

# Moderno COMPANY PROFILE

## INTRODUCTION

MODERNO was established in 2007 with the aim to provide high quality knitted apparel for export in the form of a flexible, medium sized, semi-vertical unit catering to customers of all sizes. We manufacture a full range of knitwear products to all market segments, from basic items to more complex fashion garments with elaborate embellishment.

In addition to supplying our quality fabric for export garments, we are able to utilise in house dyeing and fabric finishing to support our own cut to pack manufacturing set up for finished garments for the international market which is made up entirely of new auto sewing machines.

<u>Product Specialisation:</u>	Knitwear
<u>Year Established:</u>	2007
<u>Major Markets:</u>	Europe & USA
<u>Covered Area:</u>	65,000 Sq. Ft.
<u>Director:</u>	Ahsan Karim (ACCA, ACA (ICAEW))
<u>Sewing Machines:</u>	65
<u>Garment Production Capacity:</u>	30,000 pieces / Month
<u>Dyeing Capacity:</u>	10 Metric Tons / Day
<u>Number of Employees:</u>	350
<u>Compliance:</u>	SEDEX and OEKO-TEX
<u>Fabric Finishing Capabilities:</u>	
Hydro Extractor, Auto-Slitter Machine, 10 Chamber Stenter, Compactor, Sueding Machine, Raising Machines, Horizontal and Vertical Dryers, 8 Tumble Dryers	
<u>In-House Garment Manufacturing Capabilities:</u>	
Merchandising, Sampling, PPC, Cutting, Panel Inspection, Transfer and Induction, Sewing, Roving Quality, Inline Inspection, Offline Inspection, Clipping, Pressing, Final Quality and Packing	

## OUR WORK ENVIRONMENT AND CUSTOMER FOCUS

We manufacture a full range of knitwear products catering to all market segments, from basic items to more complex fashion garments with elaborate embellishment. Moderno is SEDEX certified, socially compliant, adheres to local labour laws and customer conduct codes.

A safe and fair working environment has meant low employee turnover, higher productivity and ultimately happier customers. We cooperate with our customers by learning exactly what they need and when. Our size in comparison with some of our competitors gives us an advantage in terms of flexibility and scheduling.





# Moderno QUALITY & PROCESSES

## OUR SYSTEMS AND QUALITY COMMITMENT

We value our commitments to customers highly and therefore continually strive to improve our systems and quality to meet expectations. Our trained team has a daily follow up meeting on all production styles to keep things on track and customers informed.

Quality is monitored and maintained throughout from yarn supply to knitting, fabric dyes to cutting, stitching and packing. Internal inspection takes place at every stage with roving auditors in production and detailed batch audits prior to shipment. We meet stringent third party AQL 2.5 requirements or those as per the demands of customers.

## PROCESSES

### PLANNING, DEVELOPMENTS, SAMPLING AND MONITORING

Merchandising and production planning of new developments and enquiries is actioned on a prompt basis. A dedicated full time sampling team with pattern development, cutting and stitching facilities is at our disposal. Required inputs are discussed and planned in a manner which ensures a continuous production flow. Our trained team has a daily follow up meeting on all production styles to keep things on track and customers informed.

### YARN & KNITTING

We purchase cotton, blended, and melange yarns as well as use yarn dyeing where required from numerous reputed local suppliers. We have a number of industry leading knitting suppliers which work with us. They help to provide customers a wide variety of single, double and flat knit fabrics with different auto/engineered feed stripe patterns as per specification.



### FABRIC CUSTOMISATION OPTIONS

Silicon and Enzyme finishes for soft hand feel anti-pilling. Sueded (Peach) finish option with different levels as required. Slub yarns / dyed yarn commonly used for effect. Various colours / melange fabrics available with different knit patterns and textured fabrics possible. Woven fabrics. such as twill and chambray used for styling. Polyester/Lycra blend options for better shape retention/stretch.

### DYEING & FABRIC FINISHING

At the heart of Moderno's service offerings is our 10 Metric Ton commercial fabric dyeing along with a full range of fabric finishing which includes slitting, hydro extractor, 10 chamber stenter, compactor, horizontal and vertical dryers, raising, sueding and tumble dryers.



### GARMENT WASHING

Outsourced garment washing options are also available including burn out, spray wash, stone wash, acid wash, enzyme and silicon wash among other common effects to add to fashion garments.

### CUT TO PACK

Our specialised cut to pack set up can produce up to 30,000 pieces a month for basic styles with 20,000 piece capacity for more complex garments. Machines are constantly being updated with modern fully automated models that increase productivity for a skilled mix of workers and supervisors. Finishing setup includes trimming, pressing, labelling and packing staff.



### PRINTING & EMBROIDERY

Printing options include rotary, screen, pigment/water based, oil based, flock, discharge, sugar, puff, glitter, heat transfer, digital, sublimation, photographic, high density, metallink ink, reflective glow in the dark, heat sensitive etc.

Embroidery is possible with satin/polyester/cotton/viscose threads. Running, tatami/fill stitches. Various materials can be used for styling e.g. sequins, lace, canvas, twill, applique (laser cut) etc.



# Moderno FABRICS & PRODUCTS

## FABRIC TYPES

We manufacture apparel using a combination of various knitted cotton and poly/cotton fabrics which are all dyed, processed and finished in house.

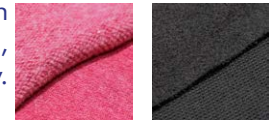
There are numerous fabric types which are customised in content, quality, finish and yarn type. Special yarns such as heather and slubs as well as yarn dyeing is available to create fabrics with different visual patterns and textured effects as demanded.



The main fabric categories are: Fleece, Terry, Interlock, Ribs, Jersey, Pique

### FLEECE & TERRY

Typical fleece and terry based apparel is produced with a weight between 280-380 GSM. The main difference is that terry fabric is not raised. Popular garments in the two fabrics include: Sweatshirts, Pullovers, Pyjamas/Sweat Pants and Full zipper and Mock Neck Zipper hoodies to name a few. Typical qualities and blends include 100% Cotton, 80/20, 50/50 Low Shrinkage Fleece (70/30).



### INTERLOCK & RIBS

Interlock and ribs are types of fabric made on double knit or jacquard machines. These have more complicated knit structures than fleece or terry and often have lycra or polyester inserted to give fabric extra stretchability. Interlock weights and garments are similar to fleece/terry. Ribs are used mainly for cuffs, borders and collars with all types of garments and typically have heavier weights (300-450 GSM)



### JERSEY & PIQUE

Jersey is produced in weights between 120-240 GSM with shirts in various styles being the most common garment (v-neck, crew, raglan etc.) 100% Cotton and other blends including lycra are regular. Pique is slightly heavier (180-280 GSM) with the most common garment being the Polo.



## PRODUCT TYPES

A range of products are manufactured by Moderno on a regular basis consisting of the following items:

- T Shirts (Crew Neck, V Neck etc.) - Sleeveless Shirts - Long Sleeve Shirts - Raglan Sleeve Shirts
- Henley Collar Shirts - Yarn Dyed Striper Shirts- Polos / Striper Polos - Rugby / Heavy Jersey Shirts
- Shorts - Pyjamas / Sweat Pants - Sweatshirts - Hoodies / Pullovers - Full Zippers - Mock Zippers
- Other variations of the above.



# Moderno MACHINE OVERVIEW

## MACHINES

All of our sewing machines are purchased brand new with servo motors and auto trimmer capabilities ensuring that there is minimal alteration/rework and low chances of any oil spots. This reduces the rates of rejection greatly and improves output as compared with units operating older machines. Energy efficiency is also improved as a result.

Our dyeing set up has a range of high temperature and atmospheric machines supported by full set of drying machines, compactor, stenter, raising and sueding machines. In addition to the requirements of our own manufacturing, these serve a large number of commercial clients all year round.

### SEWING MACHINES

Brand	Type	Qty
Jack	Auto Semi Dry Head Lockstitch	30
Jack	Auto Overlock 4/5 Thread	22
Jack	Auto Button Hole Machine	01
Jack	Auto Bartack/Button Attach	01
Jack	Auto Button Attach/Bartack	01
Jack	Twin Needle Feedo	01
Jack	8" and 10" Straight Knife Cutter	02
Kansai	4 Needle Waistband Attach	01
Taking	Snap Button/Eyelet	01
Shingling	Cyl. Bed Flat Lock Machine	05
Shingling	Mini Cyl, Bed Flat Lock Mch.	01
Shingling	Feed Up the Arm Seamer	01
Shingling	Left Hand Knife Hemming Machine	01

### DYEING MACHINES CAPACITY/LOT

Machine	Capacity (Kg)	Qty
DMS 8T-HT	1,800-2,000	01
Thies 8T-HT	1,000-1,200	01
Fong 4T-HT	700-750	03
4T-HT Super	700-750	01
Fong 4T Atmosph.	600-700	02
Fong 4T-HT	300-400	01
Fong 2T Atmosph.	200-250	01
Fong 2T Atmosph.	150-200	01
Polycraft 1T-HT	100-150	01
Thies 1T-HT	50-100	02
1T THIES	20-40	02
Sampling Winches	7-40	07

### FINISHING MACHINES CAPACITY/DAY

Machine	Capacity (Kg)	Qty
Crino Hydro	10,000	01
Crino Auto Slit Machine	10,000	01
Local V-Dryer	1,000-1,500	01
China 10 Chamber Stenter	12,000-14,000	01
China Raising Machine		
90" Width	2,500-3,000	01
82" Width	2,000-2,500	01
72" Width	2,000-2,500	01
Rukh H-Dryer	3,000-4,000	01
Drum Dryer	6,000-7,000	01
Lamperti Italia Sueding Machine	4,000-5,000	01
Monfort Rolling Machine	4,000-5,000	01
Taiwan Tumble	6,000-7,000	08
Monfort Compactor	8,000-10,000	01

