

# Why you need to optimize your fabric delivery packing list?



What is 4 point fabric inspection system?

The quality of a finished item in the apparel industry mostly depends on the quality of fabric when it is collected as a roll from mills. Even it occupies 60/70 percent of total garments cost. Apparel industry should take some defensive actions to ensure the quality fabric is only being used in their items

The 4-Point System assigns 1, 2, 3 and 4 penalty points according to the size, quality, and significance of the defect. No more than 4 penalty points is assigned for any single flaw. A defect can be measured either length or width direction; the system remains the same.

# Understanding 4 point system



## Criteria for giving penalty points

Criteria for giving penalty points:

In the following table the penalty evaluation points has been given for different length of fabric defect and dimension of holes.

<b>Defect Size</b>	<b>Penalty points</b>
<b>Length of defects in fabric (either length or width)</b>	
<b>Defects up to 3 inches</b>	<b>1</b>
<b>Defects &gt; 3 inches <math>\leq</math> 6 inches</b>	<b>2</b>
<b>Defects &gt; 6 inches <math>\leq</math> 9 inches</b>	<b>3</b>
<b>Defects &gt; 9 inches</b>	<b>4</b>
<b>Holes and openings (largest dimension)</b>	
<b>1 inch or less</b>	<b>2</b>
<b>Over 1 inch</b>	<b>4</b>

# What is an Acceptable Level?



## What is acceptable points levels?

It is up to the client to set the maximum number of defects per 100 yards, which is a maximum of 20-40 points per 100.

In general, acceptable level of 'points per 100 linear yards' or 'points per 100 square yards' are different for different fabric types. For example:

- For Cotton Twill/Denim 28 points per 100 square yards (23 points per 100 square meters) for individual fabric roll
- For All synthetic fabrics 20 point per 100 square yards (16 points per 100 square meters) for individual fabric roll

# What is the business problem here?



## What is the business problem?

To **maintain the average points** of the delivery lot the dispatch staff tend to create a packing list of bales with less than or equal to the points specified by the buyer.

So all low point bales get delivered earlier and the company accumulates a big portion of bales with higher points.

This results in degraded stock and high no of seconds stock and loss of valuation.

Ideally, a mix of high proportion of high point bales along with low points bales must be delivered while maintaining the buyer specified average points for the lot.

# So what is the solution?



## How our tool solves this problem?

We have developed an advanced software tool employing AI based algorithms that will generate the packing list for the required meters with optimum mix of high point and low point bales avoiding the use of only low point bales (using the stock available in the finished goods warehouse)

## How it works?



Export the fabric stock into an excel file of given format and load into the system.



Give the details of the delivery requirements



The tool generates the optimized packing list



Load the packing list into excel or PDF or take print out as a Report

*Contact us for more details.  
You can visit our website and book an online demo  
or download a trial copy.*



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[www.sapientit.in](http://www.sapientit.in)

[ashokkumar@sapientit.in](mailto:ashokkumar@sapientit.in)

9384455499