



Kudale Instruments  
(P) Ltd.

# **Gear Roll Tester, Model DO-0**



**INSTRUMENT FOR**

**INSPECTION OF**

**PRECISION GEARS**

**OF SMALLER DIMENSIONS**



**Double Flank Gear Roll Tester, Model DO-0 is useful for inspection of gears for :**

- Tooth to Tooth error (TTE)
- Tooth to Tooth Composite Error (TTCE)

## DESIGN

The high precision and delicate design of instrument facilitates the gear inspection, particularly of smaller dimensions to a greater extent. It is an ideal device for checking the metallic as well as plastic gears with high sensitive and accurate mechanism.

The basic unit consists of two major sub-assemblies such as Right Side and Left Side. The right side mainly includes the heat treated machine base with gauge finish ground vee and reciprocal top slide. The machine base is treated for its dimensional stability. The top slide is precision engineered and special bearing mounted mechanism with lead screw and handle. The component arbor is mounted on this slide on suitable arbor. The assembly also provides facility to set the desired measuring pressure. The dial indicator is fitted on this slide.

The Left slide is also fitted on vee vertically thus it can be positioned at desired height as per the requirement. This assembly is consisting of rotating gear train mechanism and master gear mounting arbor.

The component gear is mounted on the arbor at right side and similarly master gear or mating part on left side. Both the gears are meshed and rotated. The deflection due to composite error or tooth to tooth error is indicated on the dial gauge.

## TECHNICAL SPECIFICATIONS

Max Gear Diameter – 120 mm

Center Distance – 35 – 85mm

Module/DP – 0.1 – 2

Measuring accuracy: 0.001 mm.

The Attachment for inspection of shaft gears is available on demand.

The motorized Unit, supported with gear measuring software is also available on demand.

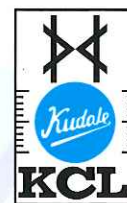
**(We also offer other model of gear roll tester on demand)**



Kudale Instruments  
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Mikrotech



Kudale Calibration  
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