

# Comparison Between DRO & Software Based System



**V/S**



Sr. No.	Parameter	DRO	Software
1	<b>Economics</b>	Economical solution	Expensive as you require a PC or a tablet to run the same
2	<b>Reverse Engineering</b>	Export to CAD for reverse engineering is not possible	Its possible
3	<b>Reporting</b>	Either take a print out or notes the results and then make the report on PC	Direct transfer to Excel or PDF
4	<b>Color Coded Pass and Fail</b>	Its and LCD/LED display so no colors	Possible
5	<b>Tolerancing</b>	Not possible in simple DRO but only in high end like QC 2006	Possible
6	<b>Graphical View</b>	Very limited	Fully editable graphical view with dimension marking
7	<b>Data Transfer</b>	Limited though USB or Hyper terminal into PC	Seamless data transfer in any format .xls, PDF, IGS, DXF
8	<b>Maintenance</b>	Hardware cost is high	Even if the software is corrupted, reinstall the same
9	<b>CNC option</b>	Cannot be used with CNC profile Projectors	Can be used in both manual and CNC option
10	<b>Profile tolerance (Comparison)</b>	Not Possible	Possible
11	<b>Environmental Factors</b>	DRO is an industrial equipment can work at extreme temperatures as well as in dusty conditions	Since the software runs on a PC which needs a dust free environment
12	<b>Ergonomics</b>	Since its portable so it makes it handy and easy to operate just besides the projector	Operating mouse can be slight inconvenient but a touch screen option can remove this disadvantage