OVER BALL DIAMETER SNAP GAUGE (O.B.D.)

**DESCRIPTION**
- Versatile instrument used for measuring gear O.B.D.
- Highly versatile, large range and can be quickly and easily set to any size within its range
- Hardened and ground measuring spindles
- Lever controlled retraction ensures easy job insertion
- Dials / Probes of Ø 8mm stem can be mounted in two positions in line and 90° to the spindle / measuring axis
- Optional setting masters and interchangeable anvils are available

<table>
<thead>
<tr>
<th>Measuring Range mm</th>
<th>Measuring Force N</th>
<th>Anvil Mounting Hole mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-40</td>
<td>7.50</td>
<td>3.50</td>
</tr>
<tr>
<td>40-80</td>
<td>7.50</td>
<td>3.50</td>
</tr>
<tr>
<td>80-130</td>
<td>10.00</td>
<td>3.50</td>
</tr>
<tr>
<td>130-180</td>
<td>10.00</td>
<td>3.50</td>
</tr>
<tr>
<td>180-230</td>
<td>10.00</td>
<td>3.50</td>
</tr>
</tbody>
</table>

INTERCHANGEABLE ANVILS TYPE
Spindles are having precision bores for mounting various types of interchangeable anvils, to measure shafts, spline shafts, grooves, OBD of gears and other dimensions.

SPAN SNAP GAUGE

**JAW TYPE**
- Versatile instrument used for measuring gear span width
- Lightweight, handy frame
- Highly versatile, large range and can be quickly and easily set to any size within its range.
- Hardened and ground measuring spindles
- Three Flute Tap Measurement

<table>
<thead>
<tr>
<th>Measuring Range mm</th>
<th>Measuring Force N</th>
<th>Size mm</th>
<th>Measuring Face Flatness μm</th>
<th>Parallelism μm</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-40</td>
<td>7.50</td>
<td>12 x 12</td>
<td>0.5</td>
<td>4</td>
</tr>
<tr>
<td>40-80</td>
<td>7.50</td>
<td>12 x 12</td>
<td>0.5</td>
<td>5</td>
</tr>
<tr>
<td>80-130</td>
<td>10.00</td>
<td>12 x 12</td>
<td>0.5</td>
<td>5</td>
</tr>
<tr>
<td>130-180</td>
<td>10.00</td>
<td>12 x 12</td>
<td>0.5</td>
<td>5</td>
</tr>
<tr>
<td>180-230</td>
<td>10.00</td>
<td>12 x 12</td>
<td>0.5</td>
<td>6</td>
</tr>
</tbody>
</table>

Gear Shaft Measuring Machine

This is a universal machine used for measuring gear shaft runout & diameters. (By comparison Method)

**Features**
- Sturdy shop floor design. Surface plate & center heads are made from closed grounded, seasoned & stress relieved iron castings on working face
- The center stock spindle is ground lapped to ensure accuracy of the spindle height
- One center is spring loaded for accommodating the different length shafts

**Usage**: Diameter of all shafts, radial runout & axial runout (Optional with extra attachment)

**Technical Specifications**
- Centre Height : 150 mm
- Distance Between Centres : 0-350 mm
- Repeatability : .002mm
UPGRADATION OF GEAR TESTER

Up-gradation of Old CNC Gear Tester under taken by Aditya Engineering Company with the following scope:-

- Mechanical restoration and geometrical alignment as required by machine standards
- Replacement of old electronics with new drive & controller
- With Gear-Soft 5.0 Windows-based gear measure-ment and analysis software
- Various options are available to suit customer needs like internal / external gear inspection, Cam, cutters, gear shifter drums, spline shaft etc.
- All required accessories and fixtures of gear measuring machines are manufactured in-house at our end

Features

- Low cost up-gradation of old CNC 3 Axis / 4 Axis gear tester with indigenous software and electronics.
- Up-gradation are possible on most of the old CNC gear checking machines like Klingelnberg, Hofler, M & M, Mahr, Osaka, Maag & others
- Renishaw scanning SP600 – 3D probes
- Use of latest drive & controller from Delta Tau
- Setting of all mechanical parts to achieve required geometrical accuracies up to class 2 of VDI 2612/13 standards
- Highly skill manpower with in-house manufacturing capabilities & Onsite service support

Software Features

- Online graph plotting, error & DIN class display on screen, standard, crowning, K-Chart type evaluation of gear
- Automatic saving, retrieving & viewing of gear parameters templates. Sequential saving & erasing of graphs
- Platform support any windows operating system, complete reports with analysis

PROFILE MEASUREMENT  LEAD MEASUREMENT  CALIBRATION  TOLERANCE

K-CHART  PITCH RUNOUT  CROWNING DETAILS  TIP RELIEF

Authorised Distributor:

Note: Due to continuous R & D activities at our end, Specifications are subject to change without prior notice.