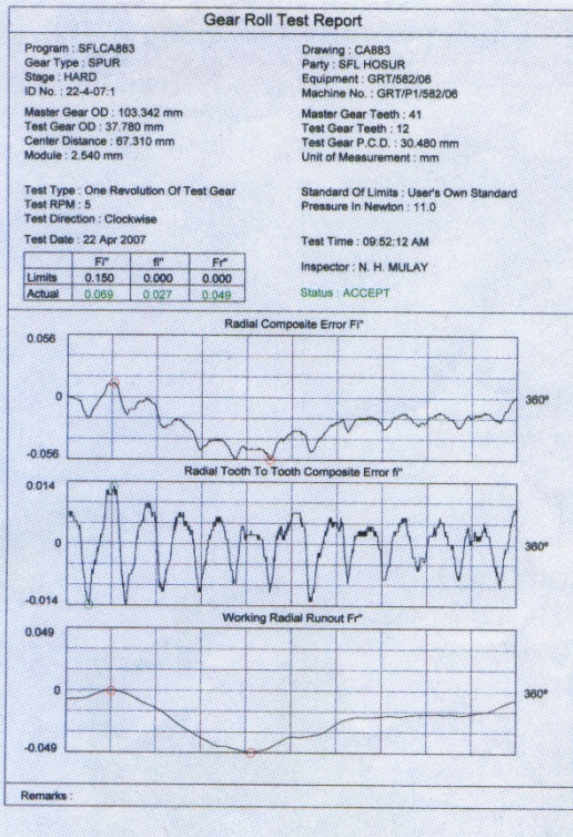
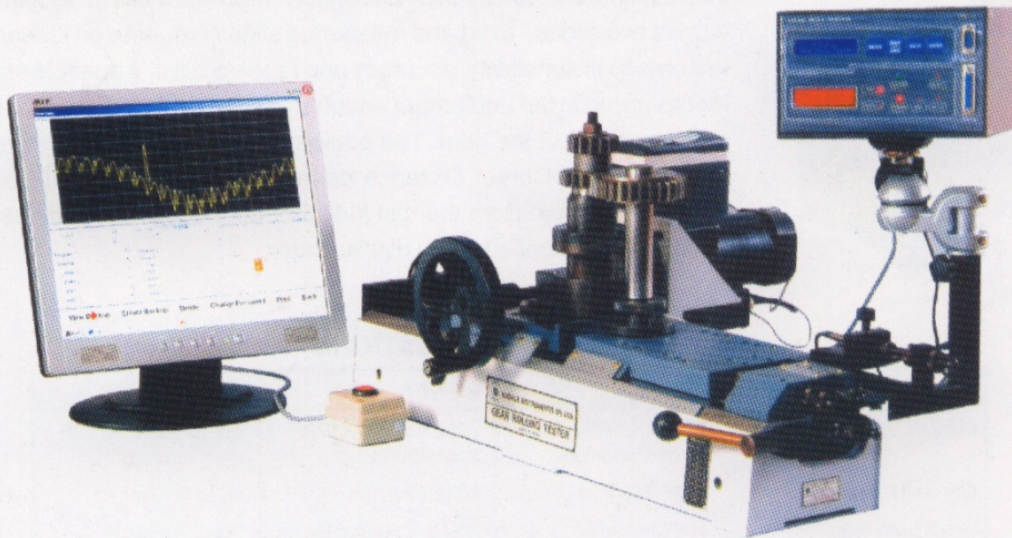


COMPUTERIZED GEAR ROLL TESTER



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.
 - Fi"-Double Flank Rotational Deviation (Total Composite Error)
 - fi"-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.

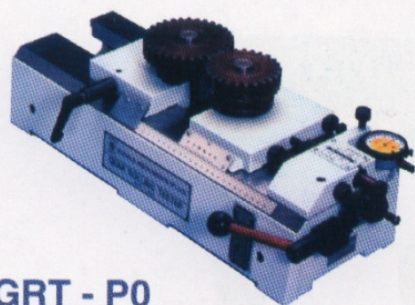
The test report also can be printed on Dot Matrix Printer from Digital Indicating Unit through printer port on the same.

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	80 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.) 175 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

Double Flank Gear Rolling Tester - Manual Models



GRT - P0

The equipment consists of accurately machined solid, robust CI base which carries two slides - fixed and measuring slides mounted on Linear Motion Guides, ensures high sensitivity, accuracy and repeatability. A suitable spring mechanism incorporated in the equipment enables user to set the spring pressure, depending on the module of the gear. The equipment fitted with a linear scale with a vernier enables to set Center Distance coarsely. The Displacement of the measuring slide can be read from the dial indicator connected to the measuring slide. The equipment is supplied with a dial indicator.

TECHNICAL SPECIFICATIONS

Parameter Model	GRT-PO	GRT-P1	GRT-P2
Overall Dimensions	545LX265W X170H (mm approx)	725LX265W X170H (mm approx)	950LX300WX210H (mm approx)
Centre Distance	35-200 mm	60 to 220 mm	60 to 350 mm
Shaft gear length	250 mm	500 to 750 mm (Max.)	700 mm (Max)
Weight of Basic equipment			
a)without column	45 kg. (approx.)	61.50 kg.(approx.)	125.00 kg. (approx.)
b)with column	54.00 kg (approx.)	80.00 kg (approx.)	170.00 kg. (approx.)

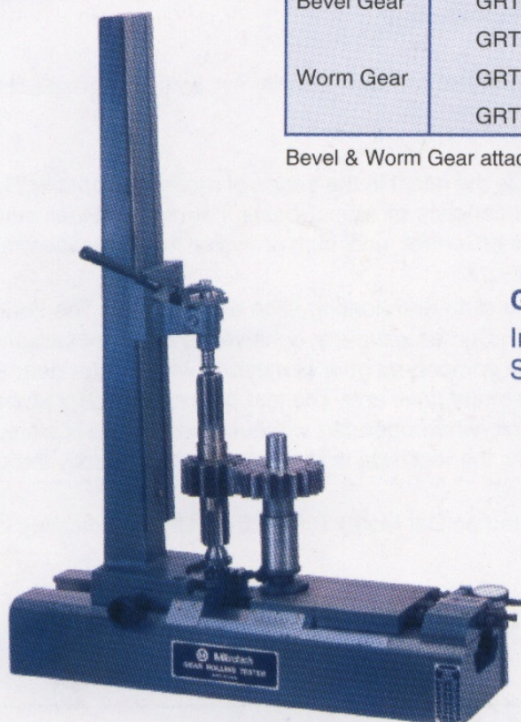
Short Center Attachment : The Short Center Attachment is available to obtain lower min. C.D. of 25 mm for model P0 and 35 mm for model P-1 & P-2 respectively

SPECIFICATIONS FOR BEVEL & WORM GEAR ATTACHMENT

Gear Attachment	Model	Centre Distance (C)		Height Adjustment (H)		Dimensions	
		Min	Max	Min	Max	D	L
Bevel Gear	GRT P1	52	230	90	240	-	-
	GRT P2	70	370	100	240	-	-
Worm Gear	GRT P1	40	84	90	240	139	254
	GRT P2	35	200	100	240	152	430

Bevel & Worm Gear attachments are available only on models GRT P1 & P2.

GRT - P1 ▼
With High Center attachment



GRT - P1 ▶
Indexing fixture for Shaft Gear



GRT - P2 ▶
Worm Gear Test Attachment



Manufactured by :

**KUDALE INSTRUMENTS
PVT. LTD.**

Group Companies :



Mikrotech



**MIKROTECH
SALES & SERVICE**

Correspondence Address

"Precision House" 98 A/17, Hadapsar Industrial Estate, Pune : 411 013, (INDIA)

Tel.: 91-020-26870567, 26872068. Fax : 91-020-26875383. Email : msands@vsnl.com Web Site : www.kudaleinstruments.com

Note : We reserve the right to make changes in the design indicated in this catalogue without prior notice.