

Appendix C: Raw data tables

Table C1 Efficiency hit rate % (August – October 2025)

Efficiency Hit Rate.									
Date wise Sl No	AR-Tex Composite with Trafiq light process control			NR Knitting Mills Ltd with Trafiq light process control.			NRG Knit Composite without process control		
	August	September	October	August	September	October	August	September	October
1	99.40%	95.13%	95.46%	98.57%	99.39%	100.10%	91.49%	90.14%	90.60%
2	101.26%	94.68%	100.00%	99.44%	99.07%	100.20%	90.42%	94.84%	91.70%
3	100.16%	101.48%	95.70%	100.19%	99.68%	99.49%	92.62%	91.22%	91.97%
4	101.70%	101.77%	89.18%	99.81%	103.13%	99.71%	93.56%	89.04%	90.44%
5	101.66%	101.84%	88.34%	98.85%	98.33%	99.39%	95.57%	91.82%	95.14%
6	100.54%	101.73%	93.12%	99.81%	100.16%	101.52%	91.89%	92.20%	91.51%
7	98.05%	101.45%	90.58%	99.83%	100.92%	97.39%	92.04%	88.56%	91.93%
8	102.33%	101.07%	90.18%	99.76%	99.09%	101.03%	94.58%	92.54%	95.36%
9	99.16%	101.56%	96.47%	101.05%	99.58%	99.28%	97.36%	92.20%	96.45%
10	98.11%	101.59%	94.74%	100.04%	100.30%	98.36%	92.45%	90.51%	93.92%
11	101.64%	102.12%	94.17%	99.60%	99.78%	99.43%	93.47%	93.84%	90.04%
12	102.15%	101.55%	98.37%	100.67%	99.23%	98.30%	95.07%	93.91%	92.32%
13	100.75%	101.62%	98.67%	99.44%	98.92%	100.82%	93.64%	87.91%	93.20%
14	98.74%	101.15%	99.38%	98.42%	99.67%	99.68%	92.25%	92.41%	89.97%
15	102.06%	100.90%	96.93%	98.18%	101.34%	100.16%	94.78%	92.37%	94.33%
16	99.08%	101.86%	100.03%	100.33%	100.58%	100.26%	94.10%	93.05%	93.07%
17	101.51%	101.58%	100.03%	100.73%	100.39%	100.30%	90.00%	86.82%	93.25%
18	99.26%	101.47%	94.30%	100.20%	100.64%	100.27%	91.21%	88.24%	92.97%
19	102.51%	101.32%	98.62%	97.14%	98.98%	99.82%	91.97%	93.38%	92.00%
20	98.39%	100.49%	100.46%	97.21%	99.62%	98.59%	90.40%	90.95%	90.89%
21	101.29%	101.02%	100.11%	98.26%	99.34%	99.22%	96.68%	91.61%	92.99%
22	100.21%	100.80%	102.49%	98.90%	100.11%	99.28%	88.88%	91.06%	97.23%
23	100.34%	99.87%	101.65%	99.39%	100.19%	98.85%	92.33%	91.99%	96.19%

24	101.55%	102.21%	102.96%	97.72%	98.90%	100.56%	91.94%	92.42%	90.95%
25	100.16%	101.50%	102.85%	99.70%	99.27%	98.76%	90.98%	102.98%	90.40%
26	0.00%	100.49%	102.25%	0.00%	99.60%	100.79%	0.00%	94.43%	90.57%
Average	96.62%	100.86%	97.19%	95.51%	99.85%	99.68%	89.22%	91.94%	92.67%

Note: Weekend days are not included in the Sequential Day (SI No) count.

Table C2 Monthly average efficiency hit rate by factory group

Time	Group 1: AR-TEX (TLS)	Group 2: NRK (TLS)	Group 3: NRG Knit (No TLS)
August	96.62%	95.51%	89.22%
September	100.86%	99.85%	91.94%
October	97.19%	99.68%	92.67%

Table C3 Two-Factor ANOVA without replication results for hit rate

Anova: Two-Factor Without Replication						
<i>SUMMARY</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>		
Row 1	3	2.813441246	0.937813749	0.001591858		
Row 2	3	2.926501109	0.97550037	0.00238551		
Row 3	3	2.895375186	0.965125062	0.001262488		
Column 1	3	2.946649275	0.982216425	0.00052865		
Column 2	3	2.950397949	0.983465983	0.000604583		
Column 3	3	2.738270317	0.912756772	0.000330543		
ANOVA						
<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Rows	0.002273836	2	0.001136918	6.956660266	0.049861781	6.94427191
Columns	0.009825997	2	0.004912999	30.06202581	0.003891151	6.94427191
Error	0.000653715	4	0.000163429			
Total	0.012753548	8				