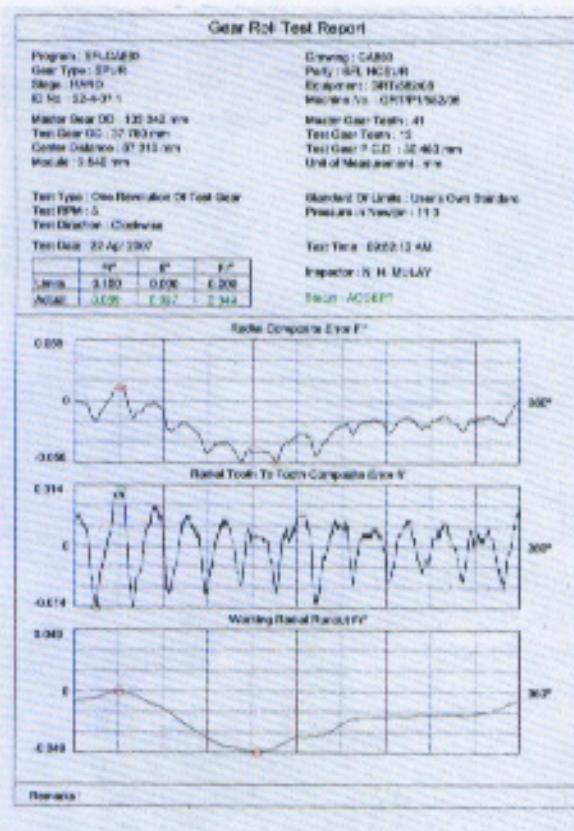
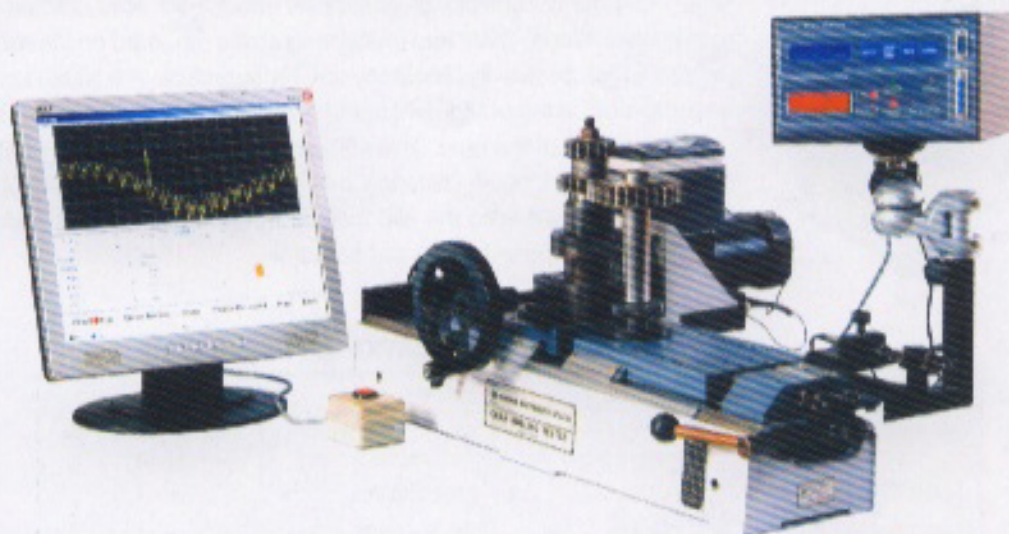


COMPUTERIZED GEAR ROLL TESTER



Useful for checking Total Composite Error, Tooth-to-Tooth error and Radial Runout error of spur and helical gears.

Features:

1. User friendly software.
2. Measurement of following parameters as per DIN 3963.
 - Fr'-Double Flank Rotational Deviation (Total Composite Error)
 - fr'-Double Flank Tooth to Tooth Error.
3. Fr''-Runout Error.(Radial) using users standard in programme Mode of software.
4. As per defined DIN grade / user standard pre-determined Values, the test report obtained, indicates Accept / Reject remark.
5. Obtain / recall history data.
6. Test report generation in Graphical format - Facility in software to select the Graph. (Radial Run-Out).
7. Report E-mail facility.

Computerized Gear Roll Tester is the latest in the series of models of Double Flank Gear Testers. The instrument consists of robust basis instrument, Gear driving mechanism, Digital indicating Unit/Control unit, high precision linear measurement Probe, Motor Drive Unit and software.

The basic instrument have fixed slide and floating slide accordingly. The floating slide is mounted on Linear Motion Guides in order to achieve the excellent sensitivity, accuracy and repeatability. The component gear is meshed with master gear and the assembly is rotated through motor drive unit. The test data achieved by probe is displayed in digital indicating unit, when operated without computer / Software. If test is conducted using software, the test data is transferred to PC directly through Digital Indicating Unit.

The test report also can be printed on Dot Matrix Printer from Digital Indicating Unit through printer port on the same.

TECHNICAL SPECIFICATIONS

Parameter Model	CGRT-P0	CGRT-P1	CGRT-P2
Overall Dimensions(Basic unit)	L545 x W500 x H300 (mm approx)	L725 x W500 x H300 (mm approx)	L975 x W540 x H350 (mm approx)
Centre Distance	35-200 mm	60 to 220 mm	60 to 350 mm
Shaft gear length	250 mm	500 to 700 mm (Max.)	700 mm (Max)
Weight of Basic equipment a)without column b)with column	50 kg. (approx.) 60 kg (approx.)	68 kg.(approx.) 85 kg (approx.)	130 kg. (approx.) 176 kg. (approx.)
Measurement System	High Precision LVDT Probe L.C.001 mm Range 2 mm	High Precision LVDT Probe L.C.001 mm Range 2 mm	High Precision LVDT Probe L.C.001 mm Range 2 mm
Repeatability	Within 0.005 mm	Within 0.005 mm	Within 0.005 mm
Power Requirements	Single phase 230 V, 50 Hz (±10%)	Single phase 230 V, 50 Hz (±10%)	Single phase 230 V, 50 Hz (±10%)
Testing Speed	3 - 15 RPM	3 - 15 RPM	3 - 15 RPM

Short Center Attachment: The Short Center Attachment is available to obtain lower min. C.D. of 25 mm for model P0 and 35 mm for model P-1 & P-2 respectively