



Daffodil
International
University

Faculty of Engineering

Department of Textile Engineering

Title:

Study on Cutting and Sewing defects in Knit Garments.

REPORT ON

Course Title: Project (Thesis)

Course Code: TE-4214

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This Project Presented in partial fulfillment of the Requirement for The Degree of
Bachelor of Science in Textile Engineering

Advance in Apparel Manufacturing Technology

DECLARATION

Thus, we proclaim that the work introduced in this proposal is named "Study on Sewing and cutting Faults. "We have finished it under the management of Mst. Murshida Khatun

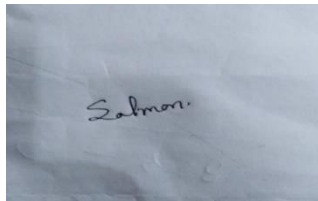
It has not been introduced for a level of some other college, and all the asset of materials utilizes for this proposition has been appropriately recognized.

This is to affirm that the above affirmation made by us is suitable to the best of my knowledge and concern.

Submitted By:

Md. Salman khan Fahim

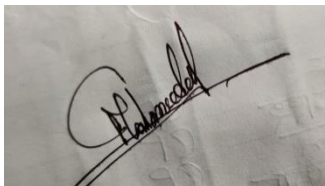
ID:182-23-507

A photograph of a piece of white paper with the name "Salman" written in black ink in a cursive script.

Signature

Md.Mahamudul Hasan

ID: 182-23-477

A photograph of a piece of white paper with a handwritten signature in black ink that appears to read "Mahamudul Hasan".

Signature

LETTER OF APPROVAL

This venture report arranged by Md. Salman Khan Fahim bearing Id: 182-23-507 and Md. Mahamudul Hasan bearing Id: 182-23-477, is endorsed in Partial Fulfillment of the necessity for the Degree of BACHELOR OF SCIENCE IN TEXTILE ENGINEERING.

The said understudies have finished their task work under my watch. During the examination time frame, I discovered them genuine, dedicated, and excited.

Mst.Murshida Khatun



Assistant Professor
Department of Textile Engineering
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ACKNOWLEDGEMENT

At First, we express our heartiest thanks and thankfulness to God-like Allah for His approval makes us conceivable to finish this task effectively.

We finished the complete theory work at GMS composite sewing Ind. Ltd.

We feel thankful to our Supervisor, Mohammad Abdul Baste, Daffodil International University, Dhaka, Bangladesh. Profound knowledge and unmistakable fascination of our administrator in the field advancement impacted us to do this venture. His perpetual tolerance, academic direction, continuous and vigorous oversight, significant guidance, and adjusting them at all stages have made it conceivable to finish this undertaking. We might want to offer our heartiest thanks to other employees of the TE division of Daffodil International University. Particularly much gratitude goes to one of our senior brothers Md. Rafiz from to gather the example and data. We might want to thank our whole coursemate in Daffodil International University, Who took part in this talk while finishing the course work.

At last, we should recognize with due regard to our folks who were the principal wellspring of our energy.

ABSTRACT

I have visited a few Garments Industry and realized that sewing and cutting are vital to making a Garment. Sewing and cutting issues have a very follow the impact on Garments quality. A few flaws show significant imperfections, and a few show minor. So controlling the flaws during cutting and sewing is vital. I need to dispose of those flaws however much as could be expected. However, it is practically difficult to kill all flaws like a minor shortcoming. I found the greater part of the minor flaws during our Internship period contrast with Major blames such as(Missing yarn, thick dainty line, Slub , open crease, size botch, texture opening, texture conceal, down fasten, without tack) Cutting Major blames, for example, (Crease mark, oil sport, missing yarn, opening, thick yarn, uneven coloring, running shade). Minor issues can be dispensed with by various cycles after sewing or cutting. Two or three minor deficiencies get punishment as Major shortcomings by the 4 Inspection framework. At the long following, seven days end line assessment auditor investigated all out 10813 computers of articles of clothing 9031pcs quality pass 50 laptops reject 1450 computers surrender and adjust 1348 laptops. Here QC passed rate 87%, deformity rate 13%, Reject rate 0.43%. We discover diverse kinds of imperfections found in the sewing and cutting area, for example, Skip join, Broken line, oil marks, open crease, name skewed. The most extreme number of shortcomings are skipped join 30%; broken fasten 8%, needle cut 9%, uncut string 25%, and others 30% imperfection.

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CHAPTER-1

INTRODUCTION

1.0 INTRODUCTION:

Material is a word that comes from the Latin word surface, which signifies "to weave", "to mesh", or "to development" the least complicated material craftsmanship is felting in which creature filaments are tangled together utilizing that and dampness. The most significant number of material expressions being with winding or turning and employing strands to make yarn. The Most of time, yarn interlaced, circled, tied, or woven to make a dress. The entirety of this time bombed yarn, texture, and completed items.

1.1 Objective:

To think about the articles of the clothing production line

To think about the articles of clothing wastage

To think about the functioning system to increment profitability.

1.2 Methodology

- Textile industry
- Internet
- Book
- Teacher lecture sheet
- Garments factory

CHAPTER-2

LITERATURE REVIEW

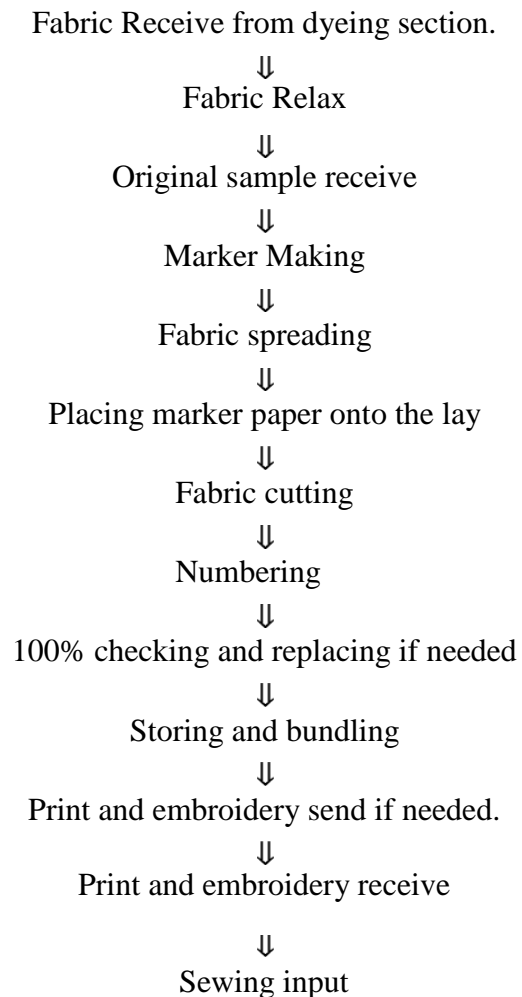
2.0 Literature review:

2.1 What is cutting?

The primary job of a slicing interaction is to cut a piece of clothing parts from texture rolls or texture than according to style details and send slice segments to the sewing office in a pack.

2.1.1 Flow chart of Cutting section:

FLOW SEQUENCE OF CUTTING



2.1.2 Types of Cutting knife:

- ❖ Die cutter
- ❖ Drill cutter
- ❖ Straight knife cutter
- ❖ Round knife

2.1.3 Marker Making:

During clothing-producing measures, marker making is the most valuable interaction to draw the example pieces over a thin marker paper. This marker paper is put on the texture layer to limit texture wastage.

2.1.4 Fabric cutting:

Texture lay is cutting by straight blade cutting machine at that point isolated cutting part.

2.1.5 Numbering:

In this stage, a sticker is appended with all pieces of cutting part for conceal coordinating. The sticker number keeps up cutting number, size number, chronic number.

2.1.6 100% checking and replacing if needed:

After cutting, the lay of the texture assessment is finished. Assuming any piece of the cutting texture gets deformity or needs a substitution, supplanting is finished.

2.1.7 Cutting faults:

- ❖ Crease mark
- ❖ Contamination
- ❖ Oil spot

- ❖ Snagging
- ❖ Missing yarn
- ❖ Un-even dyeing
- ❖ Running shade
- ❖ Thick yarn
- ❖ Hole
- ❖ Dirty sport
- ❖ SLUB
- ❖ NEPS
- ❖ Spoilspport
- ❖ Thin yarn
- ❖ Needle mark
- ❖ Knot
- ❖ Join
- ❖ PATTA
- ❖ Missing line
- ❖ Needle line
- ❖ Miss print
- ❖ Shinning mark

2.1.9 Quality cut panel:

Quality imperfection,

If the amount of clothing parts is missing, the amount (assume +1, - 1) the amount then substitution by quality or move those control board.

2.1.10 Replacement:

After the quality check, if parts are a botch, then a substitution of value manual cutting framework.

2.1.11 Different types of Cutting Faults Picture:

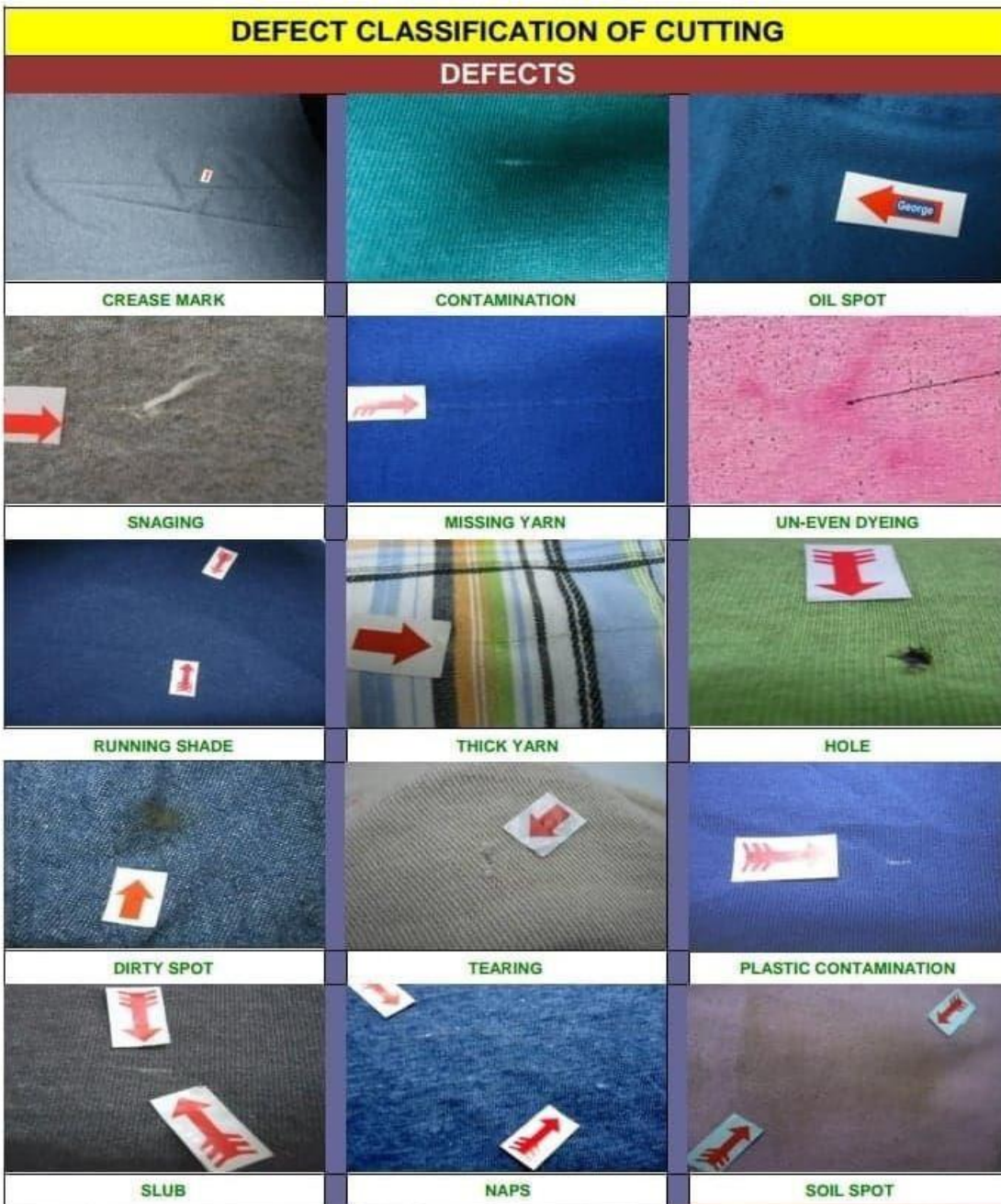


Figure: 2.1 Different Type of Cutting Faults



Figure:2. 2 Different Type of Cutting Faults

2.2.0 What is sewing?

Sewing is the specialty of affixing or connecting objects utilizing join made with a needle and string.

2.2.1 Flow Chart of Sewing Section:

- ✚ Cutting dept. Will PO, size, and shading (with %) shrewd info.
- ✚ Yield will be just thinking about QC pass(PO, Size, and Color)
- ✚ Change should be amended day by day; No modify at the day end.
- ✚ Dismissal PO, Size, and shading shrewd should be recorded and told the cutting dept. So they can supplant likewise.
- ✚ Sewing dept. Is mindful of telling cutting both sewing and Finishing dismissals.
- ✚ Sewing to completing development should be gone through by actual checking, and both gatherings should sign in the register book.
- ✚ Completing modify development will likewise be gone through with the register book, and both gatherings should sign.
- ✚ When sewing, got to cut the board from cutting and marked any missing pieces of clothing, Sewing dept. Will be capable.
- ✚ When completing got QC passed products from sewing and marked, any lost of articles of clothing, Finishing dept. I will be mindful.
- ✚ Floor PM should screen register book each day.
- ✚ AGM should arbitrarily review the register book week by week.

2.2.2 Generally Using Sewing Machine:

Overlock

- Flat Lock
- Plain M/C
- Bartack M/C
- Button Hole M/C
- Punch M/C
- Eyelet M/C

A feed of the arm

- Button join M/C
- Fusing M/C
- Piping M/C
- Iron M/C
- Logo join M/C

2.2.3 Machine Brand:

- Pegasus
- Juki
- Brothers
- Kansai

2.2.4 Types of sewing needle:

- ❖ Sharps
- ❖ Short darners
- ❖ Long darners
- ❖ Yarn darners
- ❖ Curved repair
- ❖ Leather needle
- ❖ Cross stitch

2.2.5 Sewing faults, causes, and their remedies:

❖ **Variable stitch density**: variable fasten thickness should have a similar measure of join per unit length. It is not. Then, it is called variable fasten thickness.

❖ **Causes:**

- Twisting of string in the string guide.
- More pressure in the string.
- Twisting of needle string in the lower part of the string bundle.
- Fraying of string in the needle.
- Snarling of string before pressure plate.

Remedies:

- Proper stringing of sewing string during sewing.
- The strain of string ought to be less or utilization of high strength string.
- Check spring to be changed.
- Winding of more strings in the string guide and to be held less strain to the tensioning circle.
- The edge should be smooth, and the needle should be changed depending on the situation.
- High-quality needles should be utilized.

❖ **Frequent thread breakage**: Continuous string breakage of string again during sewing, and there needs an additional time and unsafe for creation. When there needs to open out sewing to take care of the issue.

Causes:

- Wrong fitting of the bobbin case.
- Wrong twisting of string onto the bobbin.
- More pressure to the bobbin string or more pivoting of the bobbin.

Remedies:

- Proper twisting of string onto the bobbin.
- pre-wound bobbin might be utilized
- The edge to be smooth.

2.2.6 Different Types of Sewing Faults Picture:



Fig 2.3: DIRTY MARK

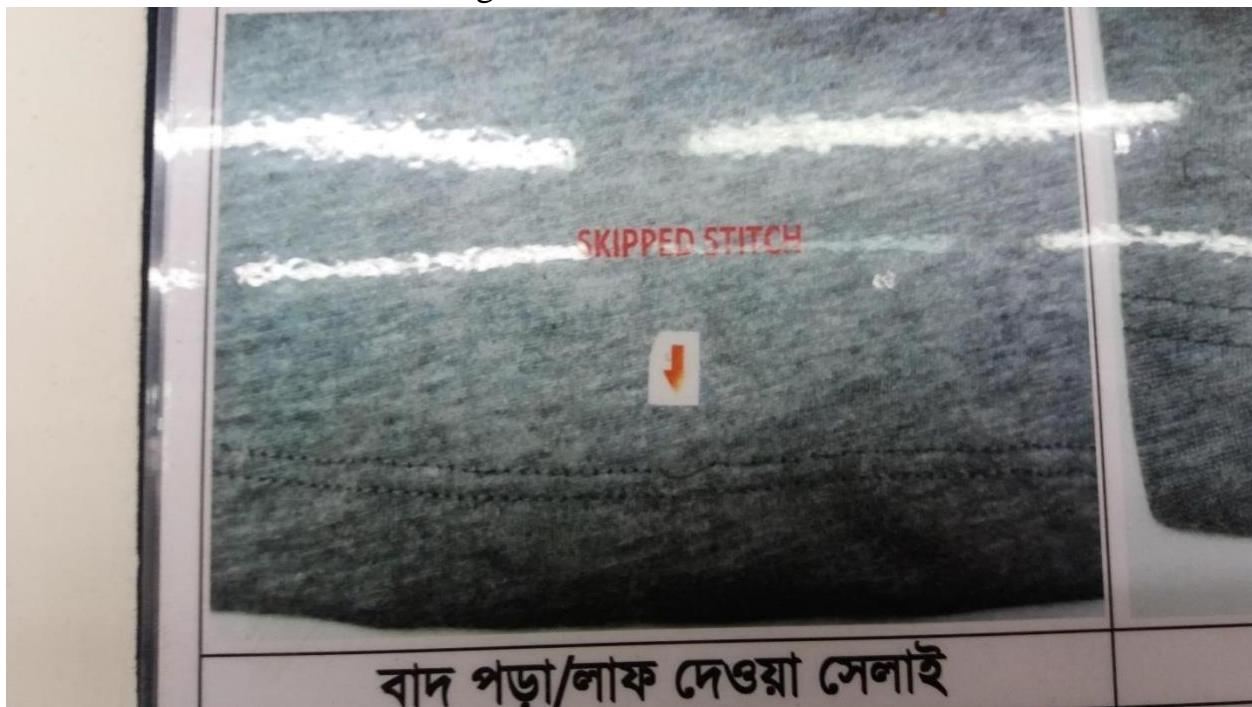
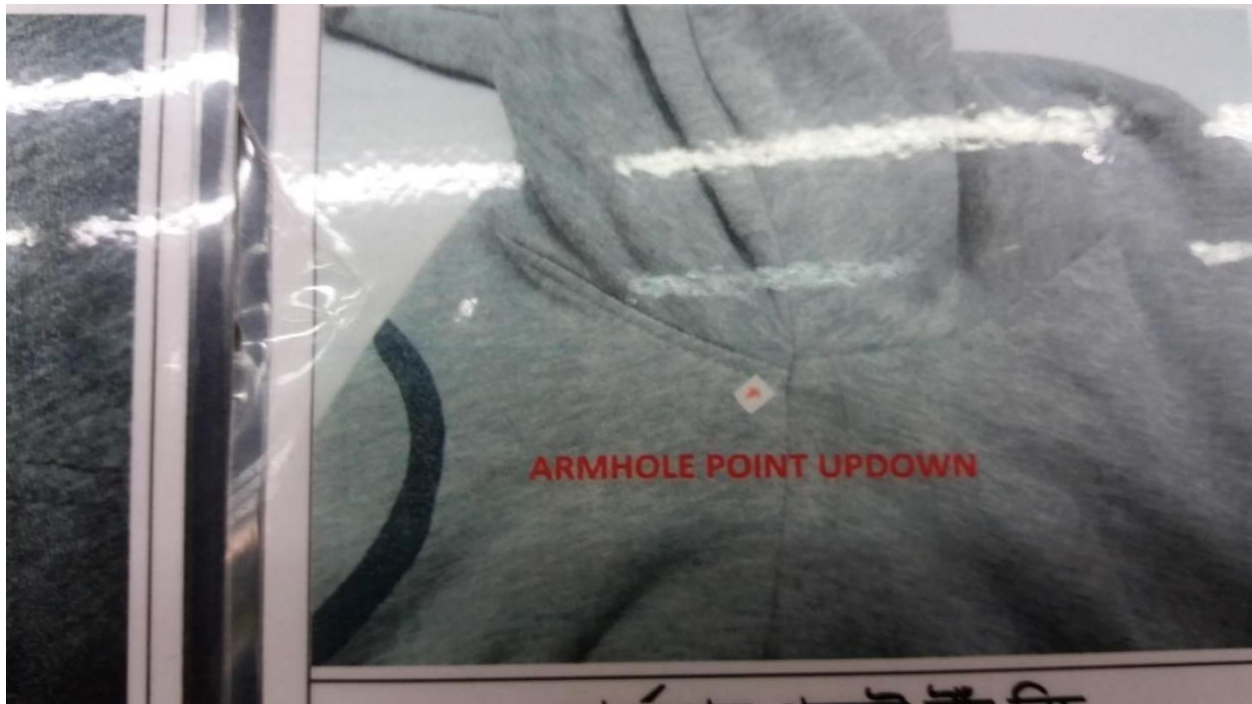


Fig 2.4: SKIPPED STITCH



**Fig 2.5: ARMHOLE POIN
UPDOWN**

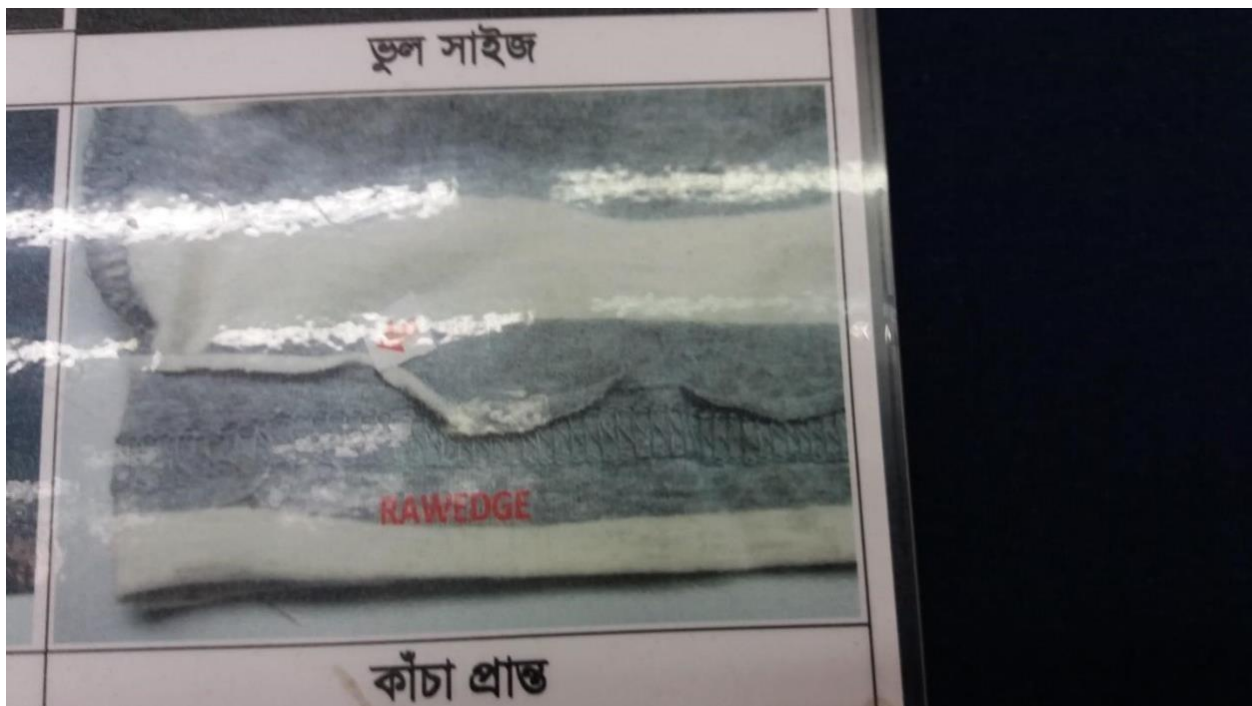


Fig 2.6: RAW EDGE



Fig 2.7: PLEAT

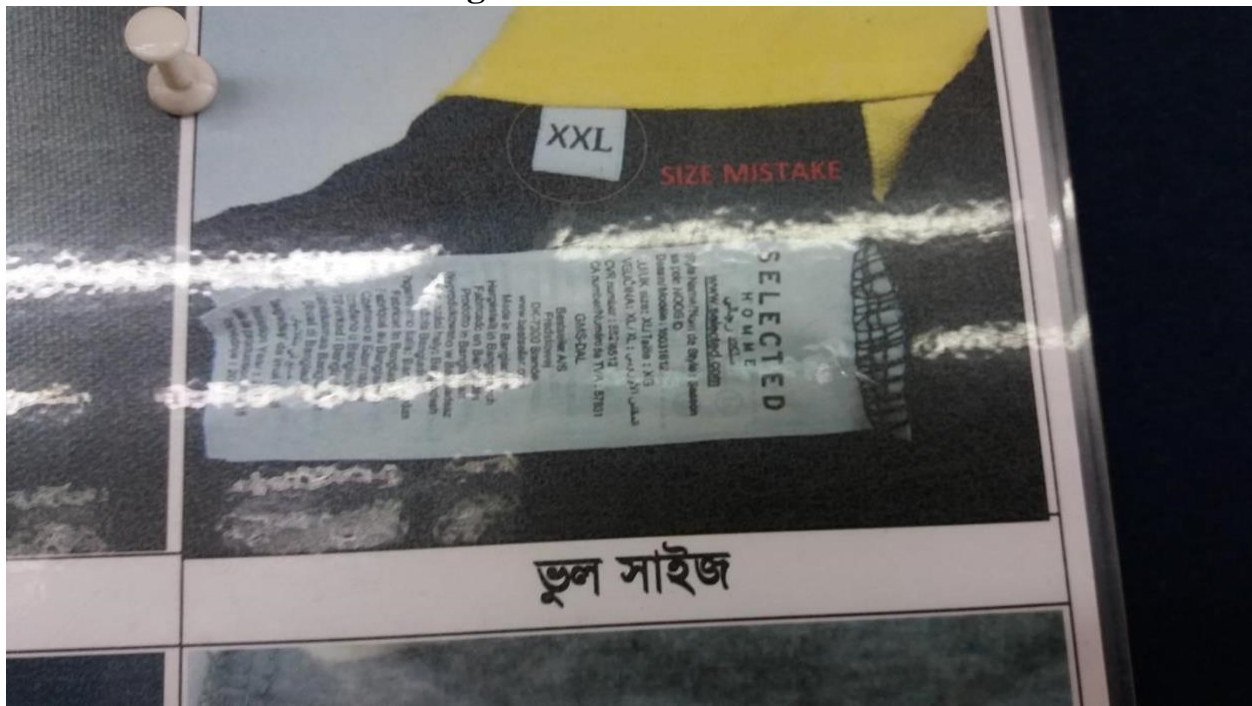


Fig 2.8: SIZE MISTAKE

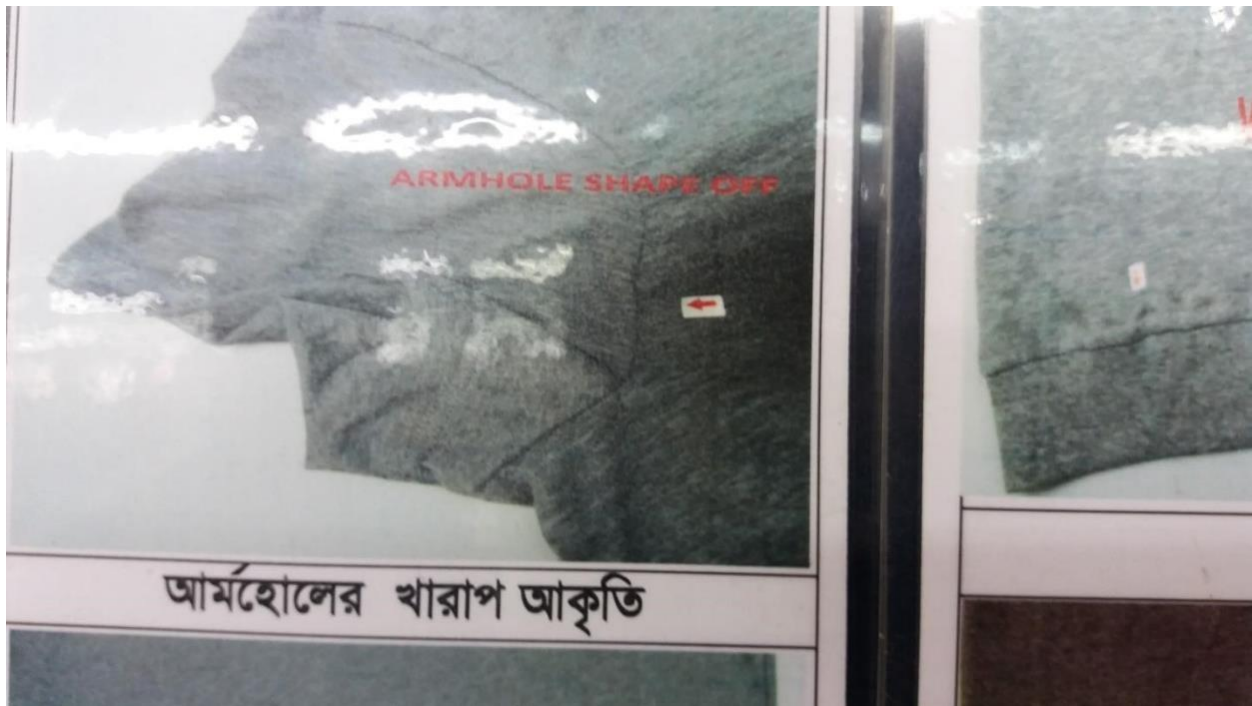


Fig 2.9: ARMHOLE SHAPE OFF

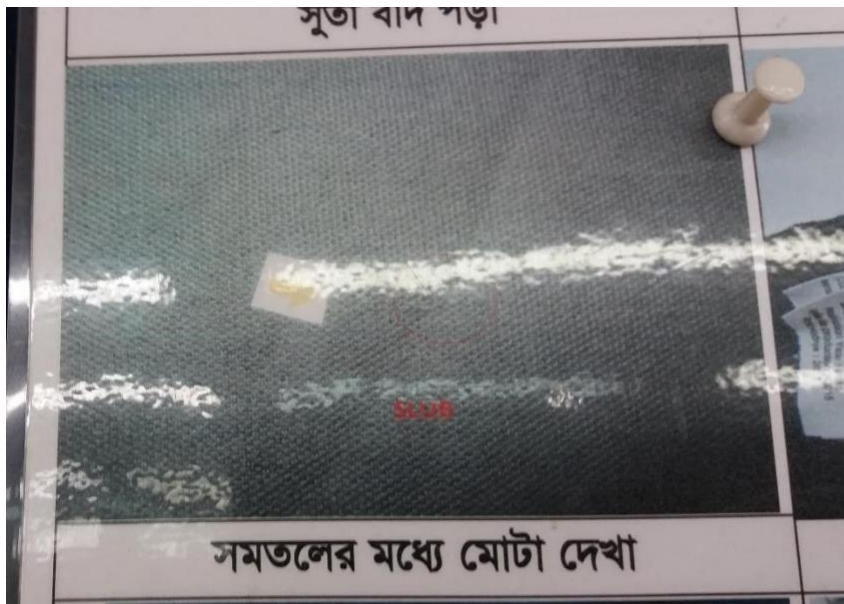


Fig 2.10: SLUB

CHAPTER-3

EXPRIMENTAL DETAILS

3.0 Inspection in cutting section:

This interaction texture is being cut into parts. In large-scale manufacturing, numerous layers of texture are praised on the table, and an enormous number of articles of clothing being cut at a time. The cutting cycle incorporates several sub-interaction, and the stream of the interaction is an after.

3.1 Experiment Data- marker lay chart cutting:

Marker lay chart cutting report of GMS Composite knitting Ind. Ltd.

Buyer Name: jack and jones

Style No: JJE CHEST logo

P.O/NO: 722

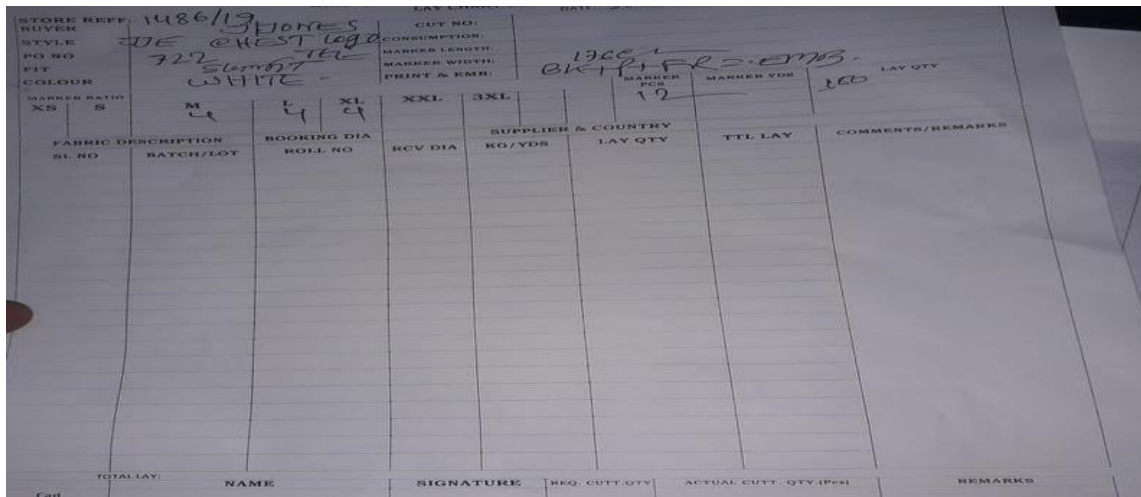


Fig No 3.1: Marker lay chart cutting Report.

GMS COMPOSITE KNITTING IND.LTD.
Sardagonj, Kashimpur, Gazipur-1346
QUALITY DEPARTMENT
Marker Lay chart cutting

STORE REFF	1486/19		
BUYER NAME	J/JONES	CUT NO	
STYLE NO	JJE CHEST LOGO	CONSUMPTION	
PO NO	722 TG	MARKER LENGTH	
FIT	SLEMFIT	MARKER WIDTH	176C
COLOR	WHITE	PRINT AND EMB	BK+P+RR=EMB

MARKER RATIO									MARKER PCS	MARKER YDS	LAY QTY
XS	S	M	L	XL	XXL	3XL					
		4	4	4					12		100

FABRIC DESCRIPTION	BOOKING DIA		SUPPLIER AND COUNTRY				
---------------------------	--------------------	--	-----------------------------	--	--	--	--

SL NO	BATCH LOT	ROLL NO	RCV DIA	KG/YD	LAY QTY	TOTAL LAY	COMMENTS
-------	-----------	---------	---------	-------	---------	-----------	----------

TOTAL LAY:

CAD	NAME	SIGNATURE	REQ.CUTT, QTY	ACTUAL.CUTT.QTY(Pcs)	REMARKS
LAY SUPERVISOR					
QI			LAY START TIME	LAY FINISH TIME	
NAME OF LAY OPERATOR					
NAME OF LAYMAN					

Table No 3.1: Marker lay cutting report

- ❖ Marker type: 1. One waymarker
- 2. Tow waymarker
- 3. Group marker
- 4. Block marker

3.2 Experiment Data-Cutting Quality Inspection Report:

Cutting Quality Inspection report of GMS Composite knitting Ind. Ltd.

Buyer Name: Jules

Style No: 7/3824

S/R: 1109

C/No: 2

Fabric Type: SJ

Color: D-Red

BUYER	STYLE No	SR	CNO	FABRIC TYPE	COLOR	RECEIVED REQUIRED	RECEIVED REQUIRED	LOT NO	LAY QTY	LAY LENGTH CM	LAY HEIGHT CM	MARKER SIZE RATIO										TOTAL RATION MARKER PCS	CUTTING PCS								
JULES	7/3824	1109	2	6J	D-RED	132	132	51363	132	5.55	8.6	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
n	n	n	3	n	n	n	n	n	141	5.80	7	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
CHSAY	WIP 101	657	2	1410	WIP	n	n	61363	51	5.90	2.5	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
370	CHSL	1175	1	50J	BLACK	n	n	8533	136	5.40	6.5	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
n	n	n	2	n	n	n	n	n	140	n	n	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
n	n	n	3	n	n	n	n	n	140	5.90	6.9	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
n	n	n	4	n	n	n	n	n	140	5.90	6.9	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
n	n	n	5	n	n	n	n	n	140	5.90	7.3	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
n	n	n	6	n	n	n	n	n	140	5.90	7	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
n	n	n	7	n	n	n	n	n	140	5.90	7.3	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
n	n	n	8	n	n	n	n	n	140	5.90	7.3	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
n	n	n	9	n	n	n	n	n	140	5.90	7.3	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
n	n	n	10	n	n	n	n	n	140	5.90	7.3	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
NAME	KHAR	1102	10	1430	WIP	n	n	4871	120	6.10	6	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
INSPECTION					1	2	3	4	5	6	7	8	9	10																	
ALL PARTS PRESENTS					OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
ALIGNMENT					n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MARKER					SOLID	SOLID	SOLID	SOLID	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
SHADE					✓	✓	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL	ROLL TO ROLL
FABRIC DEFECT					REVERSE MARK	N:MARK	HOLE TRONE	pin HOLE	n:MARK	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE	REVERSE
CUTTING DEFECT					OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
REMARKS					OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
CUTTING QUALITY INSPECTOR NAME: <i>SHAMICUJAMIN</i>																	A/D CARD NO: <i>6155</i>														
PREPARED BY					CHECKED BY					ACKNOWLEDGE BY																					
<i>[Signature]</i>					<i>[Signature]</i>					<i>[Signature]</i>																					
QUALITY INSPECTOR					CUTTING OFFICER					QUALITY OFFICER																					
										APPROVER																					
										ACTION																					

Fig 3.2: Cutting Quality inspection Report

GMS COMPOSITE KNITTING IND.LTD.**Sardagonj, Kashimpur, Gazipur-1346****QUALITY DEPARTMENT****Cutting Quality Inspection Report****Buyer: Jules, Style No: 713824**

Buyer	Style No	S/R	C/No	Fabric type	Color	GS M	DI A	LO T No	Lay Qty	Lay length CM	Lay high CM	Ratio	Total Pcs	Cutting pcs
Jules	713824	1109	2	SJ	D-Red	160-165	170175	51367	132	5.55	6.66	S/1	9	
Orsay	Onlydsv	659	7	Ly.S.J	White	''	''	60967	51	3.92	2.5	S/2	12	
J/J	Basic	1075	1	S.J	Black	''	''	5539	136	5/78	6.8	S/2	9	
J/J	''	''	2	SJ	''	''	''	5539	140	5.92	7	S/2	9	
J/J	''	''	3	SJ	''	''	''	5569	138	5.78	6.9	S/1	9	
J/J	''	''	4	SJ	''	''	''	''	140	5.90	6	S/1	9	
J/J	''	''	4	SJ	''	''	''	5536	138	5.74	7.3	S/2	9	
Rame	kana	202	10	Ly.S.J	G.G Ab	''	''	4571	120	4.14	6.9	56/2	16	

Table 3.2: Cutting Quality Inspection Report

3.3 Experiment Data-Cutting Quality Control:

Cutting Quality control report of GMS Composite knitting Ind. Ltd.

Buyer Name: REX

Style No: A/0212

GMS Composite Knitting Ind. Ltd.
Sardagonj, Kashimpur, Gazipur-1346.
GMS-QA-999.C

Q.I. NAME: MD. KAMRUL
CUTTER MAN: JASIM

CUTTING QUALITY CONTROL

DATE	BUYER	STYLE	SR/LOT	COLOUR	CUT NO	BLOCK CHECK						REMARKS	QUALITY INCHARGE	CUTTING INCHARGE	
						SIZE	PARTS	PATTERN CHECK	MIS-CUT	PAGGED CUTTING	NOTCHES				MATCHING PLYES
30.3.13	REX	A/0212	525	2 MARK	2	M	BK	L-15	✓	✓	✓	✓	✓		
			46		1	U	FR	B+1	✓	✓	✓	✓	✓		
			46		4	SU	OK		✓	✓	✓	✓	✓		
			46		4	L	BK	L-15	✓	✓	✓	✓	✓		
			46		4	FR	OK		✓	✓	✓	✓	✓		
			46		4	SU	OK		✓	✓	✓	✓	✓		
			46		6	XL	BK	L-15	✓	✓	✓	✓	✓		
			46		11	FR	OK		✓	✓	✓	✓	✓		
			46		6	U	SU	OK	✓	✓	✓	✓	✓		
			46		0	XXL	BK	L-15	✓	✓	✓	✓	✓		
			46		4	FR	B+1		✓	✓	✓	✓	✓		
			46		4	SU	OK		✓	✓	✓	✓	✓		
			46		6	3XL	BK	L-15	✓	✓	✓	✓	✓		
			46		4	FR	OK		✓	✓	✓	✓	✓		
			46		4	SU	OK		✓	✓	✓	✓	✓		
			46		0	4XL	BK	L-15	✓	✓	✓	✓	✓		
			46		4	FR	B+1		✓	✓	✓	✓	✓		
			46		4	SU	OK		✓	✓	✓	✓	✓		
NOTE:-			INSTRUMENT (32IN 3IN) 20005 316 5701 20005												
COMMENTS:		BK+FR BODY LENGTH +1.5 CM UP DOWN AND BOTTOM -1 CM UP DOWN.													
QA. OFFICER		PRO. OFFICER				PM				AQM/QM					

Fig 3.3: Cutting Quality Control

GMS COMPOSITE KNITTING IND.LTD.

Sardagonj, Kashimpur, Gazipur-1346

QUALITY DEPARTMENT

Cutting Quality Control

Buyer	Style No	SR/LOT	Color	Cut No	Size	Parts	Pattern check	Miscut	Paged cutting	Notes	Plies	Remarks	Quality inch arge	Cutting inch arge
REX	A/0212	576/515	Marine	2	M	3K	L-1.5	Ok	Ok	Ok	Ok	Ok		
	A/0212	576/515	Marine	2	M	FX	3-1	Ok	Ok	Ok	Ok	Ok		
	A/0212	576/515	Marine	2	M	3k	Ok	Ok	Ok	Ok	Ok	Ok		
	A/0212	576/515	Marine	2	M	Fx	L+1.5	Ok	Ok	Ok	Ok	Ok		
	A/0212	576/515	Marine	2	M	3k	Ok	Ok	Ok	Ok	Ok	Ok		
	A/0212	576/515	Marine	2	M	Su	Ok	Ok	Ok	Ok	Ok	Ok		
	A/0212	576/515	Marine	2	M	3k	1.5	Ok	Ok	Ok	Ok	Ok		

Table 3.3: Cutting quality Control

GMS COMPOSITE KNITTING IND.LTD.

Sardagonj, Kashimpur, Gazipur-1346

QUALITY DEPARTMENT

Daily Cut Panel Monitoring List

Buyer Name: REX

Style No: 525

Color: LT-Blue

GSM: 220

Date									
Cutting No	1+2+3								
Lot No									
Cutting QTY	1275								
SLUB /NEPS									
THICK and THIN									
YARN CONTAMINATION									
SUBTOTAL									
LINE STAR/KNOT									
NEEDLE MARK									
KNITTING HOLE	39							39	
LYCRA MISSING	16							16	
PATTA	8							8	
SUB TOTAL									
TRON	30							30	
DYING SPOT	5							5	

UNEVEN SHAPE									
MEASUREMENT LESS									
BOTH SIDE NOT EVEN									
UNEVEN PARTS									
ANY MISTAKE									
SUBTOTAL									
TOTAL CHECK QTY	1275							1275	
TOTAL QC PASS	1177							1177	
TOTAL REJECT QTY	BX-98 FX-77							98	
TOTAL REJECT WITH %	7.6							7.6	

Table 3.4: Daily Cut panel report

TOTAC-BX 9.8-FX-77=175 PCE

Sewing section Inspection:

In measure quality control in sewing segment examination.

Sewing is the most significant in articles of the clothing industry. In measure quality control in wrapped up by the line QC through 9 computers assessment system. For fundamental undertaking, 100% cycle assessment are finished. Checked around there, texture pressure, SPI checking, needle checking investigation checking.

GMS COMPOSITE KNITTING IND.LTD.

Sardagonj, Kashimpur, Gazipur-1346

Sewing Department

In-line Sewing Inspection Report

LOT SIZE: 1000, SAMPLE SIZE: 32, AQL: 1.5.

TOPS	BOTTOMS			XS			S		
CHES	WAIST RELAX	42	42	+8	+1	48	+1	+8	+1
WAIST	WAIST EXT	40.5	+5	+8	+1	41.5	+5	+5	+1
HIP	WAIST BAND HT								
BOTTOM	HIP-LOW	42	42	42	+5	48	48	+1	+5
SHOULDER	HIP HIGH	7.5	+4	+4	+4	8.5	+5	65	+1
ACROSS SHLDR	CALLF								
F.LENGTH HPS	KNEE	4.8	+1	+1	+5	65	+1	+8	+8
LENGTH LPS	R.RISE	14.5	14.5	+5	+5	61.5	61.5	+5	+8
LENGTH CB	LEG OPENING								
LENGTH CF	SIDE LENGTH	58.5	58.5	+5	+2	61.5	61.5	61.5	+8
SLV OPENING	SIDE LENGTH								
SLV LENGTH	INSEAM LENGTH								
ARM HOLE									

NECK WIDTH		21.2	+1	+5	+8	22	+1	+2	+8
NECK DROP		31.5	31.5	+8	+1	24.5	+5	+5	+5
B.NECK DROP		32.5	+1	+1	+5	35.5	35.5	35.5	+5

DEFECTS	CRITICAL	MAJOR	MINOR
HOLE		01	
WAVY AT FACHING		03	
LYCUT		04	
TOTAL DEFECT		08pcs	

Table 3.5: In-Line Sewing Inspection Report

Description:

We found and streaming issue underneath.

- Fabric shading some deferent from our unique Swatch fixing Sample.
- Print is looking sparkly less.
- Dirty sport
- Hole
- Neck rib free
- Crease sign of the front

3.6 Experimental Data-Hourly QC Pass Production Report –Sewing:

Hourly QC Pass Production Report of GMS Composite Knitting Ind. Ltd.

Buyer Name: ORSAY

Style No: JULESSHO

GMS Composite Knitting Ind. Ltd.
Hourly QC Pass Production Report - Sewing

GMS QA - 082SE

Saturday			Sunday			Monday			Tuesday			Wednesday			Thursday		
Buyer	ORSAY		Buyer	ORSAY		Buyer	ORSAY		Buyer			Buyer	ORSAY		Buyer	ORSAY	
Style	JULESSHO		Style	JULESSHO		Style	JULESSHO		Style			Style	JULESSHO		Style	JULESSHO	
P.o			P.o			P.o			P.o			P.o			P.o		
Hour	Check Qty	QC Pass Qty	Hour	Check Qty	QC Pass Qty	Hour	Check Qty	QC Pass Qty	Hour	Check Qty	QC Pass Qty	Hour	Check Qty	QC Pass Qty	Hour	Check Qty	QC Pass Qty
08-09	85	80	08-09	107	100	08-09	105	100	08-09			08-09	87	70	08-09	110	100
09-10	108	100	09-10	135	130	09-10	107	100	09-10			09-10	86	80	09-10	115	110
10-11	117	110	10-11	138	130	10-11	109	110	10-11			10-11	88	80	10-11	137	130
11-12	126	120	11-12	136	130	11-12	106	100	11-12			11-12	85	80	11-12	156	150
12-01	119	110	12-01	139	130	12-01	108	100	12-01			12-01	59	50	12-01	148	140
Lunch Interim			Lunch Interim			Lunch Interim			Lunch Interim			Lunch Interim			Lunch Interim		
02-03	112	110	02-03	107	100	02-03	127	120	02-03			02-03	87	80	02-03	130	130
03-04	105	110	03-04	125	120	03-04	125	120	03-04			03-04	85	80	03-04	135	130
04-05	106	100	04-05	128	120	04-05	126	120	04-05			04-05	110	100	04-05	147	140
05-06	108	110	05-06	126	120	05-06	128	120	05-06			05-06	105	100	05-06	146	140
06-07	109	110	06-07	125	120	06-07	129	120	06-07			06-07	106	100	06-07	149	140
Total	1120	1050	Total	1260	1200	Total	1180	1110	Total			Total	888	820	Total	1381	1310
Total Alter	70		Total Alter	60		Total Alter	70		Total Alter			Total Alter	68		Total Alter	71	
Total Reject	15		Total Reject	25		Total Reject	26		Total Reject			Total Reject	18		Total Reject	35	

INCHARGE/QAD _____ INCHARGE/PO _____ APM/DPM/PM _____ AQM/QAM _____

Fig 3.6: - Hourly QC Pass Production Report –Sewing

GMS COMPOSITE KNITTING IND.LTD.

Sardagonj, Kashimpur, Gazipur-1346

Sewing Department

Hourly QC Pass Production Report

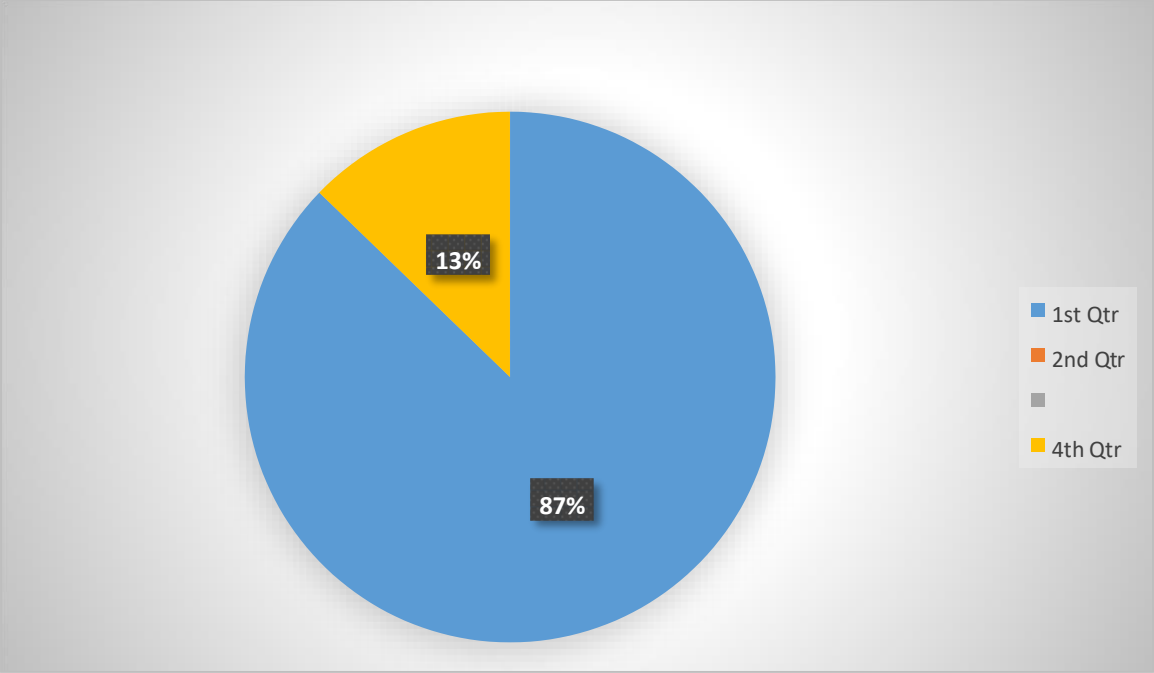
	Saturday		Sunday		Monday		Tuesday		Wednesday		Thursday
Buyer	ORSA Y	Buyer	ORSA Y	Buyer	ORSA Y	Buyer	ORSA Y	Buyer	ORSA Y	Buyer	ORSA Y
Style	JULES SHO	Style	JULES SHO	Style	JULES SHO	Style	JULES SHO	Style	JULES SHO	Style	JULES SHO
PO		PO		PO		PO		PO		PO	

Hour	Check	Qty	Hour	Check	Qty	Hour	Check	Qty	Hour	Check	Qty	Hour	Check	Qty	Hour	Check	Qty
8-9	85	80	8-9	85	80	8-9	85	80	8-9	85	80	8-9	85	80	8-9	85	80
9-10	108	100	9-10	108	100	9-10	108	100	9-10	108	100	9-10	108	100	9-10	108	100

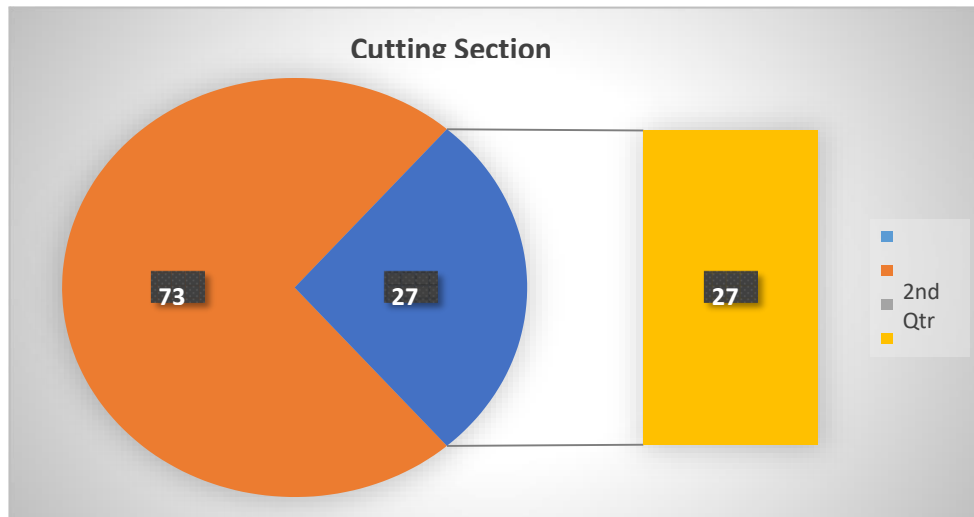
10-11	117	110	10-11	117	110	10-11	117	110	10-11	117	110	10-11	117	110	10-11	117	110
-------	-----	-----	-------	-----	-----	-------	-----	-----	-------	-----	-----	-------	-----	-----	-------	-----	-----

11-12	126	120	11-12	126	120	11-12	126	120	11-12	126	120	11-12	126	120	11-12	126	120
12-01	119	110	12-01	119	110	12-01	119	110	12-01	119	110	12-01	119	110	12-01	119	110
Lunch Interim			Lunch Interim			Lunch Interim			Lunch Interim			Lunch Interim			Lunch Interim		

Table 3.6: Hourly QC Pass Production Report –Sewing



Graph No: 3.7 After 1-hour inspection



Graph No: 3.8 Cutting Section Inspection

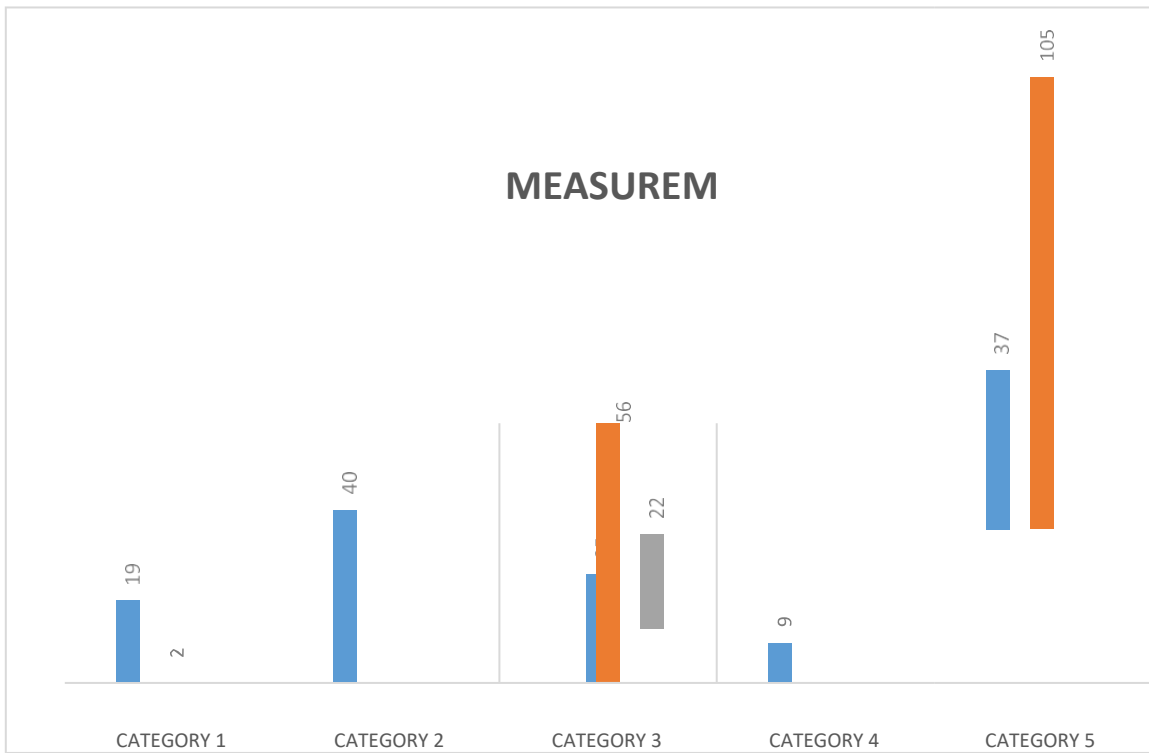


Figure 3.10 Defect Measurement

CHAPTER-4

DISCUSSION OF RESULT

4.1 After 1-hour inspection

Following a 1-hour cutting example examination, the final 100 laptops pieces of clothing design 87 of them quality passed.

Reject 13 of them—absolute checked computers in rate 87% and all-out deformity 13%.

In the beginning, my industry got order 1000 clothing design of laptops. Then started work on it. After one hour industry completed 100 pieces of them. 87% or pieces of them are quality passed and other 13 pieces are rejected. This 13% or pieces are rejected during manufacturing the garments. And due to few reasons such as skip stitch, broken stitch, puckering, raw edge and other factor. This rejection can be reduced by taking some steps. Industry have to be very careful during sewing the garments. Expert operator is required to sewing the garments.

4.2 Cut panel Inspection Report Analysis:

Cut board's examination report from GMS Composite Knitting Ind. Ltd. It appeared in figure 3. This is an output duplicate of their unique cut board. In this report production line taken care of the job for the cut board group chronic number. All out assessment 450 example laptops. Absolute oddball 18 laptops. QC supplant the imperfection segment from the part from the equilibrium texture. Which texture QC records the number of layers that have total from one another roll. Here discover three imperfection at three packs and recuperation this deformity. They showed deformity in this report.

4.3 Sewing Inspection Report Analysis:

Sewing investigation report from GMS Composite Knitting Ind. Ltd. As shown this figure 5 is a sweep duplicate of their examination report. In this report. This report appeared and checked boundaries given reviewed articles of clothing; two here investigate Qty 100 and imperfection 7. Here part concealing deformity 5 avoids one and string cut 1. In

4.4 Reason of Rejection in cutting section

There are very reasons are responsible behind the cut panel rejection. Those are reject for knitting hole, AOP problem, reject for the needle hole, reject for the yarn contamination, reject for spot, GSM cut, cutting problem. In cutting panel rejection is nearly 2%. Most rejection have occurred for GSM cut and knitting hole problem. Basically we are not able to reduce all this problem. But taking some important steps we can minimize this problems then the wastage percentage will be lower. So company will can earn much profit.

4.5 Discussion of reduce fabric rejection in cutting section

- If we make a good marker fabric then wastage can be reduce.
- If we can able to reduce the amount of defect which came from dyeing section then automatically fabric wastage will reduce.
- By using well fabric spreading and well marker placement then automatically fabric wastage will be reduce.

There are another important thing we have to maintain that after bring the fabric from store to cutting section fabric should have relax 2 or 3 day. For this fabric become prepare properly for cut. After giving relax fabric then it should cut it by skilled cutter man. It is much important to get a good result.

Following 10 hours end line examination assessor investigator review the absolute 124 imperfections found.

Here, the first most elevated deformity is Neck Shape 19 imperfections found.

Second most elevated Oil Mark 9 deformities found.

The third highest deformity is concealing 22 imperfections found.

CHAPTER-5
CONCLUSION

Conclusion:

We finished our undertaking by gathered by the examination from GMS Composite Knitting Ltd. This undertaking is vital for us, it additionally assists us to know the assessment technique, and we likewise know the sewing and cutting flaws. We take in numerous sorts of data from this project; it will assist us with fostering our vocation .so from the start to fulfill the audit technique of the surface. Regarding the appraisals in the surface, trims, and additional territories, the surface is the principal material in the creation, so its surface is extraordinary and made incredible quality pieces of clothing. The cutting region made model in adjust shrinkage at the point made marker from the plan from the outset. Handling plant takes offer acceptable unmistakable audits in review sections here buyer gave everyday thing, so all thing takes after this standard worth. Five driver examinations give insights into this report. Presently we can guarantee our efficiency and discover our serious issues, sewing and cutting shortcomings. However, it is a critical issue for the pieces of the clothing industry; that is the reason it additionally gives insights about esteem. Here all things keep up the standard necessities of things. Along these lines here modern office keeps as pieces of clothing examination report and last QA computation report.

Reference

- <http://www.garmentsmerchandising.com/8-sewing-faults-with-causes-and-remedies/>
- <http://www.google.com>
- <http://www.fashion.com>
- <http://www.wikipedia.com>
- www.gmsbd.com

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