



Gear Rolling Tester Model **GRT-04**

Specifications

Gear Outside Diameter max.	..... $\phi 160$	Dimensions	..... W-550mm
Distance Between Centers max.	..... 310mm		..... D-421mm
Module max.	..... 2.0		..... H-375mm
Rev.Speed max.	..... 3.5rpm	Weight	..... Approx.60Kg

Function

To measure the composite error of fine pitch gears relative to the function of center distance oscillation during dual flank meshing between test piece (gear/pinion) and master gear. This machine can be used either in an inspection room environment or on the job.

Features

In addition to general gears, GRT-04 can be used to measure other gear products such as plastic gears for office equipment (i.e. copy machines, fax machine, printers etc..) along with longer motor shaft gears upto 12 inches in length.

The center distance deviations are detected continuously with our small displacement detecting system which utilizes a differential capacitance device for frequency modulated (FM) signal output.

Options

With optional data analyzing software you can classify your gear products to meet with a specified gear accuracy such as AGMA, ISO and or DIN.

- Fourier Series Analysis
Stored data can be analyzed further with optional fourier analysis software.

Example: The degree of deformation by the gate hole arrangement with molding cavity and its excentricity with plastic gears can be determined using this software.

