



MPIL Factory :

PAB Road, Char Patharghata,
Karnaphuli, Chattogram.

Corporate Office:

KK Tower (4th Floor), 1485/A, CDA Avenue,
Sholosahor C/A, Chattogram-4203, Bangladesh.

Tel : +88 0241355593-94

MSL Factory:

Zone# 06, Bangabandhu Sheikh Mujib
Shilpa Nagar, Mirsarai, Chattogram.

Dhaka Office:

13, Tejkunipara, Farmgate Bus stop,
Farmgate, Dhaka-1215.

Cell : 01713-079106

Web: www.modernbd.org



POLYRON



MODERN SYNTEX LIMITED
MODERN POLY INDUSTRIES LIMITED

CONTENTS

- 01 | About Modern Group
- 02 | Philosophy of Management
- 03 | The Company
- 04 | Product Variety of Modern
- 05 | Quality Assurance System

About Modern

Modern, boasting three decades of experience, is a well-established and diversified manufacturing conglomerate. The company spans multiple sectors, encompassing Polyester Filament yarn, Composite Knitting, Dyeing, Printing & Finishing, Petrochemical, and the Shrimp Hatchery industry.

Modern places strong emphasis on a corporate governance culture, demonstrating its dedication to ethical and responsible business practices. This commitment is essential for building trust with stakeholders and ensuring enduring success.

With a proactive approach, **Modern** eagerly seeks to broaden its industry coverage and potential by exploring new opportunities and markets for growth. The presence of a proficient management team underscores Modern's commitment to expertise and leadership within its operating industries.

Mission

To steadfastly uphold our promises and connect with the valued consumers by demonstrating our commitment through actions, not mere words.

Vision

Leadership in Polyester Yarn Business: We are committed to maintaining our leadership position in the Polyester Yarn Business. This entails staying ahead of industry trends and consistently offering top-quality products and services.

Customer Satisfaction: Customer satisfaction is at the heart of our mission. We prioritize the needs and expectations of our customers, aiming to exceed their satisfaction at every interaction.

Continuous Innovation: We are dedicated to an ongoing process of innovation. This involves the continual enhancement of our processes, products, and services to ensure that we remain at the forefront of our industry.

Core Values

- Ethics
- Chasing challenges and success
- Collaboration
- Governance
- Act with ownership





Philosophy of Management

The company has attained its current position through deliberate and strenuous effort. Regarding the overarching business trend, it consistently upholds a robust business plan and crafts its own narrative of success. In light of its experiences, it has pinpointed the following elements as the central focus of its business strategy.

Process Philosophy:

- Best Raw Material
- World class Plant and Machinery
- Skilled People
- Scientific Process Control
- Strong quality control based on voice of customer
- Excellent and competitive product.

Business Strategy

- Sales in conformity with global market demand
- Assurance of quality
- Good pricing policy
- Efficient technical know how
- Keep business commitment
- Service oriented attitude
- Innovation in new product plan
- Intention to explore new market opportunities

Modern Poly Industries Limited (MPIL)

To partner in the global journey of creating alternatives to natural resources, Modern Poly Industries Limited was launched in 2002.

- ▶ Combining customer confidence, the hard work of employees, and entrepreneurs' dreams, it has become the leading Polyester Filament Yarn Manufacturer in Bangladesh.
- ▶ Today, in the field of polyester yarn in Bangladesh, Modern Poly Industries Limited has an impeccable position with the flagship brand "Polyron".
- ▶ Manufacturing according to market demand, incorporation of state-of-the-art technology, recruitment of skilled workforce, maintaining international quality standards, participation of buyers in profit and loss and above all, business integrity are the keys to today's success.
- ▶ Produces POY, FDY, DTY and ACY in both raw white and dope dyed variants using virgin chips as well as recycled chips meeting international standards under the brand Polyron with a capacity of 36000 Tons per annum.



Modern Syntex Limited (MSL)



Modern Syntex has made a significant investment in the production of polyester to cater to the growing demand from global consumers who are transitioning from cotton to synthetic fabrics. The manufacturing facility, covering 20 acres in Bangabandhu Sheikh Mujib Shilpa Nagar, has enlisted Oerlikon Barmag of Germany as the contractor responsible for supplying equipment and establishing the plant. The facility is set to manufacture four distinct product types, including polyester draw textured yarn (DTY), polyester fully drawn yarn (FDY), polyester staple fiber (PSF), and polyethylene terephthalate (PET) chips. These products will provide essential support to the ready-made garment, footwear, and vehicle manufacturing industries. The project

aims for an overall production capacity of 460 Tons Per Day ("TPD"). Notably, it will introduce two new product lines: PSF and Chips, with the latter serving as a raw material for MPIL's existing production processes.

Product Variety of Modern

Yarn Type	Luster & Shade	Denier Range	Filament Range	Production Capacity (TPA)	Chips
DTY	Semi Dull, Full Dull, Super Bright, Dope Dyed, Melange.	30 to 1200	24 to 384	62000	Virgin, Recycled and Cationic
ACY	Semi Dull, Full Dull, Super Bright, Dope Dyed, Melange.	50+20 to 450+70	36 to 288	2880	Virgin and Recycled
FDY	Semi Dull, Super Bright, & Dope Dyed.	40 to 600	24 to 144	18000	Virgin



Polyester Stable Fiber (PSF)

PSF Production capacity (TPA)	PSF denier range
81000	0.9 to 1.4 Den
Cut length (mm)	Tenacity (gm/den)
32 and 38	5.0 to 8.0

Polyethylene Terephthalate (PET)

Chips luster	Production capacity (TPA)	Chips grade	Chips shape
Semi Dull	72000	Textile	Cylindrical.
Chips size (mm) (L*W*H)		Application	
3.3*3.0*2.4 (+/-3%)		PET chips are used in the production of POY, DTY, FDY and PSF.	



Notes

- ▶ All above yarns can be provided APEO / NPEO FREE.
- ▶ Modern Group is giving Equal length of DTY & FDY packages for its esteemed customers who uses these packages for their premium products in Circular and Warp knitting.
- ▶ All above yarns are made in Bangladesh and produced out of World's latest European/ Japanese/ Indian Technology.
- ▶ All above yarns can be given guarantee of Uniform dyeability.
- ▶ On request, further more variety of Functional Specialty can be offered on the top of above yarn.
- ▶ Any color as per customer requirement can be developed.
- ▶ Minimum order quantity is assured commitment (can be with staggered delivery) of 20 MT for any new item.
- ▶ Customized product for specific application can be developed.



Quality Assurance System

- ▶ We take great pride in our commitment to delivering high quality polyester yarn products. Our stringent quality assurance system ensures that every inch of our yarn meets the highest industry standards. We believe in the importance of transparency, reliability and customer satisfaction which is why we implement the lot of quality assurance practices and test procedures.
- ▶ MPIL & MSL are having very sophisticated and precise testing instruments to give quality assurance to all its customers.
- ▶ We are having tensile tester, StatimatME+ from Textechno, Germany (Computer controlled system) and Tomsic of Italy to do tensile property analysis.
- ▶ We have invested in the Dynafiland DTI-600 Draw Force testing machines - cutting-edge tools that enables us to accurately measure the draw force of our yarn. This state-of-the-art instrument helps us assess the dye affinity of the yarn, ensuring optimal performance and color consistency.
- ▶ Digital and computerized yarn crimp and shrinkage tester from Textechno.
- ▶ NMR Technology based Instrument for automatic Oil pick up tester from Lenzing.
- ▶ Favimat+ machine from Textechno Germany for analyze the PSF properties.
- ▶ We are also having Yarn Evenness Tester from Japan (Computer control system) for yarn evenness testing and analysis.
- ▶ Having chemical and physical laboratory for testing of raw materials till finished goods for maintaining consistent quality of finished goods.
- ▶ When you choose MPIL and MSL yarn, you can rest assured that you are investing in polyester yarn of the highest quality. Our comprehensive quality assurance system ensures that our products consistently exceed expectations making us a trusted partner for all your polyester yarn needs.
- ▶ We have a very strong and technically capable Process control team for continuous monitoring of all process parameters to deliver the best quality products to our valued customers.

Quality Assurance System

Raw Material Test

- ✓ PTA Quality test
- ✓ MEG Quality test,
- ✓ Additives Quality test
- ✓ Auxiliary Quality test
- ✓ Catalyst & TiO₂ test.
- ✓ PET Chips (IV & End Gr.)
- ✓ Coning oil.
- ✓ Spin Finish oil.
- ✓ Water analysis.
- ✓ Packing materials test.
- ✓ Paper tube test
- ✓ Corrugated box test.

PSF Quality Test

- ✓ Liner density (Denier)
- ✓ Fibre Length
- ✓ Elongation%
- ✓ Strength (Tenacity)
- ✓ Crimp Number
- ✓ Crimp Amplitude
- ✓ Crimp Stability
- ✓ Crimp Force
- ✓ Remaining Crimp
- ✓ Spin Finish content
- ✓ Dye affinity test
- ✓ Fibre to metal friction property test

Quality

Assurance

Yarn Quality Test

- ✓ Denier of Yarn
- ✓ Elongation%
- ✓ Yarn tenacity
- ✓ Yarn shrinkage%
- ✓ Nips per Meter
- ✓ Visual inspection 100%
- ✓ OPU% on Yarn
- ✓ Package hardness
- ✓ Yarn dye affinity test
- ✓ Yarn Evenness (Uster%)
- ✓ Yarn cross section
- ✓ Shade matching of Dope dyed yarn

Chips Quality Test

- ✓ Moisture content
- ✓ Polymer I.V.
- ✓ Polymer Melting point
- ✓ Chips Colour 'B' Value
- ✓ Chips Colour 'L' Value
- ✓ Polymer End Group
- ✓ Polymer Ash content
- ✓ TiO₂ content
- ✓ Polymer UV test
- ✓ Chips Size and shape
- ✓ DEG Content
- ✓ Powder content

MODERN SYNTEX LIMITED

MODERN POLY INDUSTRIES LIMITED

