest energy losses with extended life.

Best Melt Quality



Melt / Gear Pump deliver Pulsation free, accurate volume per revolution. it Ensures lowest Flow variation In machine direction.

Perfect Winding



Inverter driven Winders with High Speed Operation ensures uniform tension winding with Lower Power Consumption.

Sleek Design



Stretching & Annealing Roller Unit with up to 500 meter/min. Operational Speed with optional Safety Guard System.

Smart Operating

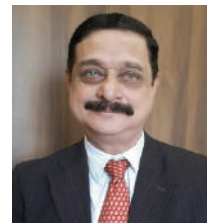


Full Touch Controlled Unit with Single Point centralized Access for entire process. Self - diagnostic system with Real time display of Energy consumption, Production data, Alarms and many more with printing option.



Raffia in Technical Textiles

(Contd – Part 2)



Dr. U.K. Saroop
Vice President
Lohia Corp Ltd, Kanpur

Roofing Membranes:

Roofing materials are primarily used for waterproofing and heat insulation and find applications as roof underlayment, house wraps and reinforcement fabrics for protection of building from external weather, and sound-deadening features.

Roofing membrane is a complex, multilayer composite product, with each layer having specific functions during use. The most common type of bituminous roofing membranes consists of three and five layers of polypropylene woven fabric, nonwoven fabric, breathable PP film and bitumen layer. They also include asphalt coated fabrics, resin coated fabrics and many more variants. Roofing fabric products are highly vapour permeable and breathable yet waterproof. Excellent resistance to tear and punctures, good abrasion resistance, flame resistance, water leak prevention, ultraviolet (UV) resistance, durability, flexibility at low temperatures and, high-temperature tolerance. The multilayer structure ensures extreme resistance to tearing. HDPE/PP woven fabrics used for making roofing membranes are thin fabrics of 70 to 150 g weight.



Shade Nets:

Shade nets are synthetic fibre netting made of UV stabilized HDPE tapes. Tapes used for shade nets are either produced on tape plant or the slit tapes from blown film rolls. The typical tape denier ranges from 500 to 900 denier and the resulting shade nets weight of 60 to 150 gsm. The shade nets are usually knitted on two bar, raschel warp knitting machine having 1.6 to 3.2 m width. The most used and popular knitting machines are from Karl Mayer,



IMPRESSIONS OF SUCCESS



Special Design For Multicolour Logo Print

Seven colour Flexographic printing machine, bag to bag for HDPE / PP Woven sacks, Jute and Laminated jute bags, Kraft paper bags, Non woven bags...



Hydraulic Bale press



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ETHIOPIA	R.D.CONGO
FRANCE	RUSSIA
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Our other products :
Manual printing machine for FIBC/JUMBO BAGS
Hydraulic Bale press up to 80 Tone capacity
Hydraulic Bale press container type
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MOBILE : +91-98240 17200, 98240 22456, 97243 31029
E-mail : exports@navjivanexporters.in
Web : www.navjivanexporters.in

Germany. Shade nets are available in different shade percentages or shade factor of 20 to 80 percent used for protected cultivation, partially controlled atmosphere reducing sunlight intensity and effective heat. They provide protection to growing plants from insects, extreme weather conditions and, reduces water evaporation from soil. Due to these advantages, round the year seasonal and off-seasonal cultivation is possible and are used in organic agriculture.

Lumber Covers:

Lumber covers are polypropylene woven, laminated fabrics with transparent end panels used for covering of long wooden blocks to protect from moisture loss, rain, snow and soiling. Three-layer product consist of woven fabric, both side extrusion coated with white topcoat and black, grey or beige undercoat for outstanding opacity, reduced heat build-up, reduced condensation, moisture barrier and, excellent tear and puncture resistant. The coating is formulated for anti-slip property



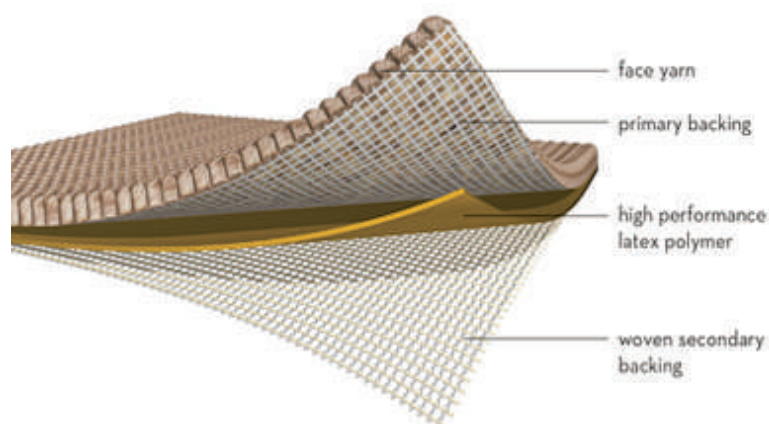
and usually of matt finish. Slip resistant top surface treatment helps to provide safer working conditions while matt finish provide better printability.

Lumber fabrics are produced with mesh 5x5, 6x3 and 8x4, fabric weight 50 to 100 gsm, fabric roll width of 1.2 to 3.6 m and are UV stabilized.

They are also used as protective packaging for lumber, plywood, kiln-dried lumber, treated wood, remanufactured wood, structural panels, all types of sidings and other building materials.

Carpet Backing Fabrics:

Carpets are primarily made of face yarn, primary backing fabric and the secondary backing fabric. The tuft of carpet made of face yarns are anchored in primary backing fabrics. The secondary backing fabric is adhesion bonded to the primary backing fabric.



Primary backing is produced from polypropylene flat tapes or fibrillated twisted tape yarns and the fabrics are generally of 2.2 to 3.6-meter wide. The flat tapes used for making primary backing fabrics, typically has 1.5 to 2.5 mm tape width, 12 to 20 mesh weave and fabric weight of 120 to 450 gsm. It is constructed of a plain open weave so that high quality face yarn tufts can be woven and locked or anchored into it. Primary



Wire Healds for Plastic Woven Sacks Industries






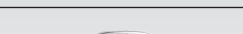

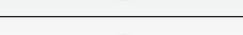
Length :
300, 305, 310 & 355 mm or required

Wire Size :
0.91 mm or required

End Loops :
Open J, Oblong, Round & Open C

Eye Location :
In centre or above centre

Surface Finish :
Nickel Plating
We can supply other Wire Healds on customer request.

Eye No.	Photo	Dimension in mm
1080R		6.6 x 3.9
390R		8.0 x 4.2
420R		9.0 x 4.8
450R		10.0 x 6.3
8040R		8.0 x 4.0
440R		10.5 x 2.8
480R		13.5 x 7.5
65/0		6.5

Get Quality & Perfection

We can also supply Flat Healds & Drop Wires

backing fabrics are firmly woven, very stiff and adds dimensional stability to the carpet.

Secondary backing fabrics are made of polypropylene flat tapes and fibrillated twisted tape yarns or the combination of both. Secondary backings used today are majorly of leno weave structures, that forms a stretchable, non-skidding fabric. To avoid undue shrinkage of backing fabrics and curling of carpet during high temperature latex application process, the flat tapes and fibrillated tape yarns used for weaving backing fabrics are heat annealed at high temperatures. The residual shrinkage of tape yarns shall not be more than 2 percent at 1350C. Such tapes or fibrillated yarns are also called as zero shrinkage yarns. Backing fabrics are treated for mould, mildew and rot resistance, as it is an integral part of the carpet structure.



Volatile Corrosion Inhibitor (VCI) fabrics:

VCI fabrics are used as covers for protection against corrosion of ferrous, non-ferrous (including copper and aluminium) and metal alloy products, machinery, protection of metal coils, sheets, tubes, galvanized coils (white rust protection) and non-ferrous coils (protection from tarnishing/ oxidation). For delicate equipment, form-fit fabricated covers made from VCI fabrics are used for protection against oxidation and corrosion. Use of VCI fabrics is preferred over VCI films and VCI papers, due to its flexibility, better tear and puncture resistance, abrasion resistance, good moisture barrier and airtight packaging without damage to equipment.



The typical VCI fabric construction consists of low weight HDPE raffia base fabric which is extrusion

coated on one side with polyethylene for moisture barrier properties, whereas the other side is extrusion coated with polyethylene based multi-metal VCI formulation. The VCI formulation is a mixture of special chemicals that are volatile in nature, and they constantly vaporize and evolve gases which have anti-corrosion properties. These special vapours remain near the metal part and form a very thin protective layer around the metal surface and prevent the metal from corrosion.



Fibrillated Tape Yarns:

Polypropylene fibrillated twisted tape yarns are used as stitching thread for woven sacks and for cable fillers. The denier range of 800 to 2000 is commonly used for stitching threads, while it varies from 4000 to 20000 for cable filler cords. Production of fibrillated tape yarns involve extrusion of very thin, wide width tapes, followed with uniaxial stretching at hot air oven and subsequent fibrillation of stretch tapes before it is wound on large size bobbins. For improved fibrillation effect, profiled, serrated extrusion die lip is also used. The fibrillated tapes are then twisted on

FP RD Frontal Inks

Solvent based printing inks for Laminated Woven Sacks packaging

*Suitable for Laminated HDPP Woven Sacks
for Cement Bags.*



For over 255 years, hubergroup has been at the forefront of innovation in the printing, packaging, paint, coating, and chemical industries. Our enduring excellence, supported by the combined expertise of our German and Indian R&D teams, allows us to stay responsive to our customers' evolving needs, consistently delivering quality products that meet specific print shop requirements.

FP RD Frontal Inks from hubergroup offers a vibrant, full-colour range of pigmented, NC-based inks, expertly formulated for surface printing on HDPP Woven Sacks for Cement Bags and other general items.

These inks are specially designed for AD Star bags suitable for high-speed filling lines and superior strength.

For more information contact our product specialist or write to us.

HIGH HEAT RESISTANCE

HIGH SCRATCH RESISTANCE

EXCELLENT ADHESION



Two for One (TFO) twisting machines with desired twist per meter ratio. For fibrillated stitching threads the usual twist per meter (TPM) is 80 to 120, for cable filler cords the TPM range is 40 to 80. Stitching threads used for woven sacks, generally are UV stabilized to improve strength retention for extended period.

Cable filler cords are soft, fibrillated yarns which aids in cable construction by filling the void spaces in an internal cable assembly by occupying the free gap created due to the cable construction of more than one conductor. Filler material helps to keep the wires in place, ensure that the cable stays round in cross-section, to retain its shape, expelling any air pockets that may have been trapped between the various wire cords housed within the cable, reducing inter cord friction and heat which can degrade cable over time. Generally, cable filler cords are produced with antistatic and flame-retardant treatments to avoid fire hazards.

Fibrillated tape yarns for stitching threads and cable fillers



COST-EFFECTIVE WORLD CLASS PRODUCTS.

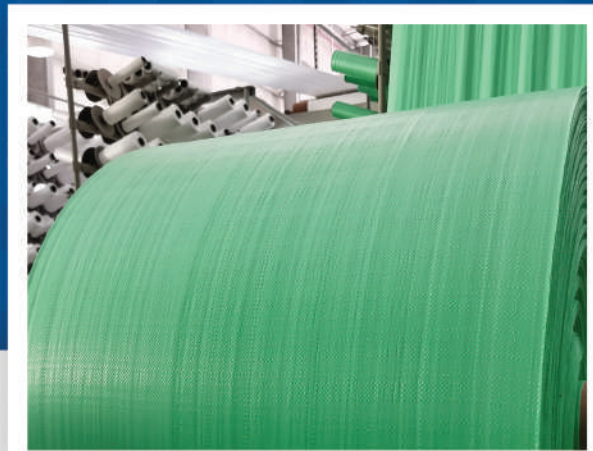
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- Woven Sacks & for AD Star Fabrics
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CIN: U25200WB2008PTC126984

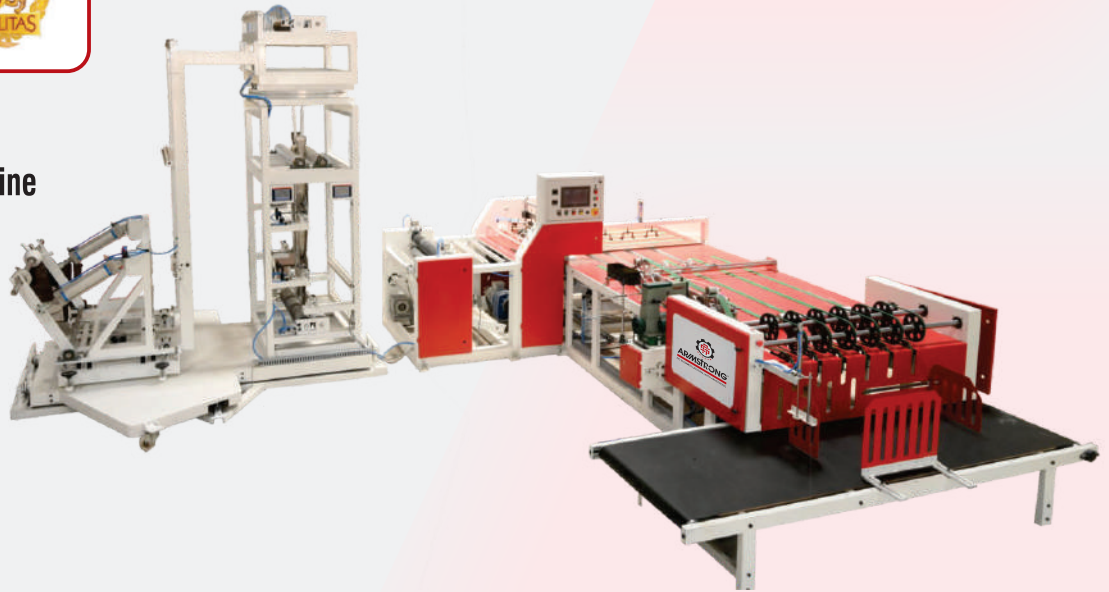
ISO 9001 : 2015



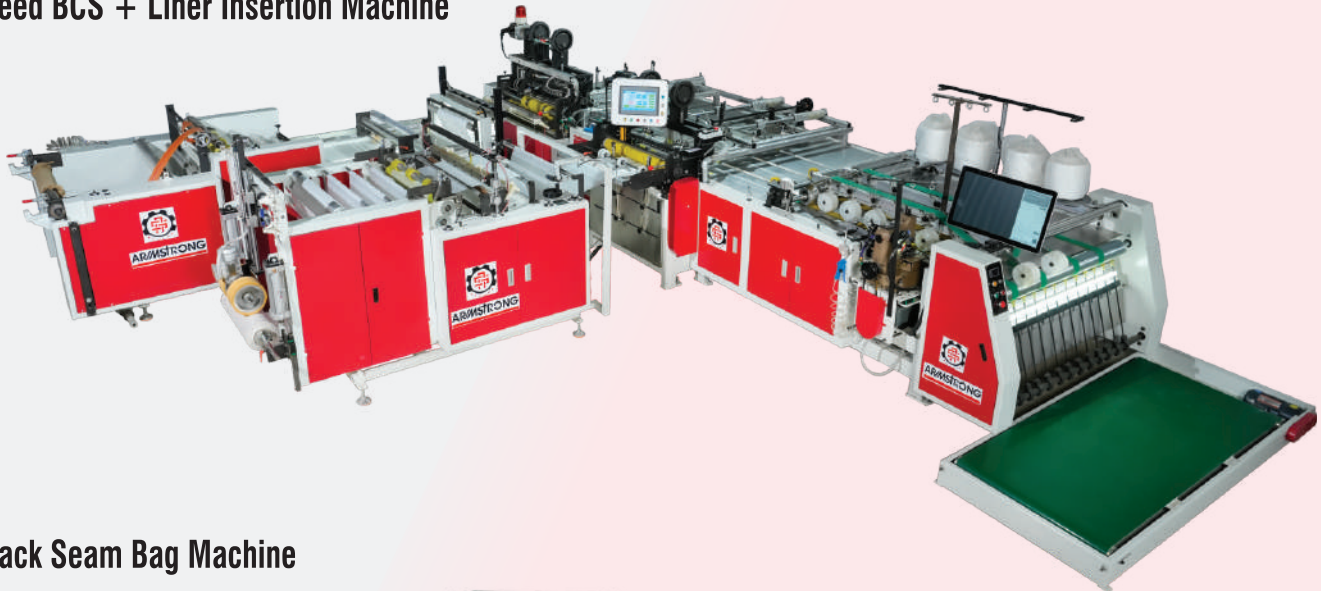
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High Speed L-Type BCS Machine with Twist Gusset

PP/HDPE Woven Bag Cutting & Stitching Machine



High Speed BCS + Liner Insertion Machine



Tuber Back Seam Bag Machine



High Speed Automatic Machine for Back Seam Glue Based Bag for BOPP Laminated Woven Bags with Gusset Unit Inbuilt.

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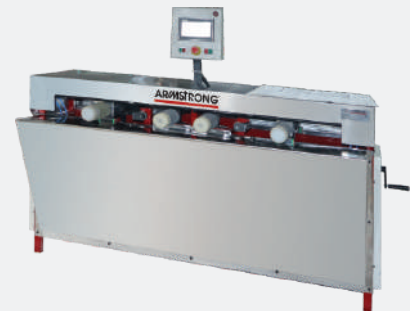
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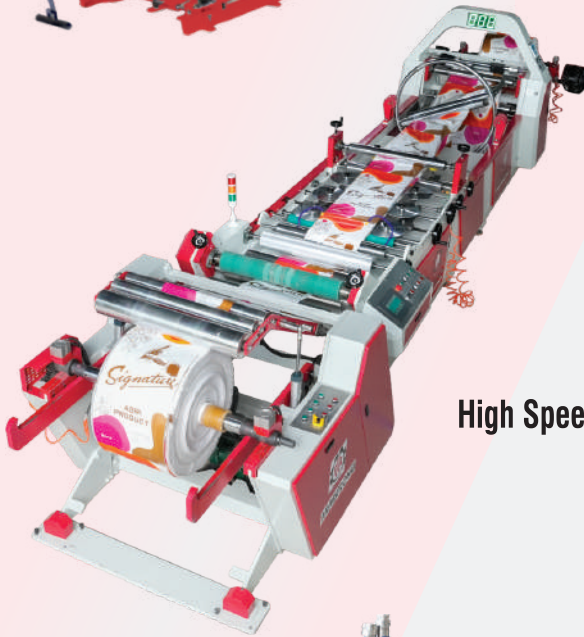
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GRANULES

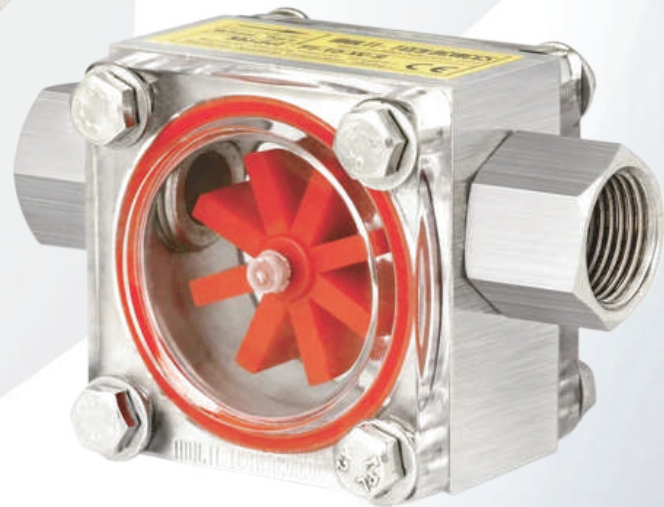
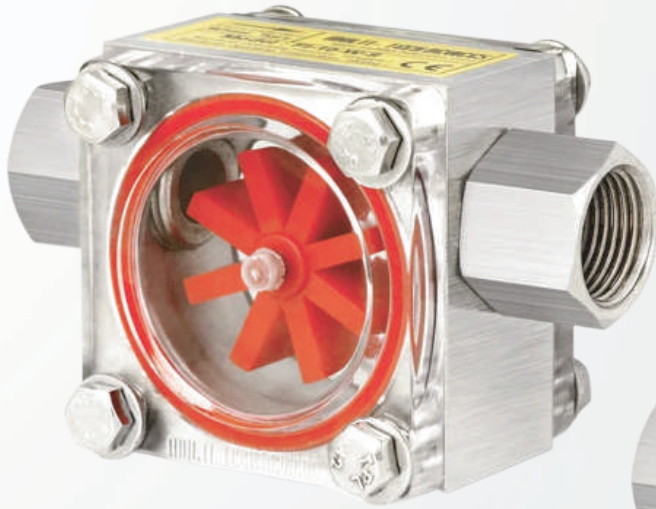
CONVEYOR



S NO.	DESCRIPTION	REF. NO.
1.	PLASTIC HOSE FOR LOADER CP450 ,DIA50MM	12470020047
2.	PLASTIC HOSE FOR LOADER CP300 ,DIA40MM	12470020046

FLOW

INDICATOR



S NO.	DESCRIPTION	REF. NO.
1.	FLOW INDICATOR 3/4" BSP FI-20-W-S	12470180007
2.	FLOW INDICATOR 1" BSP FI-25-W-S	12470180008 / 12470180002
3.	FLOW INDICATOR 1/2" BSP FI-15-W-S"	12470180001 / 12470180006



SPECIALIST IN ALUMINUM CHEESE PIPES

- ⬆ Light in weight & better strength as compared to MS Pipes.
- ⬆ Being lighter in weight than MS pipes reduces vibrations maintenance & also save energy.
- ⬆ Pipes extruded with harder alloy give better strength compared to Cold Drawn Pipes & MS pipes & gives higher operational life.
- ⬆ Comparatively cheaper than MS & Cold Drawn Pipes (considering : investment, operational life & disposing i.e. scrape) considering equivalent life cycle.
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- ⬆ Available in Dimensions ID /OD in mm : 110/120 , 90/102, 90/99, 90/98, 82/90, 80/88, 76/82, & 35/40. Special sizes can be developed to suit special requirements.

Manufacturer & Exporter

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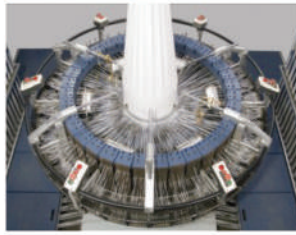
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For all make & models of Looms



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Avoids Tape Cutting
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Improves Quality

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Loom Controller' for Electronic Loom

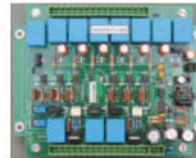
For all make & models of Looms



HMI - PLC



LED's for Diagnostics Direct Replacement



'All in One PLC card' for Mechanical Loom



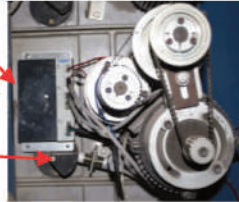
Maintain fabric quality by easy diagnostics & increase productivity by fast troubleshooting.



Winder Card & Analog Sensor



Cheese winders & Winder Frame



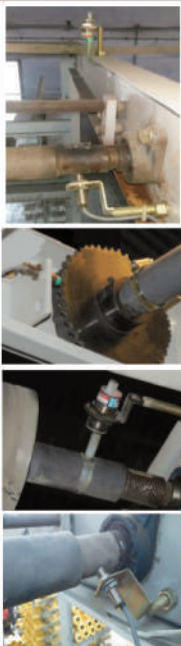
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'Synchronizer' Auto & Manual

For Direct Replacement in many make of 'Electronic Winders'

Avoids Total Frame Failure



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Instant Auto Report

Performance Analysis



Easy Monitoring of all Looms & machines



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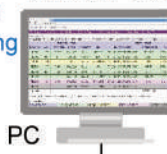


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W.I.U.

Central Monitoring

LIVE REPORT



PC

ORDER STATUS



Easy Monitoring

OFFICE

Wired LAN

Wi-Fi LAN

Internet

LAN Switch

(ADSL Modem)

Report over Email

PMS: For Production Monitoring of Looms, Other Machines & Order Status



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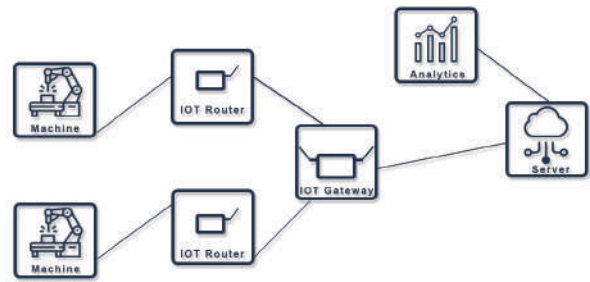
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Connectivity

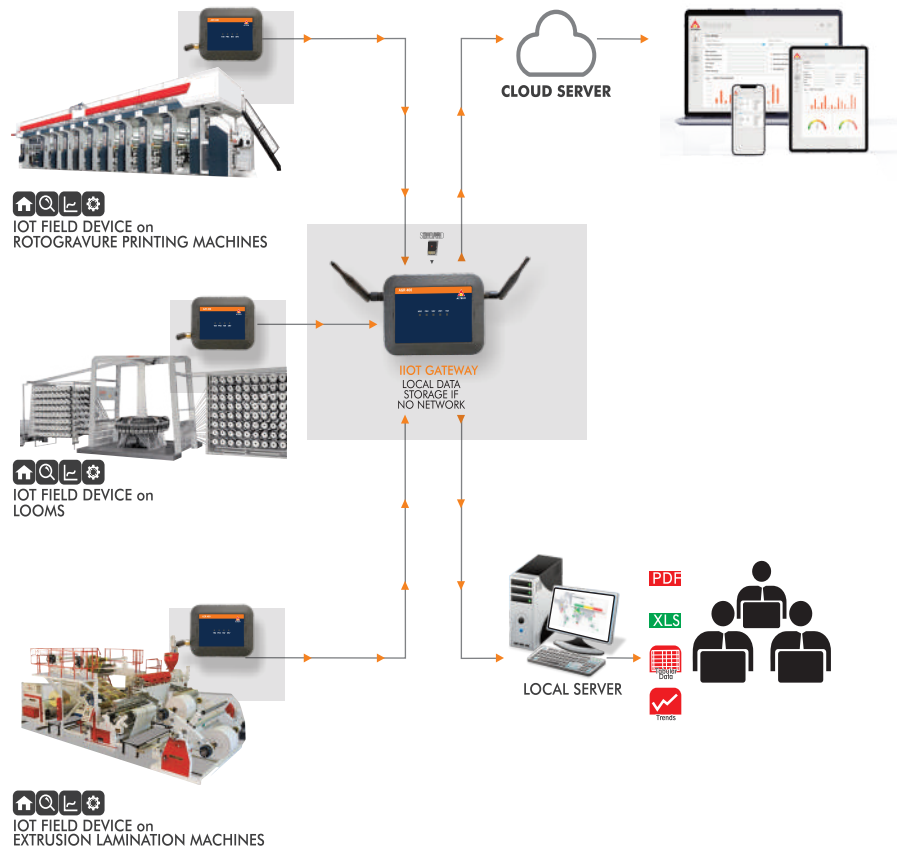
Allowing users to log and analyze key performance indicators such as OEE, Alteem's Dashboard Portal is at the heart of connected services. Showing historical data and generating reports, it allows users to gain insights to produce real operational improvements, and can be used remotely via laptops and smart phones.

Remote Monitoring

Remote Monitoring provides live data of all connected machines, including average speeds, production output, uptime, downtime, energy consumption, job planning, and much more. This data can then be used to improve operations and enhance productivity.

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Downtime monitoring improves overall production efficiency by giving live and historical data of the machines to make sure they are performing as per the required capacities.



The Gateway can be installed directly on the machine.

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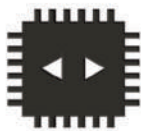
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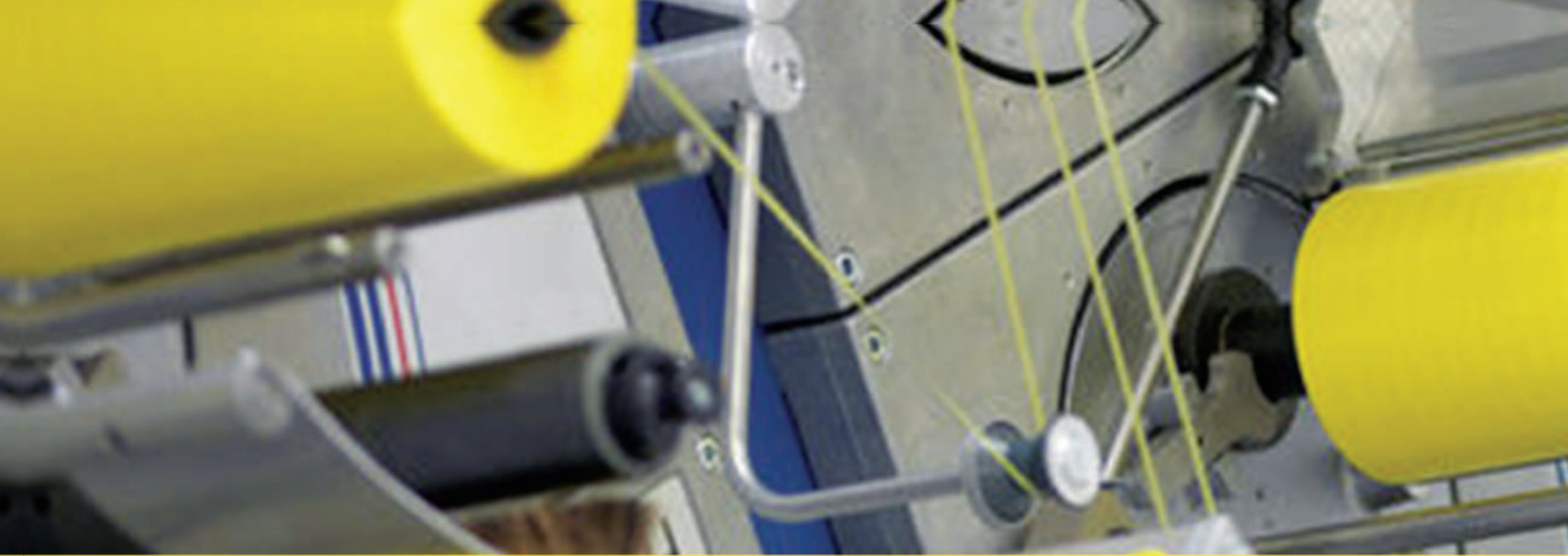
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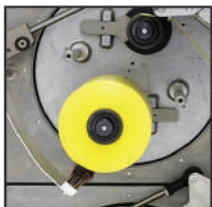
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Karnataka India

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ID 31, 32, 35, 37, 38mm x WT 1.0mm x Length as requested
ID 35mm x WT 1.5mm x Length as requested (300 Gms)
ID 35mm x WT 1.3mm x Length as requested (260 Gms)

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If your specific product is not mentioned here, please contact us.

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2	8 SHUTTLE CIRCULAR LOOMS- MAKE: - LOHIA, MODEL-LSL 8 WITH FABRIC OPENING DEVICE AND WIDE WIDTH WINDERS FOR LIGHT WEIGHT FABRIC	2 NOS
3	OMEGA 6 CIRCULAR LOOM	12 NOS
4	LINER PLANT- MAKE: - SUBHAM	1 NO
5	PRINTING MACHINE-4 COLOUR, MAKE: - JP, YEAR - 2004, CAPACITY - 80 MTR/MNT	1 NO
6	SEWING MACHINE- MAKE: - ARMSTRONG, MODEL-502	6 NOS
7	SEWING MACHINE- MAKE: - NEWLONG, MODEL: - DKN-3W	3 NOS
8	SEWING MACHINE- MAKE: - NEWLONG, MODEL: - DN-2HS	1 NO
9	SPARE PARTS OF NEW LONG SEWING MACHINE	---
10	JAICO - 810 CIRCULAR LOOM	2 NOS
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- Mono Ethylene Glycol (MEG)
- 1,3-Butadiene ● Butyl Acrylate



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Product Slate Includes:

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- High Density Polyethylene (HDPE)
- Linear Low Density Polyethylene (LLDPE)
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NEWS ROUND UP

➤ **World Economic Outlook :** Global growth is projected to stay at 3.1 percent in 2024 and rise to 3.2 percent in 2025. Elevated central bank rates to fight inflation and a withdrawal of fiscal support amid high debt weigh on economic activity. Inflation is falling faster than expected in most regions, amid unwinding supply-side issues and restrictive monetary policy. Global headline inflation is expected to fall to 5.8 percent in 2024 and 4.4 percent in 2025, with the 2025 forecast having been revised down. (Source: -IMF Jan'24)

➤ **INDIA- The Third Largest Economy, Soon :** Projections indicate that India is poised to surpass Japan and Germany, positioning itself as the world's third-largest economy by 2027. One decade ago, India ranked as the ninth-largest economy globally, but recent data indicates it has climbed to the fifth position, with a nominal GDP of \$3.4 trillion. India's GDP to reach \$5 trillion within the next four years, aiming for nearly \$10 trillion by 2030. This fiscal expansion, according to Bloomberg, is supported by an anticipated annual GDP growth rate of 6% over the next five years, surpassing the growth rates of most large economies. The investment firm also predicts significant growth in the Indian equity markets, expecting dollar-term returns of up to 10% over the next five to seven years. (Source: -Forbes Magazine, Feb'24)

➤ **Global Polymer Outlook :** The Polymers Market size is expected to reach US\$790 billion by 2027, after growing at a CAGR of 5.5% during the forecast period 2022-2027. According to the US Bureau of Economic Analysis, the output of textile manufacturing in the US in 2019 was US\$18.79 billion which was 23.8% more than the numbers in 2009. Thus, the growth in such end-use industries is boosting its market growth. Increase in demand for Polymers in food packaging applications is providing ample growth opportunities for the industry players in near future in the Polymers industry. (Source: -Industryarc, Feb 24)

➤ **Global Polyolefins Market Outlook :** Polyolefins Market is forecast to reach around \$369.92 billion by 2030, after growing at a CAGR of 6.5% during 2024-2030. The diverse applications of polyolefins in a gamut of industries including packaging, consumer goods, and others propels the growth of Polyolefins market size during the forecast period. Whereas an increase in sales of electric and hybrid vehicles led to more

demand for vehicle and automotive parts also contribute to the market growth. This growth is driven by increasing adaptation across various end-use industries, including automotive, electronics, healthcare, wire & cable, and construction. (Source: -Industryarc, Feb 24)

➤ **SABIC foresees another challenging year for petrochemicals :** Saudi Basic Industries Corporation (SABIC) expects 2024 to be another challenging year for the global petrochemicals industry. According to their 2023 integrated annual report, global operating rates will not recover to pre-2020 levels. While the demand for petrochemicals is expected to rise slightly in Asia, growth in Europe is anticipated to be limited. Although new capacity additions are still planned, the large wave of capacity expansions will slow down in the coming years. The report highlights that capacity idling or closures by the industry seem unavoidable to increase operating rates from an all-time low. However, Polyethylene (PE), Mono Ethylene Glycol (MEG), and Polycarbonate are expected to gain some momentum this year as capacity extensions align more closely with demand growth, and operating rates will stabilize or slightly increase. (Source: -ChemOrbis, April'24)

➤ **ExxonMobil Corporate Plan more than doubles earnings potential from 2019 to 2027 :** Since 2019, solid execution of ExxonMobil's strategy has increased the earnings power of the corporation, adding about \$10 billion to its annual earnings and cash flow at a real Brent price of \$60 per barrel. These improvements provide a strong foundation to further grow annual earnings and cash flow by \$14 billion from year-end 2023 through 2027, as the company continues to reduce structural costs and improve the mix of its business by growing production from low-cost-of-supply, advantaged assets and increasing sales of high-value performance chemicals, lower-emission fuels, and performance lubricants. The company expects oil and gas production in 2024 to be about 3.8 million oil-equivalent barrels per day, rising to about 4.2 million oil-equivalent barrels per day by 2027, driven by growth in the Permian and Guyana. (Source: -Exxon Mobil Dec'23)

➤ **Tengizchevroil supports development of Kazakhstan's Petrochemical Industry :** Republic of Kazakhstan is doing an investment of 13 billion US dollars in the country's petrochemical projects. The government will provide systematic support to the industry by creating the necessary conditions. It is important, starting from the design stage, when choosing an EPC contractor, to pay special attention to

(Contd. to page 50)

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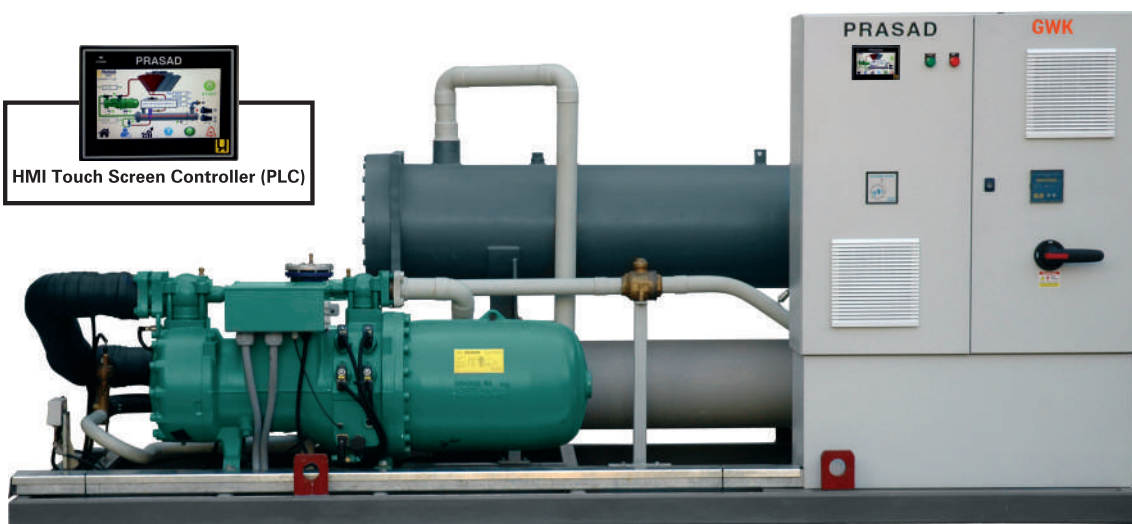
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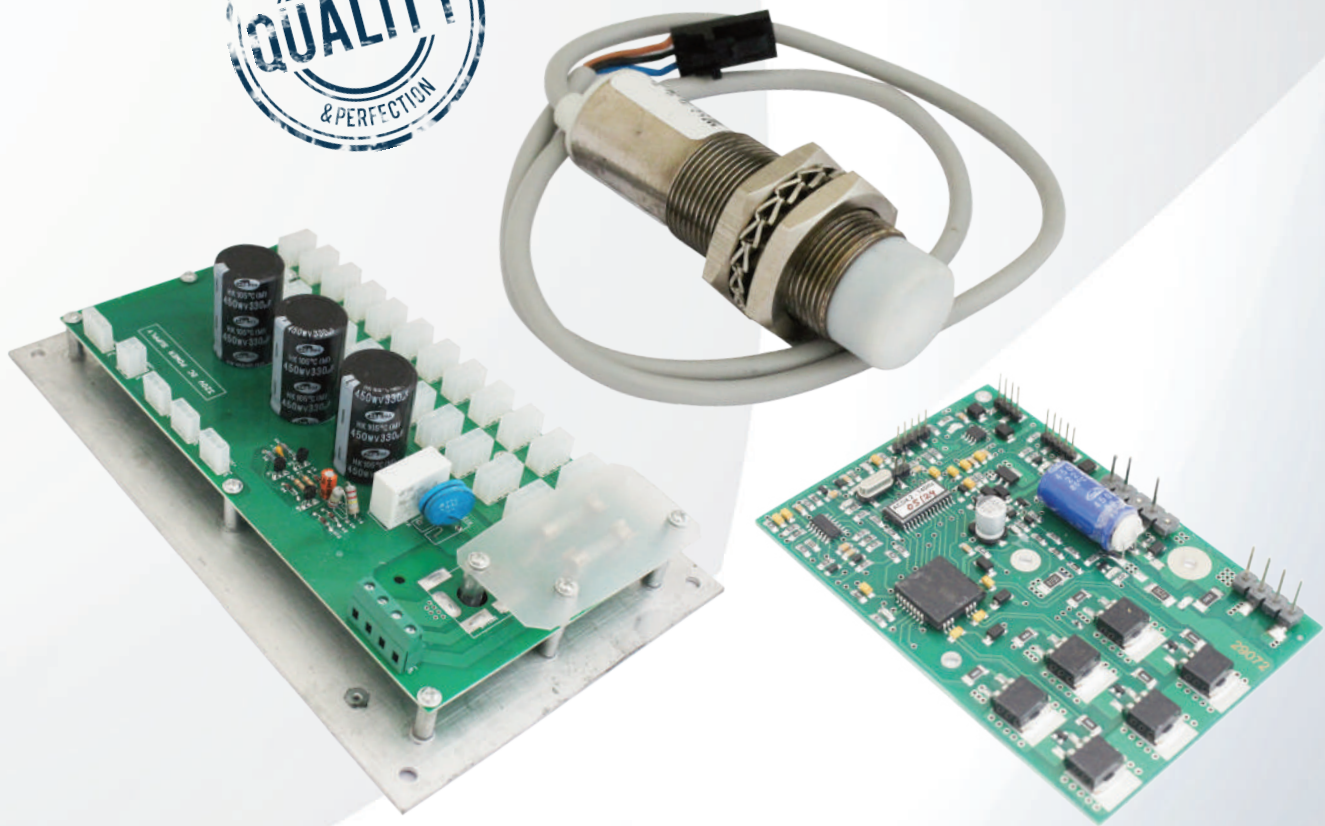
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S NO.	DESCRIPTION	REF. NO.	MODEL
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2.	DIG. RATIO / SPEED INDICATOR, RCT-224,24V AC	14071262600	PBI-02 (24 VAC, 50Hz)
3.	1P ON / OFF SSR INPUT SUPPLY 10-32V DC 50A AC51	14003505003	UNI 803 ZDA 58 50 01
4.	3P ON / OFF SSR INPUT SUPPLY 10-270V AC / DC 90A AC1	14004809000	UNI 905 3PH ZUA 48 90 02-90AMP
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		14012000600	

PS 20 & LS 20

ANALOG SENSOR



S NO.	DESCRIPTION	REF. NO.
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2.	INVERTER LS-20	11147250436
3.	POWER SUPPLY PS-20 (24 HEADS)	11147250193

(Contd. from page 46)

the Kazakh content in goods, works and services".
(Source: - TCO News Feb'24)

➤ **SABIC moves ahead with \$6.4 bil petrochemicals project in China** : SABIC, the Middle East's biggest petrochemicals producer, announced the final investment decision for its \$6.4 billion petrochemicals complex in Fujian, China. The FID will allow SABIC to move ahead with its 49%-stake partner Fujian Fuhua Gulei Petrochemical to build the project with a mixed feed steam cracker with production capacity of up to 1.8 million mt/year of ethylene, along with ethyleneglycol, polyethylene, polypropylene and polycarbonate, SABIC said in a Jan. 22 statement to the Saudi stock exchange. Construction is expected to begin in the first half of this year, with startup in the second half of 2026 to last for six months. (Source: - S&P Global Jan'24)

➤ **South Korea's LOTTE Chemical Launches New Translucent PP Compounds** : LOTTE Chemical has introduced a pioneering solution in translucent polypropylene (PP) compounds, poised to revolutionize the conventional paradigms of automotive design. This innovative product showcases exceptional characteristics, including high light transmittance and low haze, surpassing the capabilities of traditional PP compounds. It is expected to inaugurate a new era of intelligent integrated design solutions in the automotive sector, particularly amidst the industry's shift towards electric vehicles (EVs) and autonomous driving technologies. (Source: - Chemanalyst.news April'24)

➤ **Shell Chemicals and Braskem bring certified bio-attributed and bio-circular propylene to the U.S. market** : Shell Chemicals recently started to supply Braskem with bio-attributed and bio-circular propylene feedstocks, based on a mass balance approach and independently certified by a third party. Braskem will utilize such feedstocks for the manufacture of bio-attributed and bio-circular polypropylene enabling more sustainable options for growing consumer demand in the packaging, film, automotive, and consumer goods markets.

Shell is replacing hydrocarbon feedstock with a bio-attributed and bio-circular feedstock in its propylene product, which has the potential to reduce greenhouse gases and contribute to a circular economy. The recent

collaboration between Shell and Braskem in Europe, aimed at enhancing the utilization of circular content in Braskem's polypropylene production, reinforces Braskem's commitment to achieving carbon neutrality and advancing its circular economy goals by 2050. (Source: - Shell website March'24)

➤ **Sinopec Maoming Petrochemical Restarts HDPE Manufacturing Operations in China** : Sinopec Maoming Petrochemical, a subsidiary of the global energy and chemical giant Sinopec, has recently recommenced the production of high-density polyethylene (HDPE) in Guangdong province, China, following a planned maintenance shutdown. The company temporarily halted operations on this HDPE line, boasting a yearly capacity of 400 thousand tons, starting January 23 for scheduled maintenance.

In a prior announcement, it was highlighted that Sinopec Maoming Petrochemical, a subsidiary of Sinopec, resumed polypropylene (PP) production in Guangdong Province on February 21 after undergoing scheduled maintenance. The temporary closure, with an annual production capacity of 300 thousand tons of PP, took place on February 8 for planned repairs. Similarly, the HDPE production line, with a yearly capacity of 400 thousand tons, was temporarily shut down on January 23 of the current year for scheduled maintenance. (Source: - Chemanalyst.news Feb'24)

➤ **Global HDPE Market Faces Downturn in April 2024 Amid Oversupply Condition** : In initial half of April 2024, the global High-Density Polyethylene (HDPE) market experienced a downturn due to oversupply conditions. European sentiment remained unaffected by higher April contracts for HDPE, as demand decreased after a three-month uptrend. Similarly Asian market also witnessed a moderate trend amid sufficient supplies. Many Middle Eastern producers lowered their April offers.

The European HDPE prices declined by approximately 2% during H1 of April, mainly due to weak domestic demand. Manufacturers faced cost pressures from the sluggish market, making it difficult to adjust prices to cover production costs. Despite rising Ethylene costs, most suppliers reduced prices due to improved availability. HDPE prices decreased in April due to increased availability and a shift in the supply-demand balance favouring buyers. HDPE prices have been falling over the past two weeks and are now below Europe's spot ranges. This, coupled with the short month of April, may hinder sellers' attempts to recover margin losses. (Source: - Chemanalyst.news April'24)

(Contd. to page 54)

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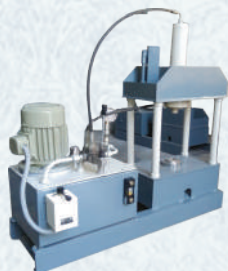
Hydraulic Bale Press For FIBC (Jumbo Bag)



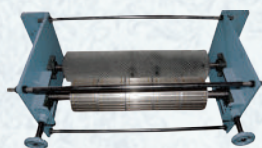
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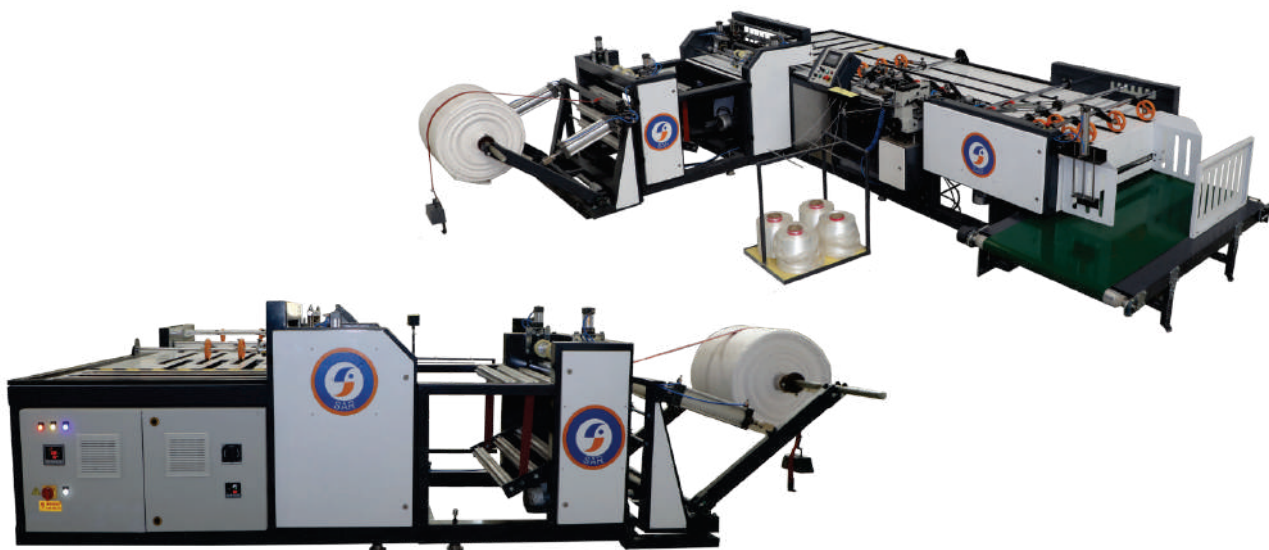
- 1.Reduction of man power working
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Machine Size (L X B X H) in MM	Mixing Capacity Kg / 15 min
1000 X 1000 X 1000	150



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2. Machines consists of web guide, unwinding unit, cutting unit, feeding unit an efficient clipper system and a sewing machine with single and double folder.
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➤ **Polypropylene Prices Gain Strength in US and Europe, MEA Sustains Stability for Late March 2024 :** In the US market for Polypropylene (PP), the last week of March 2024 witnessed a notable increase in prices, rising by approximately 1.5%. This surge was primarily fuelled by heightened demand from downstream industries, particularly as the summer season approached. Concurrently, robust purchasing activities within the country further contributed to the upward pressure on prices. However, a significant factor influencing the price hike was the surge in exports to overseas markets during this period, which bolstered a bullish trend domestically. Consequently, the average price for PP Copolymer Grade DEL Houston stood at USD 1011/MT throughout the week.

In the European PP market, significant challenges arose due to tight supply conditions exacerbated by ongoing outages and a shortage of import cargoes. (Source: - *Chemanalyst.news* April'24)

➤ **LyondellBasell Invests in Advanced Technology for Masterbatch Solutions :** LyondellBasell (LYB) has invested in bringing advanced technology for the development of the latest advancements in masterbatch solutions to the Americas, complementing the company's testing assets in Europe. The state-of-the-art KARO 5.0 laboratory stretching machine from Brückner Maschinenbau is the latest addition to the research and development capabilities offered at the LYB's technical centre in Akron, Ohio. It is expected to greatly enhance the company's ability to develop and test masterbatch solutions for various oriented film applications. (Source: - *Plastic Technology* March, 24).

➤ **Indian plastic market expected to reach Rs 10 lakh crore by fiscal 2027-28: AIPMA : Chennai:** India has the potential to emerge as a global plastic supplier and the domestic plastic market is expected to more than triple to reach Rs 10 lakh crore by 2027-28, officials said on Sunday. According to the All India Plastics Manufacturers' Association, the market size of plastics in India was Rs 3.5 lakh crore. Besides the growth of plastics in the domestic market, the shipment of the products overseas was also expected to reach Rs 1 lakh crore from the current Rs 40,000 crore. (Source: - *The Economic Times*, Aug'23)

➤ **Expansion Opportunities for Petrochemicals in India :** As India approaches a US\$ 5 trillion GDP by 2024-

25, the petrochemical and derivatives sector will become even more important, as it is the backbone of agriculture, infrastructure, manufacturing, and services. The chemical and petrochemical industries are critical to India's economic development and are projected to remain a vital engine of growth in the future. Volatile feedstock prices and sulky demand are the main drivers of this business not just in India but worldwide. The Indian Chemicals and Petrochemicals sector is currently valued at US\$ 190 billion. India is not only the world's sixth-largest chemical manufacturer and Asia's fourth, but it also exports chemicals to more than 175 nations. It accounts for 13% of the overall exports from India. (Source: - *IBEF*, Feb 24)

➤ **LyondellBasell, Shakti Plastic partner to build mechanical recycling plant in India :** Chemicals and refining company LyondellBasell, Rotterdam, The Netherlands, and Mumbai-based plastics and polymers recycler Shakti Plastic Industries have signed a memorandum of understanding to partner on a joint venture to build and operate a fully automated mechanical recycling plant in Lucknow (India), which both companies say is expected to begin operation at the end of 2024.

The companies say the plant will become the largest of its kind in the country and is intended to process postconsumer rigid packaging, producing 50 tons of recycled polyethylene (PE) and polypropylene (PP) per year, equivalent to the single-use plastic scrap produced by 12.5 million citizens (Source: - *The Financial Express* Oct)

➤ **HMEL's brownfield expansion to increase India's ethylene capacity by over 10% in FY2023-24 :** India's ethylene capacity is expected to increase by 10.5 percent in the financial year (FY) 2023-24, owing to a substantial capacity expansion undertaken by HPCL-Mittal Energy Ltd (HMEL). With petrochemical producers undertaking limited expansion, India's installed ethylene capacity is poised to stagnate thereafter. The apex industry body, the Chemicals & Petrochemicals Manufacturers Association of India (CPMA), in its latest assessment report titled 'Indian Petrochemical Industry,' estimates India's total ethylene capacity at 86.77 million tonnes per annum (MTPA) in FY2023-24 (ending March 2024), a rise from 78.53 MTPA reported in the previous year. (Source: - *Polymer Updates* Dec'23)

➤ **Indian Raffia Industry :** Indian raffia industry shows a robust growth in raffia industry, The market is expected to expand at a CAGR of 4.2% over the forecast period, 2018-2028. A massive increase in cement,

(Contd. to page 58)



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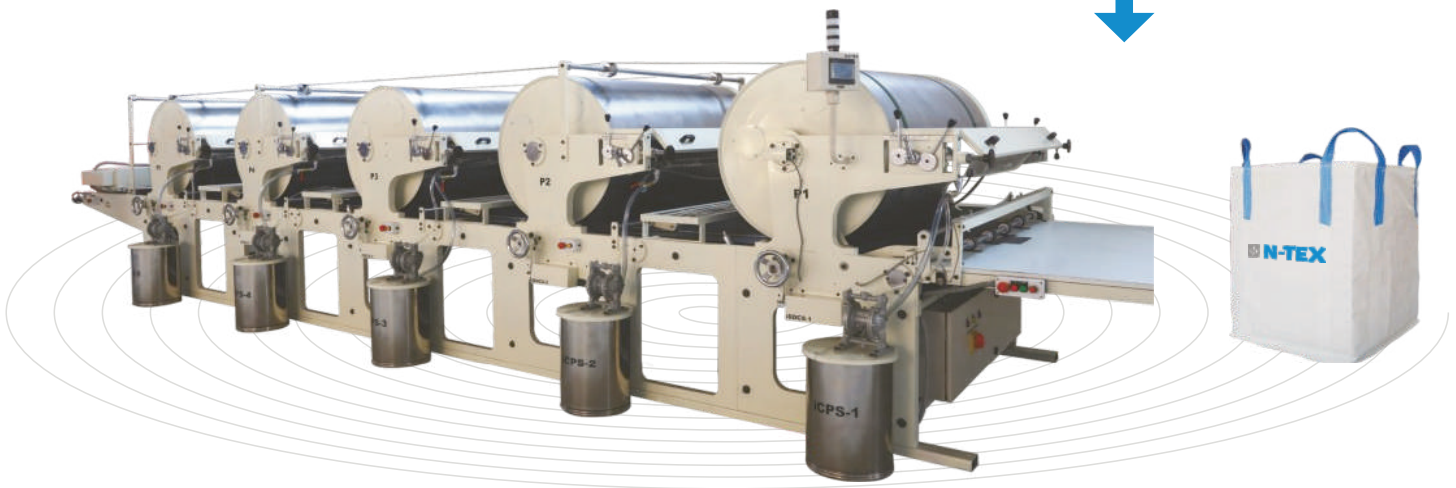
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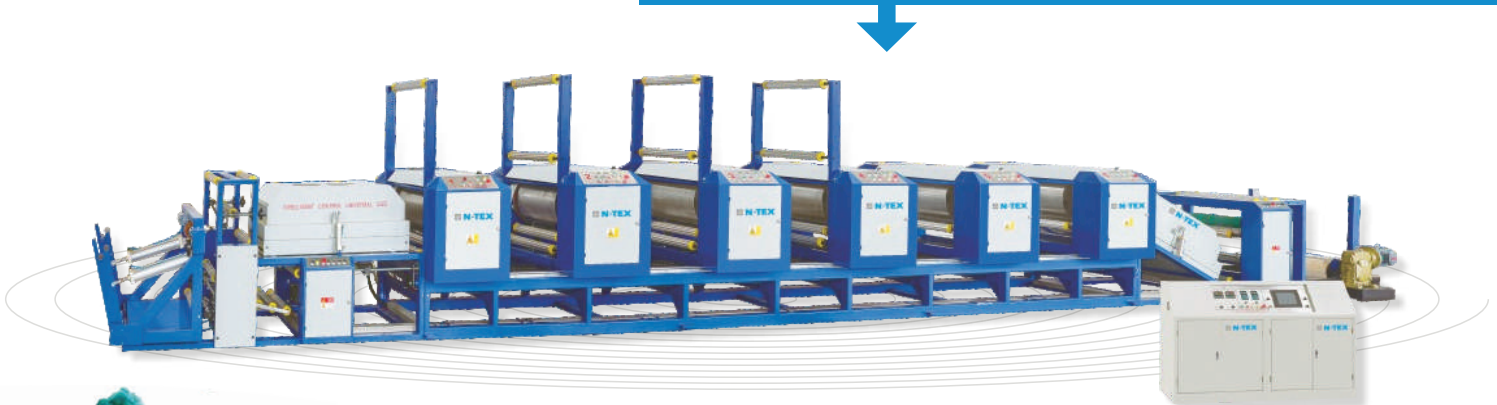
FIBC Sheetfed Flexographic Printing Machine (1 to 8 Colors)



Small Bags Flexographic Printing Machine (1 to 8 Colors)



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fertilizer and sugar sector is going to enhance the demand of PP/HDPE Raffia bag. The same is rejected in overall PP. the key applications are in cement, fertilizer, sugar & food grains. (Source: - *The Economic Times Dec 23*)

➤ **ONGC plans to invest Rs 1 lakh cr to set up 2 petrochemical plants :** India's top oil and gas producer ONGC plans to invest about Rs 1 lakh crore in setting up two petrochemical plants to convert crude oil directly into high-value chemical products as it prepares for energy transition, top company officials said on Wednesday. Crude oil, which companies like ONGC pump out from below seabed and underground reservoirs, is a primary source of energy. It is processed in oil refineries to produce petrol, diesel and jet fuel. With the world looking to transition away from fossil fuels, companies around the globe are looking at new avenues to use crude oil. Petrochemicals are chemical products derived from crude oil and used in the manufacturing of detergents, fibres (polyester, nylon, acrylic etc.), polythene and other man-made plastics. (Source: - *The Economic Times Nov'23*)

➤ **HaldiaPetchem plans \$10 billion oil-to-chemical project in south India :** The Chatterjee Group (TCG) is in talks with local and global companies to partner with its majority-owned petrochemical firm Haldia Petrochemicals Ltd (HPL) to build a more than \$10 billion project in southern India, HPL's chief executive said. The private equity firm plans to build the oil-to-chemical project, capable of producing 3.5 million metric tons per year (tpy) of ethylene and propylene, at Cuddalore in Tamil Nadu by 2company said the bottles made from 100% food-grade rPET excluding caps and labels and will drive consumer awareness on the packs. (Source: - *The Economic Times Oct'23*)

➤ **Petronet LNG outlines a Rs 20,600-cr investment to establish a petrochemical project at Hazira :** India's attempt to make the country self-reliant (aatmanirbhar Bharat) received another boost as Prime Minister Narendra Modi unveiled a petrochemical project by Petronet LNG at Dahej in Gujarat, a western Indian state. Proposed to be set up with an investment of Rs 20,600 crore, the project represents a significant expansion in India's petrochemical capacity, with the primary focus on boosting hydrogen production and augmenting polyethylene supply. The Dahej

petrochemical complex incorporates facilities for ethane and propane handling and is strategically located near an existing LNG regasification terminal. The new project is expected to result in substantial operational advantages with the speedy transportation of the captive raw materials to the downstream plants, in addition to exceptional capital expenditure savings.

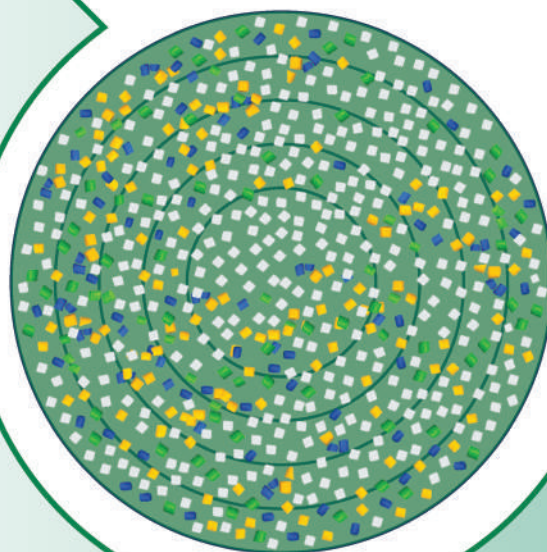
➤ **Cement Industry in India :** According to the estimate of the National Council for Cement and Building Materials (NCCBM), India's cement industry is expected to add ~80 million tonne capacity by 2051. India, with 298 million tonne (FY 2022) is the second biggest producer of cement in the world after China. It has 8 per cent of the global installed capacity in cement production². It has a total of 210 large cement plants, out of which 77 are in the states of Andhra Pradesh, Rajasthan, and Tamil Nadu. The market size of the India's cement industry was 3,644.5 million tonnes in 2022. The industry hopes to reach 4,832.6 million tonnes by 2028 at a compound annual growth rate (CAGR) of 4.94 per cent during 2023-2028. s. Healthy infrastructure growth over next 5 years led by govt push to expedite National Infrastructure Pipeline (NIP) would also lead to growth and consequent demand for PP woven sack. (Source: - *NCCBM Report Jan'24*)

➤ **Fertilizers Industry in India :** India Fertilizer Market was valued at USD 41.2 Billion in 2023 and is expected to reach USD 70.2 Billion by 2032, at a CAGR of 6.1% during the forecast period 2023 – 2032.

Fertilizer is a mixture of substances that is applied to soil or plants to provide essential nutrients for their growth and development. These nutrients include nitrogen, phosphorus, potassium, and other elements necessary for plants. (Source: - *Custom Market Insight Jan'24*)

➤ **Ministry of Environment, Forest and Climate Change :** The Ministry of Environment, Forest and Climate Change of India has recently introduced amendments to the Plastic Waste Management Rules, 2016, through the Plastic Waste Management (Amendment) Rules, 2024. These changes signify a significant effort to address plastic pollution in India, particularly by targeting microplastics and setting stricter criteria for biodegradable plastics. (Source: - *Polymer Update, Mar'24*)

➤ Bureau of Indian Standards has opined that almost all products such as polyolefin Woven Sacks have to be covered under QCO. Manufacturers have to obtain BIS license from June 2024. However, a writ filed by Cement manufactures Association has deferred the QCO implementation to September 2024.



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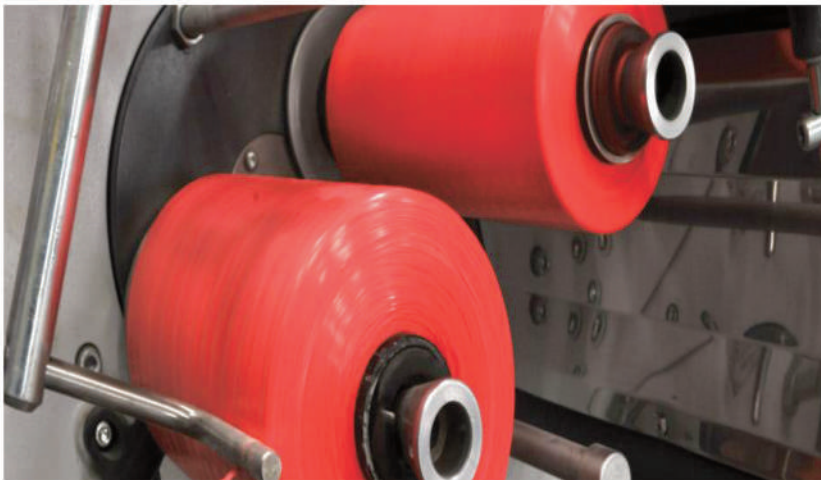
(An ISO 9001:2015 Certified Organization)

Product Detail

Cheese pipes are used in large numbers in woven sacks unit to wind/warp bobbins. This inexpensive item of often escapes the attention that is deserved while procurement.

Using our developed technology, We provide you

- ✓ Highly polished, mirror like finish inside & outside the pipe.
- ✓ Accurate Size & roundness. Inaccurate size causes slippage or seizure on the winding spindle.
- ✓ High Tensile Strength for Long Life.
- ✓ Advance Powder Coating both, inside and out side. It is usually used to create a hard finish that is tougher & thicker than different coating.
- ✓ 193 grams pipes with high tensile strength for saving power consumption and maintenance of Cheese Winder.



Contact Detail

☎ +91 98310 29551 / 98316 32512

✉ sachin@skeco.in,
s_k_enterprises@yahoo.com

🌐 www.skeco.co.in

📍 11, Kishan Lal Burman Road, Hanuman Tower
Bandhaghat Howrah 711106 (WB) India

Company Detail

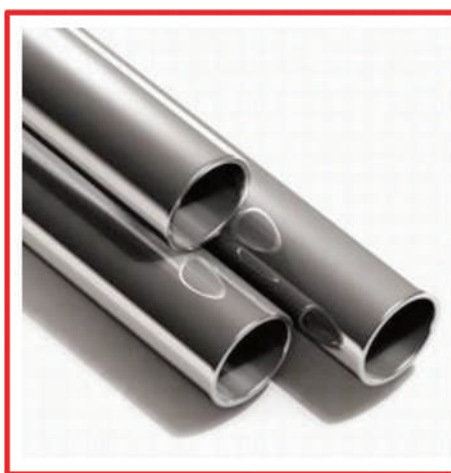
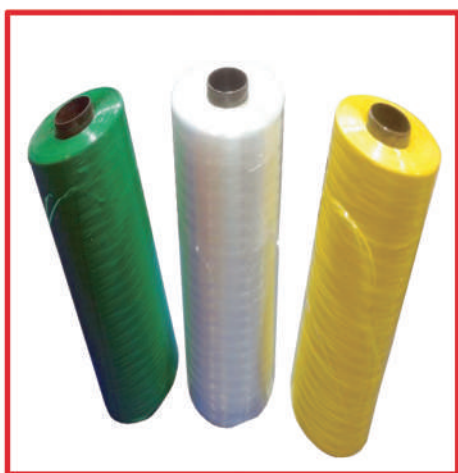
S.K. Group was promoted by Late Sitaram Agarwal. The company was setup in 1986 at Kolkata, initial emphasis on manufacturing Cheese pipe. We are pleased to introduce Ourselves that we are leading manufacturer and exporter of **SK Brand Cheese pipe**. Technology, Quality, Innovation and Customer satisfaction are the four pillars of SK philosophy. We have been an established and popular company with an excellent track record for the best customer satisfaction. We have never compromised on the quality and the services provided to the customer. We believe in keeping the customers happy and providing them with products at a very competent price. We have an excellent staffs who will guide you with their best ideas by keeping in constant touch with your company and informing about the market trends.

We assure you peace of mind in terms of **Quality Products, Competitive Rates & Best Service** while dealing with us

Points To Keep In Mind Before Procurement Of Cheese Pipe. (Depends Upon Winder)

- 1) **Weight:** Should be between 195 gms to 280 gms per pc. (appx)
- 2) **Inner Dia:** Must be finished smooth & must be accurate in size & roundness. Inaccurate size and welding projection causes slippage or seizure on the winding spindle. It also causes damage to the holder components.
- 3) **Thickness:** should be that it gives optimum strength to pipe. Usually 1 mm to 1.5 mm thickness pipe is adequate.
- 4) **Strength:** The cheese pipe is subjected to high loop stress during winding and storage. The stress is due to two factors, the winding tension & the shrinkage tension. The adjustment of the cheese winder controls the winding tension and the latter is control by stabilizing adjustment of the tape plant. It is necessary to know in details the roles played by both kinds of tensions in the event of failure of pipe.

Grade	Description	Outer Dia. (mm)	Inner Dia. (mm)	Length (mm)	Weight (grams) ± 5grams	Tensile Strength		
						Mpa.	Vpn.	Kgs/m m ²
H	High Tensile Cheese Bobbins	37	35	218	195	529	167	54
H Supreme	High Tensile Cheese Bobbins	37	35	218	195	1362	431	139
H power	High Tensile Cheese Bobbins	38	35	218	260	578	183	59
H power Supreme	High Tensile Cheese Bobbins	38	35	218	260	784	248	80
H Lit	High Tensile Cheese Bobbins	36.8	35	218	160	1558	493	159



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Low Power Consumption
Mirror Like Inner Finish
Friendly Handling
Black Coating
Super Enamel
Available in Black or Plain

H- 195 ± 5 Grams

Cost Effective
Mirror Like Finish
Light Weight
Available in Black or Plain

H- lit 160 ± 5 Gramas

High Tensile Strength
Low Weight
Low Power Consumption
Super Enamel
Mirror Like Inner Finish
Steel Pipe of Aluminum
Weight

H- Power 260 ± 5Grams

In Build Strength
Cost Effective
Steel Surfaced OD



Edge Hardened Steel Cheese Tubes

**HIGH STRENGTH AREA
WITH REQUIRED DUCTILITY**
(Resistance to compression)



SUPER HIGH STRENGTH AREA
(Resistance to Impact)



ADVANTAGES

- Provides resistance to deformation/dents due to handling.
- Life of the cheese pipe is improved.
- Cost of lifting the dents and removing deformation is avoided.
- The 'Per Cycle Cost' of cheese pipe is drastically reduced.

Size
37mm x 35mm x 218mm

A Lean Enterprise

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ISO 14001:2015



EN 9100:2018

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Model No.

6ND- 30
8ND- 30
4ND- 50
6ND- 50
8ND- 50
4ND- 75
4ND- 85
2ND-100
4ND-100
2ND-110
4ND-110
2ND-150
SD-608N
SD-212N



PRODUCT RANGE

- | | |
|---------------------------|-----------------|
| ★ Belt for FIBC Bags | ★ Zipper Tapes |
| ★ P.P. Tapes | ★ Elastic Bands |
| ★ HDPE Monofilament Niwar | ★ Cotton Tapes |
| ★ Fancy Niwar | ★ Cotton Niwar |



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Ahmedabad, Gujarat. (India)

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Phone : 91- 079 - 2589 2266 - 6525 6453 Mobile : +91 98240 39000, +91 9727 393939
E-mail : jayesh@amtrac.in • info@amtrac.in Web.: [http : // www.amtrac.in](http://www.amtrac.in)

Exporter :



Amtrac
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ISO 9001:2015



Fabric Cutting Machine



Belt Cutting Machine



Baffal Punch Machine



Bag Cleaning Machine



Bale Press



Testing Rig Machine



Printing Machine



Strapex (Handle Wrapping)



Liner Opener Machine

SINCE : 1982



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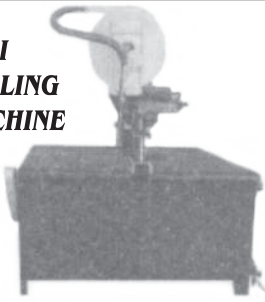
TARPAULIN SEALING MACHINES

Manufacturers of :

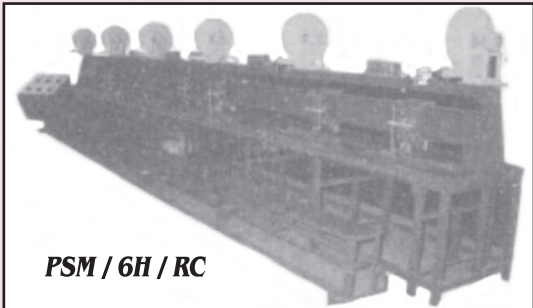
POLY TARPAULIN PNEUMATIC SEALING MACHINES

(Ranges : Single head to 6 heads)

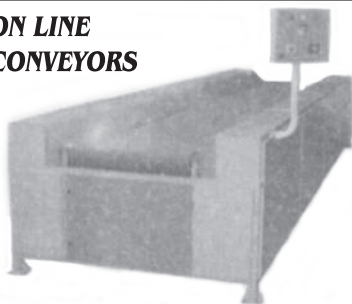
**MINI
SEALING
MACHINE**



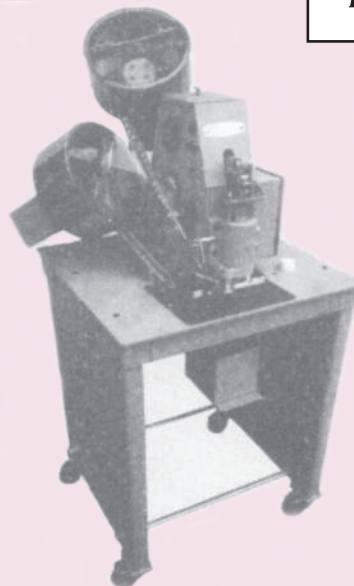
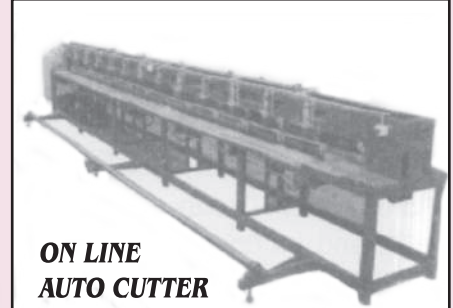
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CONVEYORS**



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Fully Automatic Punching and Pressing Machine for Eyelet

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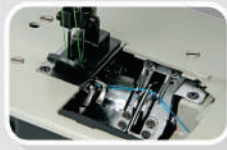
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AS - 102 HS (YARN Stitching)

- High Speed, Flat Bed - Double Needle - Four Thread,
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- High Speed - Flat Bed - Double Needle - Four Thread
- Chain Stitch Sewing Machine.
- For Auto Bag Conversion Line.
- Specially Designed For HDPE Tape Stitching.

NOTE: "AS-102 HS" & "BS-5200" can be installed on Conversion Lines of LOHIA, INNOVA etc. (Replacement of New Long "DKN-3W")

PP/HDPE WOVEN SACK SEWING MACHINE



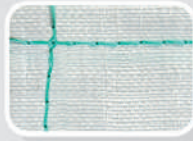
AS - 502 HD

- Double Needle
- Four Thread
- Chain Stitch
- High Speed Sewing Machine



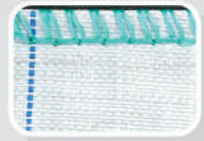
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FIBC / JUMBO BAG SEWING MACHINE



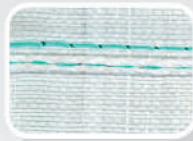
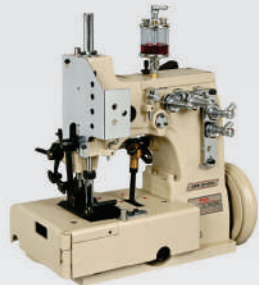
AS - 603 DR

- Single Needle - Plain Feed - Double Thread
- Double Locked Chain Stitch Sewing Machine



AS - 602 HR

- Single Needle - Plain Feed - Flat Bed - Double Thread
- Over seaming (Hiracle) Sewing Machine



AS - 606 UDDR

- Double Needle - Four Thread - Double Locked Heavy Duty Chain Stitch Sewing Machine with Lower feed & Alternating Upper feed.



AS - 802 VMC

- Double Needle - Four Thread - Chain Stitch
- High Speed Sewing Machine. For, SPOUT or SKIRT attachment.



AS - 902 HUF

- Double Needle - Four Thread - Chain Stitch Sewing Machine with Lower Feed & Alternating Upper Feed



Baffle Sewing

AS - 1002 LA

- Double Needle - Four Thread - Long Arm Chain Stitch
- Sewing Machine with Lower Feed & Alternating Upper Feed
- Specially Designed for Baffle Attachment of Container Bags.



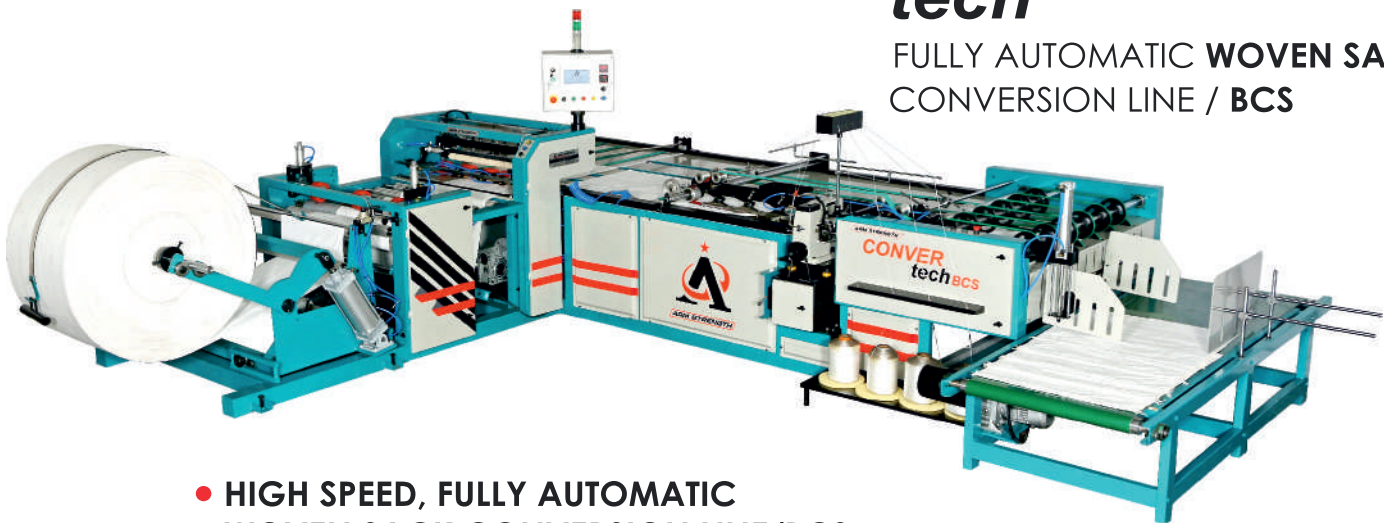
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CONVER **tech**

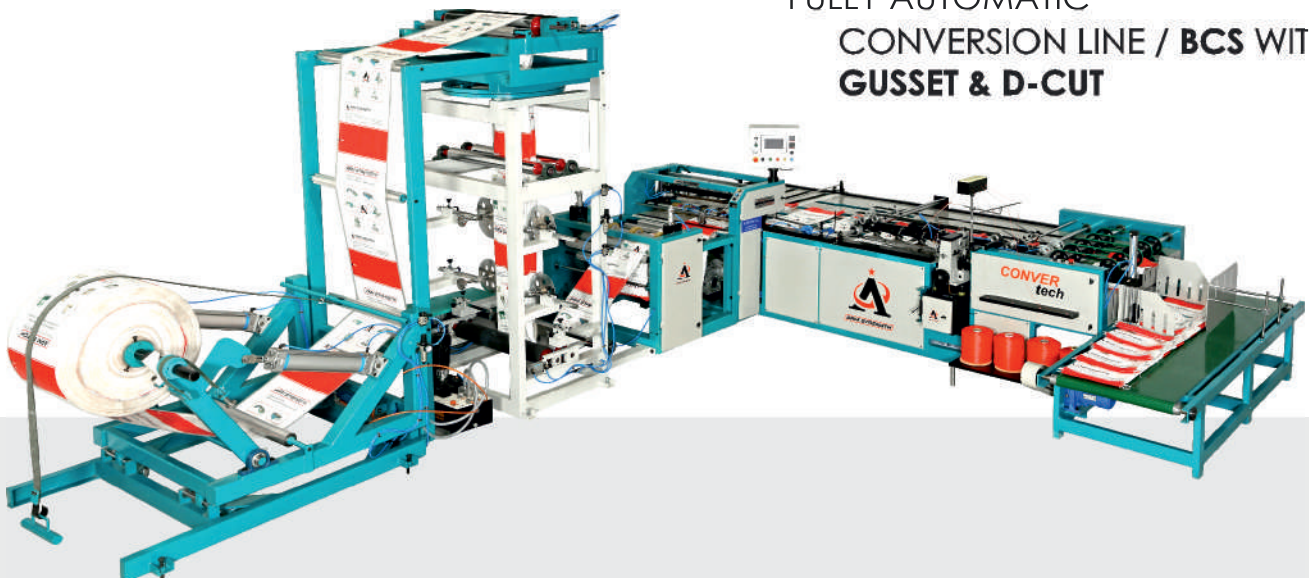
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CONVERSION LINE / **BCS**



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- TO CUT, FOLD, SEW & STACK PP/HDPE LAMINATED/UNLAMINATED FABRIC.
- IT CONVERTS TUBULAR FABRIC INTO BAGS.

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CONVERSION LINE / **BCS** WITH
GUSSET & D-CUT





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FEATURES :-

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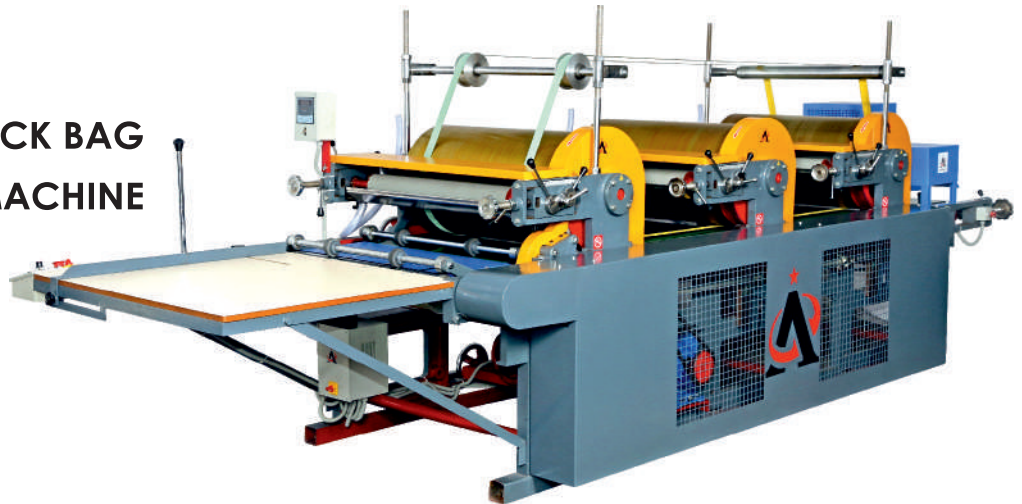




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WOVEN SACKS & FIBC MACHINERIES

**WOVEN SACK BAG
PRINTING MACHINE**



Model : **FCM - COMBO**

Auto Fabric Cutting Machine
For **Woven Sack Industry**



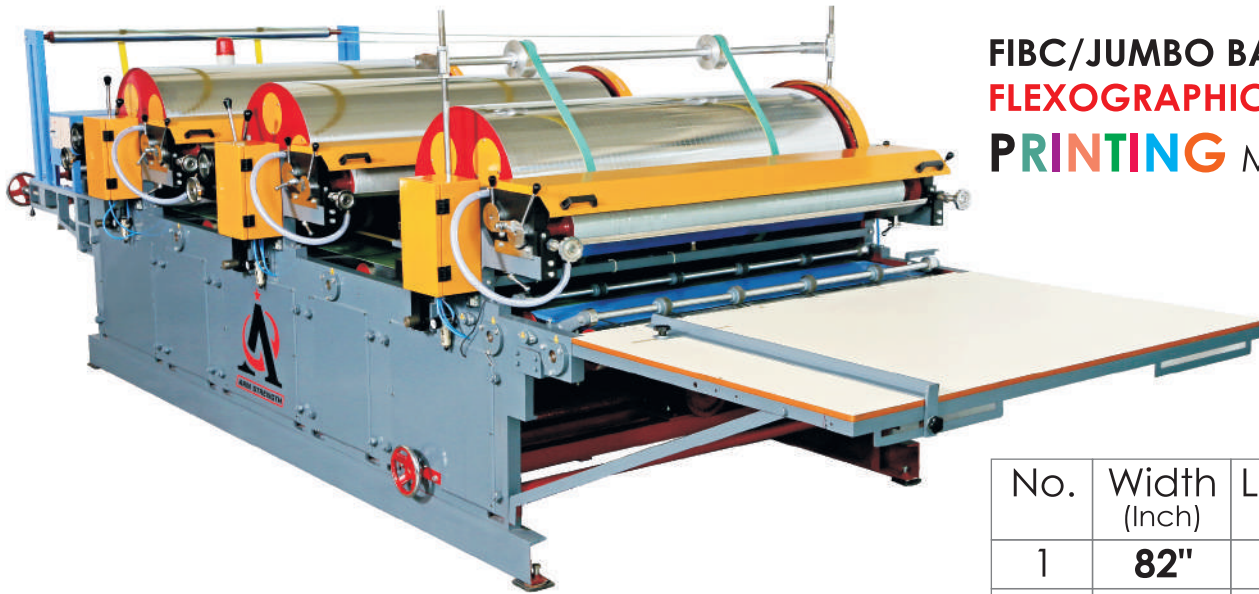
Model : **R2R/T**
(Roll 2 Roll Twist Gusset Machine)





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**FIBC/JUMBO BAG
FLEXOGRAPHIC
PRINTING MACHINE**

No.	Width (Inch)	Length (Inch)
1	82"	110"
2	72"	82"
3	62"	82"
4	52"	82"
5	52"	72"
6	44"	52"

Model : **JFCM-1400**
JFCM-2200

Auto Fabric Cutting Machine
with Spout for
Jumbo Bag / FIBC Industry



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Flexo printing machine,
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Special Design For Multicolour Logo Print For Fertilizer

Speed
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To Print on Special Products :

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- > Multicolor Special Printing
- > Fertilizer Bags
- > Cement Bags
- > Flour Bags
- > Sugar Bags
- > PP, LD, HM Photogenic Printing Bags
- > Laminated or Unlaminated

FEATURES

- > Choice of printing both sides in 5+1, 4+2, 3+3 colour combinations.
- > A turret un-winder with facility to run the machine without stopping, while loading fabric rolls and unloading empty core
- > A surface winder, with provision to run the machine without stopping, while changing the wound fabric roll and placing fresh core.
- > An Edge Guiding System, with Ultrasonic Edge Sensor and Electric Actuator.
- > Chamber Doctor Blade System, with Ink Circulation System, shall be offered for all the stations, in lieu of Ink Roller System (Option)
- > Ceramic Anilox rollers with cells arranged at 200 to 300 lpi, with Special Mountings for Quick Changing (Option)
- > Tension Control System.
- > Page registration control adjustable manually to move the print drum radially.
- > Print drum Axial adjustment required using a hand wheel to adjust the printing location axially marginally. (for about 30 to 40 mm)
- > Hot air blower system, for drying the ink.
- > Main motor with VFD and control panel to have all the controls in a HMI panel, with running hours meter and Energy meter.
- > The working width shall be 850mm and the machine speed shall be 100m/min, with a maximum repeat length of 1200mm. The Stereo Roller Mountings shall be with quick release provisions, to facilitate easy changing of Stereo Cylinders.
- > Two Air Shafts to mount 75mm cores for the Unwinding side and Two Air Shafts of the same core size, for the Winding Side shall also be provided (Option)
- > 1 Ton Electric Rope Hoist, mainly for lifting print drums on both sides.
- > Static Discharge Provision & Corona Treater to provide up to 42 Dynes Treatment (Option)

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A Big Amount of woven sacks is produced with coating, because coated sacks provide better protection of the contents from dust and moisture. also, gives better printability.

Our Next Generation ***lamiRex*** Series offers high-level coating and laminating lines designed for the needs of woven fabric coating, the machine offers outstanding flexibility and allows for coating or sandwich-laminating of a wide range of substrates such as woven fabric of PP or PE, paper, BOPP film and nonwoven. Because of its double wide layout, tubular fabrics are coated on both sides in one go.

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Redefining
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Lower Energy Consumption



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Uniform Coating



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Auto Changeover



High Speed Working



Most Efficient Operation

Working speed
upto 200 m/min

Working Width
upto 4000 mm

Melting Capacity
upto 600 kg/hr



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Welcome New Members

*The following organizations have become new members of our Association.
The President and Managing Committee extend warm welcome to new members.*

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S.F. No. 47/1B, Gangapuram, Chithode, Erode - 638102, TAMIL NADU

Mr. G. Kabilan – 97887 71333

E-mail: info@seyyon.in

M/s. ANYA POLYTECH FERTILIZERS LIMITED

S2-Level, Block-E, International Trade Tower, Nehru Place, NEW DELHI - 110019

Mr. Yashpal Singh Yadav – 74082 22999

E-mail: yash@apfl.in, 07.yash@gmail.com, virendrasingh@apfl.in

M/s. FIVE FINGERS EXPORTS INDIA PVT. LTD.

No.448, Vellalore Road, Vellalore, Coimbatore - 641005, TAMIL NADU

Mr. K. P. Arun Kumar – 95006 17638

E-mail: ceo@fivefingersexports.com

M/s. PLASCOM INDUSTRIES LLP

Shed No. D21-ABC, C2-CD, C2-A, C1-CD, C1-AB, B5-AB, AIIDC Industrial Area
Rani, P.O-Rani, District:Kamrup, Guwahati - 781131, ASSAM

Mr. Prateek Agarwal – 97480 00399

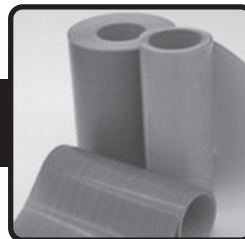
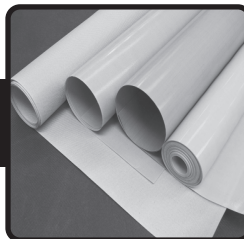
E-mail: pagarwal@plascom.in, apoddar@plascom.in

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E mail : padmcorpn@gmail.com | **Web :** www.padmcorpn.com

Mo. : +91-9978996409 / +91-9879596409

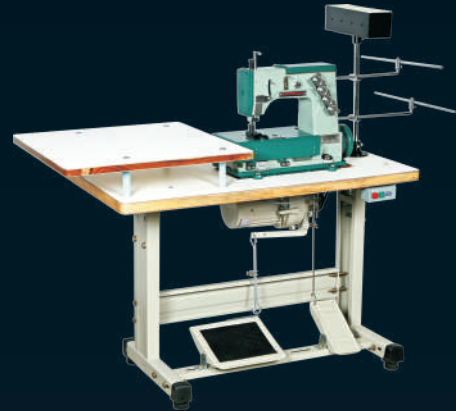
Sewing Machines For HDPE Woven Sacks Bags



ST - 502 HD

Double Needle, Four Thread,
Chain Stitch Sewing Machine

Application :
PP, HDPE, Woven Sacks
Bag Stitching Machine.



Sewing Machines for Big Bags (FIBC)



ST - 6001 SUF

Double Needle, Four Thread,
Combined Overedging
& Chain Stitch (Safety Stitch)
Sewing Machine
with Lower Feed &
Alternating Upper Feed



ST - 6006 UDDR

Double Needle, Four Thread,
Chain Stitch Machine
with Upper and Lower Feed



ST - 802 VMC

Two Needle, Four Thread
High Speed
Sewing Machine



ST- 603 DR

Single Needle,
Plain feed
Double Thread,
Double Locked
Chain Stitch
Sewing Machine.



Belt Cutting Machine

Specifications :

- ◆ Belt Width : Adjustable from 45 mm to 100 mm.
- ◆ Machine Speed : 15 meters /min.
- ◆ Drive : Servo Motor.
- ◆ Power : Single Phase 1 H.P.
- ◆ Cutting Mechanism : By Hot Blade.
- ◆ Marking System : Contact Marking Ink.
- ◆ Air Pressure : 3 kg/cm².
- ◆ Man Power Required : Single Person.
- ◆ Belt Width : 35 mm - 8 Line, 45 mm - 8 Line,
55 mm - 8 Line, 75 mm - 4 Line,
100 mm - 4 Line, 50 mm - 8 Line,



ASH TECH

Automatic Belt Cutting with
Marking System For FIBC &
other Belt Material



Manufacturer & Exporter :

Gabbar Engineering Co.

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Gujarat, INDIA.

Phone : 91 - 79 - 2583 0971
Mobile : +91 98240 62000 (Umesh Panchal)
E-mail : umesh@gabbar.com
Website : <http://www.gabbar.com>



ISO 9001:2015 certified

VALVE TRAB & POLYAMIDE BLOCK



S NO.	DESCRIPTION	REF. NO.
1.	VALVE TRAB CLASS 'C' 230VAC PHOENIX MS 230 ST	14082300000
2.	VALVE TRAB W BASE CI 'C' 230V COMB 3P+N	14082301000
3.	VALVE TRAB PLUG NEUTRAL CL 'C' PHOENIX FMS12ST	14082301001
4.	POLYAMIDE TERMINAL BLOCK 80A	14716080690

RELAY (REVO)

ROPE WIRE SWITCH



S NO.	DESCRIPTION	REF. NO.
1.	THYRISTOR CONTROL 4-20mA 90A CD RS2090-44A40F2021	14007709020
2.	THYRISTOR CONTROL 4-20mA 120A CD RS2-120-44A40F2021	14007712020
3.	ROPE WIRE SWITCH 1NO+11NC TOP ACTUATED	14070329000

CO-EXTRUSION LAMINATION

(RANGE 1600 MM TO 6000 MM)

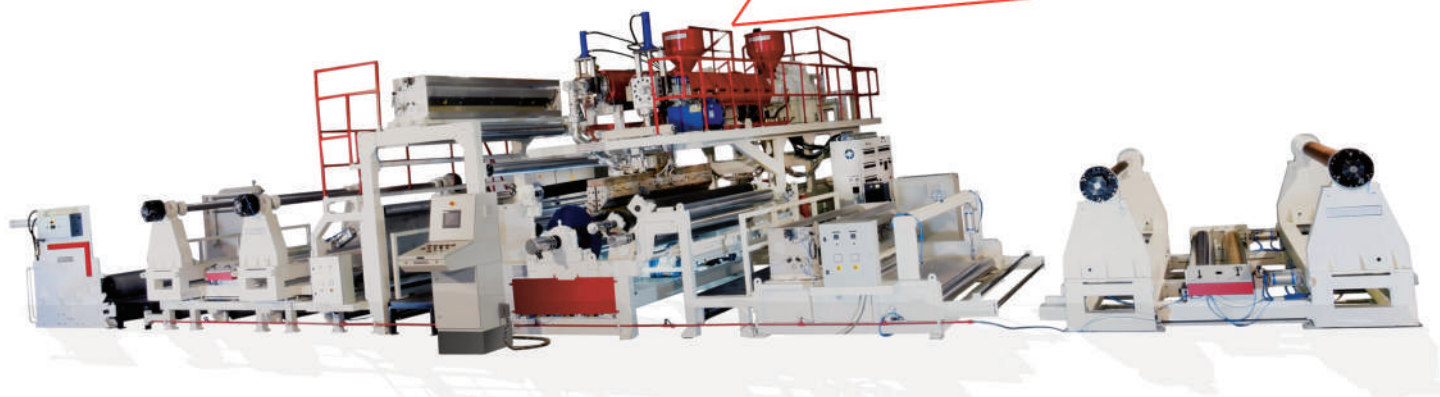
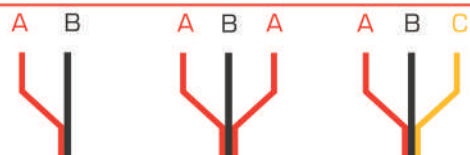


ILLUSTRATION OF STRUCTURE OF DISTRIBUTION



Application of Co-Extrusion Lamination

POND LINING



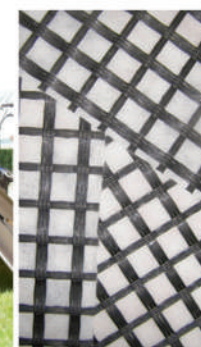
CANAL LINING

ROOF UNDERLAYMEN



CARGO COVER IN TRUCK

TARPAULIN TENT

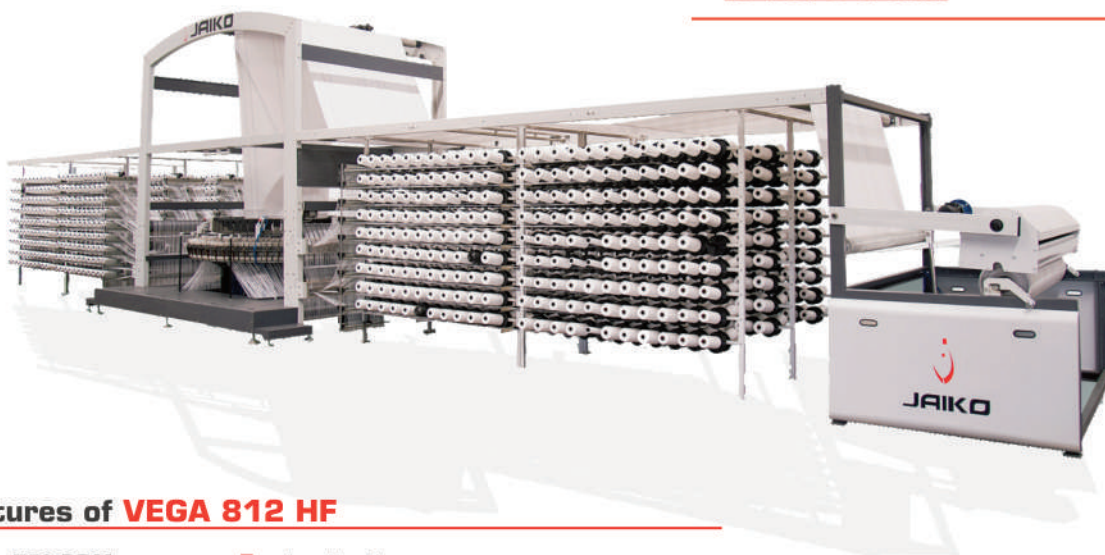


GEOTEXTILE MEMBRANE

LUMBER WRAP

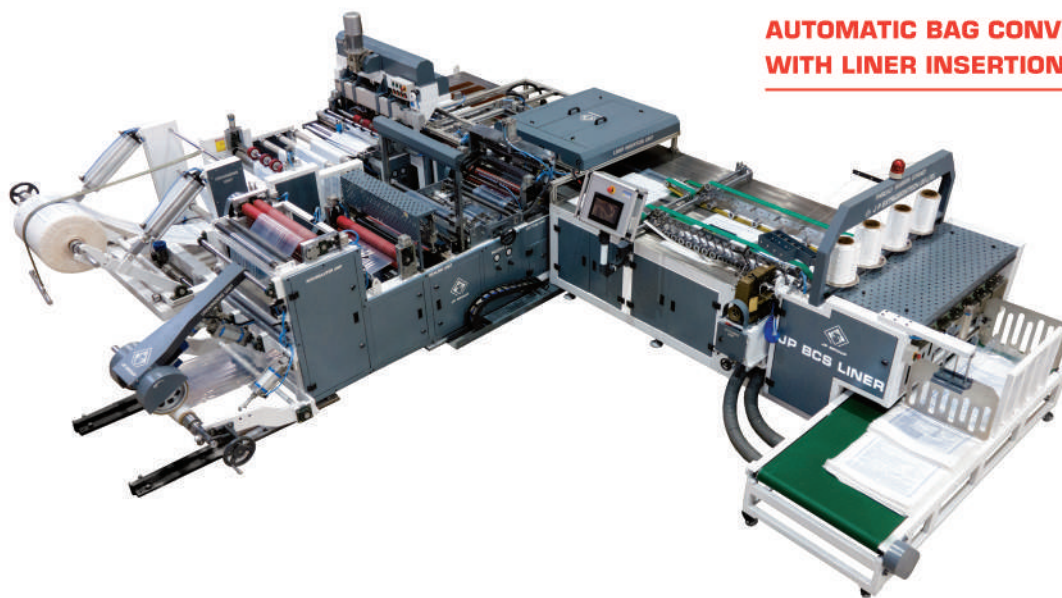


CIRCULAR WEAVING MACHINE **VEGA 812 HF**



Salient Features of **VEGA 812 HF**

- Speed up to 750 PPM
- Working Width up to 200 cm
- High efficiency
- Excellent weaving quality
- Applications-
FIBC's, Tarpaulin, Geotextiles and Agro Textiles



AUTOMATIC BAG CONVERSION LINE WITH LINER INSERTION

Salient Features of : **JP BCL 850LI**

- Production speed (Bags/min)
 - 25 to 30 Bags/min (Liner Mode)
 - Upto 35 Bags/min (BCS Mode)
- Fabric Width : 475 mm to 700 mm
- Liner Width : 500 mm to 720 mm
- Applications : For packaging of salt sugar, fertilisers, chemicals, minerals etc .



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No.1 Choice of Raffia Industry in India

Salient features

- Gravimetric Blender with ERP software
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- Zero maintenance MOC, SS-304
- Patented easy cleaning system
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- Uniform quality consistency
- Best plant aesthetics optimum space utilisation
- Return on investment less than 1 year



Gravimix with
Inline Drying



Central Drying &
Conveying



Gravimix Floor
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GSM control for
Extrusion Lamination



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Joint venture with **Ferlin** B.V of the Netherlands

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