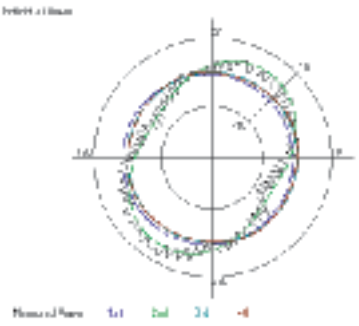
TRU-VOLUTE ®

X-Y diagram



R-θ diagram

Gear Rolling Tester Model GRT-04

Specifications

Gear Outside Diameter max.	.....	*ϕ 160*	*Dimensions*	.....	*W-550mm*
Distance Between Centers max.	.....	*310mm*			*D-421mm*
Module max.	.....	*2.0*			*H-375mm*
Rev.Speed max.	.....	*3.5*	*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.

20011003

RUSSELL, HOLBROOK & HENDERSON, INC.
17-17 Route 208 North Fair LA WN, NJ 07410
Phone:(201)796-5445 Fax:(201)796-5664
e-mail:sales@tru-volute.com http://www .tru-volute.com

OGASAWARA PRECISION LABORATORY, LTD.
927-10 Shimosakunobe Takatu-ku Kanagawa-pre Japan 213-0033
Phone:+81(044)877-3511 Fax:+81(044)888-4301
email:sales@og-pl.co.jp http://www.og-pl.co.jp