



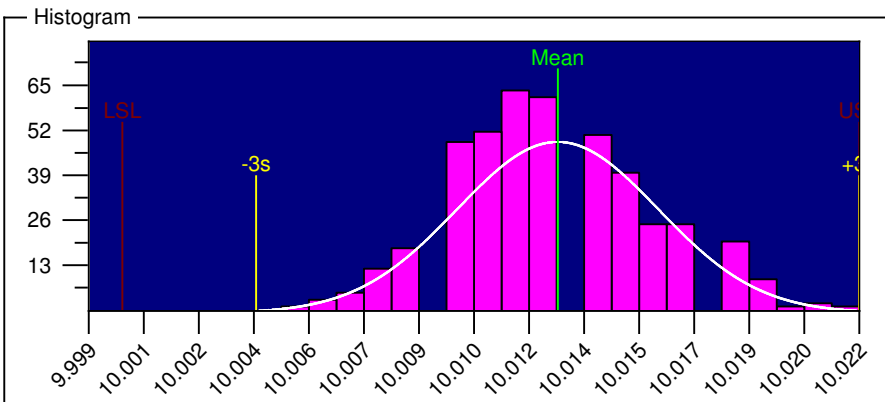
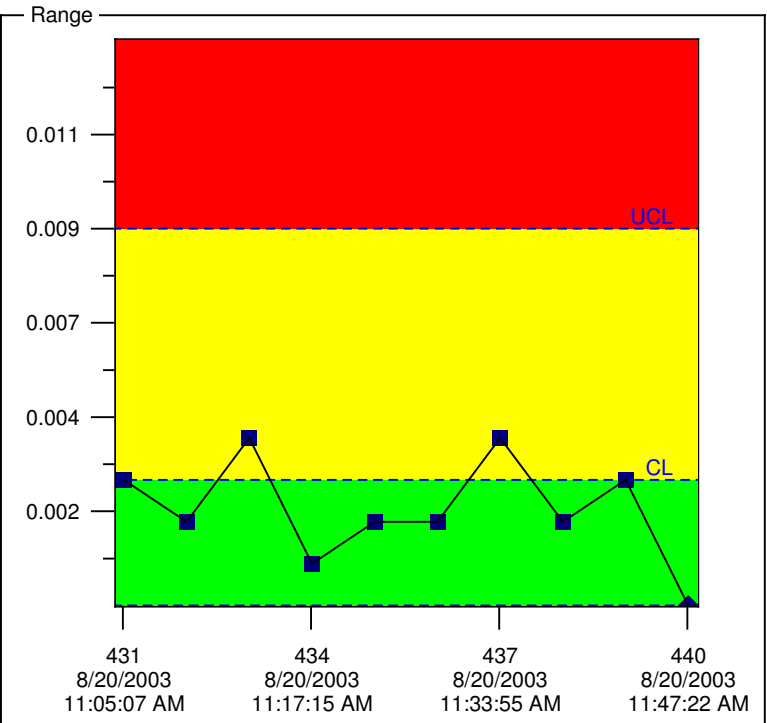
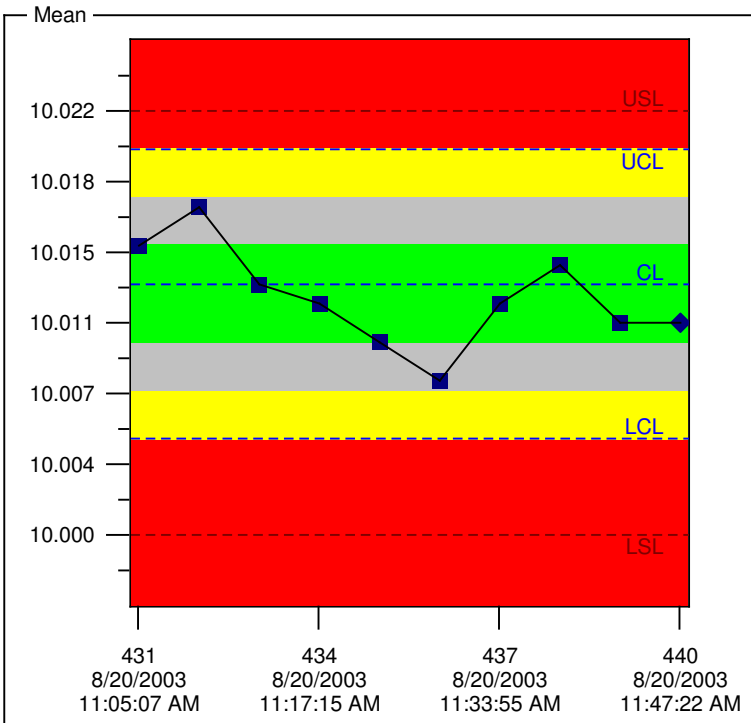
Keshrup Systems Pvt. Ltd.

Chart: DIA	Part: Sample Part	Computer: Keshrup			
Chart Type: X/MR	Moving Range: 2	Customer: TVS			
Special Tolerance: 10.000/10.022	USL: 10.022	Machine: Machine 1			
Data Code: 1 = 1, 0 = 0	LSL: 10.000	Sequence Number:			

Data Selection <All Data>
Subgroup Range: 1 - 440
Date/Time Range: 8/7/2003 1:19:59 PM - 8/20/2003 11:47:22 AM

Statistics			
Subgroups: 440	Cpk (3s): 1.21	LCLr (Calc): 0.000	
Mean: 10.013	PCR: 68	UCLx (Act): 10.020	
Range: 0.003	UCLx (Calc): 10.020	LCLx (Act): 10.005	
Std Dev: 0.00249	LCLx (Calc): 10.005	UCLr (Act): 0.009	
Cp (3s): 1.47	UCLr (Calc): 0.009	LCLr (Act): 0.000	

Subgroup	431	432	433	434	435	436	437	438	439	440
Date	8/20/2003	8/20/2003	8/20/2003	8/20/2003	8/20/2003	8/20/2003	8/20/2003	8/20/2003	8/20/2003	8/20/2003
Time	11:05:07 AM	11:09:34 AM	11:12:20 AM	11:17:15 AM	11:21:59 AM	11:27:43 AM	11:33:55 AM	11:36:49 AM	11:43:07 AM	11:47:22 AM
S1	10.015	10.017	10.013	10.012	10.010	10.008	10.012	10.014	10.011	10.011
Operator	Supervisor	Supervisor	Supervisor	Supervisor	Supervisor	Supervisor	Supervisor	Supervisor	Supervisor	Supervisor
Status										
User Keys										
Mean	10.015	10.017	10.013	10.012	10.010	10.008	10.012	10.014	10.011	10.011
Range	0.003	0.002	0.004	0.001	0.002	0.002	0.004	0.002	0.003	0.000



Histogram Statistics			
Cells:	21	% In Spec (est): 99.92	
Samples:	440	% Below Spec (est): 0.00	
Lgst. Cell Pop. (act):	64	% Above Spec (act): 0.00	
Lgst. Cell Pop. (est):	50	% In Spec (act): 100.00	
Mean:	10.013	% Below Spec (act): 0.00	
Sigma:	0.00287	Maximum:	10.022
Pp (3s):	1.28	Minimum:	10.005
Ppk (3s):	1.05	Mean+3s:	10.022
PPR:	78	Mean-3s:	10.004
Skewness:	0.2374	ChiSq (est):	28.90
Kurtosis:	-0.1134	ChiSq (act):	139.02
Interval:	0.001	Confidence:	97.5
% Above Spec (est):	0.08	Deg. Freedom:	18
		NON-NORMAL	