



# MGPL

An ISO 9001:2000 Certified Company

# MULTIGAUGING

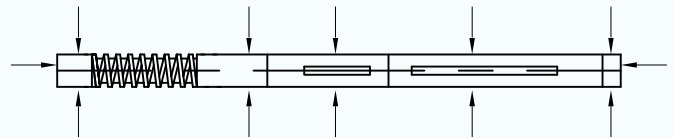
Keeping An Eye On Future & Responding To The Needs Of Industry For Greater Precision, Greater Speed & Labour Saving Solutions With Precision Measuring Technology, MGPL Has Successfully Entered Air Gauging, Air Electronic Gauging, Auto Gauging, Multi Gauging.

MGPL Executed Many Projects For Multi Parameters Checking Of Variety Of Components. MGPL Developed One Of The Most Advanced Interface Units Which Can Be Used With Specifically Designed Relay Outputs For Marking Or Separating Bad Parts.



## SHAFT MULTIGAUGING (Horizontal Model)

Proven design suitable for all kinds of shafts.  
Flexible fixture to check diameters & runouts.  
Offered in Horizontal as well as Vertical design.



## SHAFT MULTIGAUGING (Vertical Model)

MGPL Designed In Between Center gauging fixture is useful to use with large Variety of shafts.

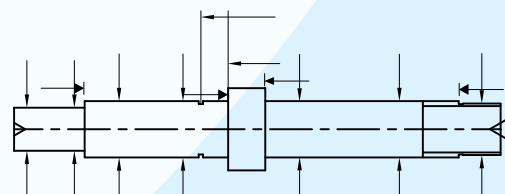
e.g. Cam Shafts, Transmission Shafts, Input, Output Shafts etc.

parameter to check:

- Diameter.
- Lengths.
- Concentricity.
- Runouts.



**CAMSHAFT MULTIGAUGING**  
OP - 80

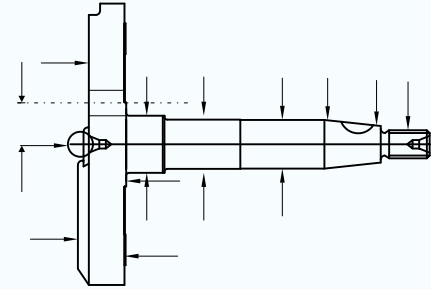




## CRANKSHAFT MULTIGAUGING(2 Wheelers)

TO CHECK :

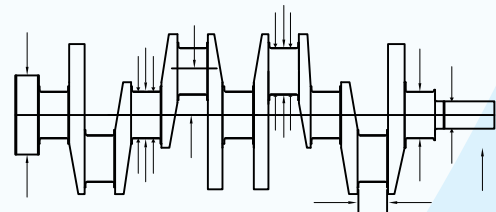
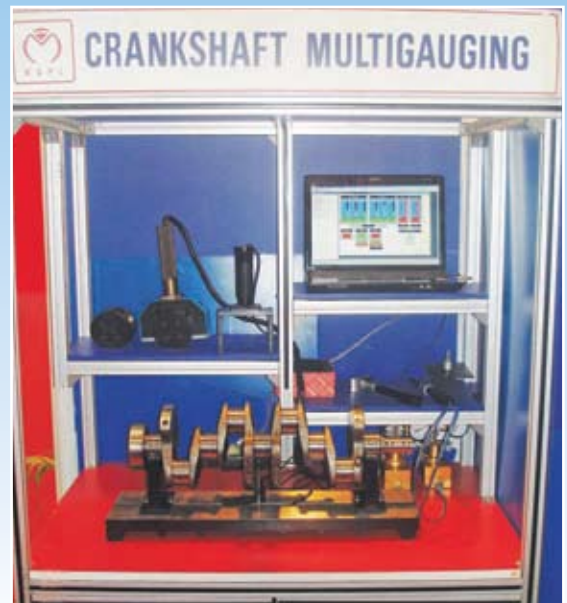
- Outside Diameters (2/3 places).
- Taper.
- Run Out.
- Inside Dia.
- CD.



## CRANKSHAFT MULTIGAUGING (4 WHEELERS)

MGPL supplies total solution measuring following parameters of crankshafts.

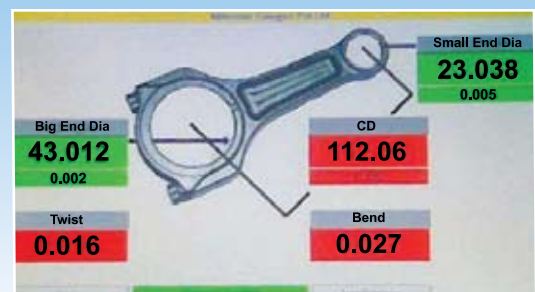
- Pin diameter & Ovality (Convexity if required).
- Journal Diameter and Ovality (Convexity if required).
- Flange End & Gear End Diameter.
- THROW(Center Distance).
- Flange end, Gear End.
- Run outs w.r.t. 2 Journals PIN Width Woodruff Width.

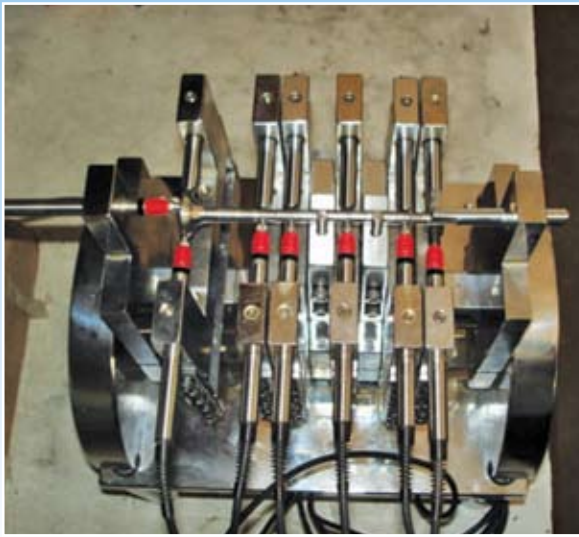


## CONNECTING ROD MEASUREMENT

To check:

- Small End Diameter.
- Big End Diameter.
- Twist.
- Bend.
- Center Distance.

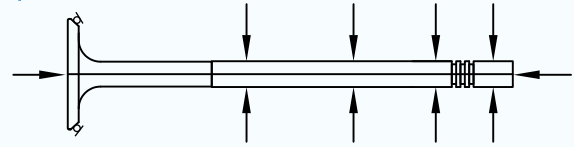




## ENGINE VALVE MULTIGAUGING

Stem Dia measurement at 3 places.

- Stem Diameter.
- Groove Diameter.
- Total Length.
- Gauge Plane Length.



## CRANKPIN MULTIGAUGING

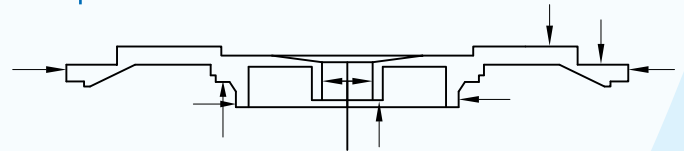
- Checking Diameters.
- Grading.
- Grade marking.



## BACK PLATE MULTIGAUGING

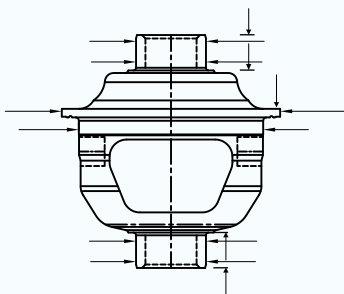
Similar components can be checked for:

- Inside Diameter.
- Outside Diameter.
- Heights.
- Widths.
- Flatness.
- Run Out etc.



## DIFFERENTIAL CARRIER MEASUREMENT

- Outside Diameter.
- Inside Diameter.
- Lengths.
- Run out.





#### CYLINDER BLOCK MEASUREMENT

- Inside bore measurement at 2-3 heights.
- Grading.
- Grade Marking.

#### PISTON MEASUREMENTS

- Diameter Skirt.
- Diameter Groove.
- Diameter Ovality.
- Pin Bore Dia.
- Pin bore center height.

#### CRANKCASE / CENTER HOUSING / HOUSING TURBINE MEASUREMENT

- Inside Diameters.
- Outside Diameters.
- Lengths.
- Widths.
- Flatness.
- Angle.



**CRANKCASE MEASUREMENT MULTIGAUGING**



**CENTER HOUSING MULTIGAUGING SYSTEM**



**HOUSING TURBINE MULTIGAUGING SYSTEM**

**Please forward us the component drawing highlighting the parameters to be measured.**



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