

BEDMOUNTED(Internal)

Two point gauging electro magnetically operated lifting - off the gauging arm with fine adjustment range upto 10mm

GAUGING RANGE

12mm to 80mm
50mm to 150mm
100mm to 300mm
300mm to 450 mm



C FRAME (Swingarm)

'C' frame gauge head is manually loaded on component and engaged with three point contact

GAUGING RANGE

5mm to 80mm
50mm to 150 mm
100 mm to 300 mm
200 mm to 700 mm



Axial positioning head for length measurement on interrupted and plain surfaces.

Accurate and reliable system, ideal for CNC & Angular grinding machines.

Maximum measuring range : $\pm 2500 \mu\text{m}$



ADDITIONAL COMPONENTS

To cover the full scale of applications the following additional components are available. Traversing units, supporting sub-assemblies, adjusting units, fine adjusting assemblies, gauging arms and adapters. Gauging contacts for ID and OD grinding. Multi gauging, post process gauging, special process gauging, robotic gauging systems and splian gauging systems.

QMARZ MECHATRONIC & METROLOGY

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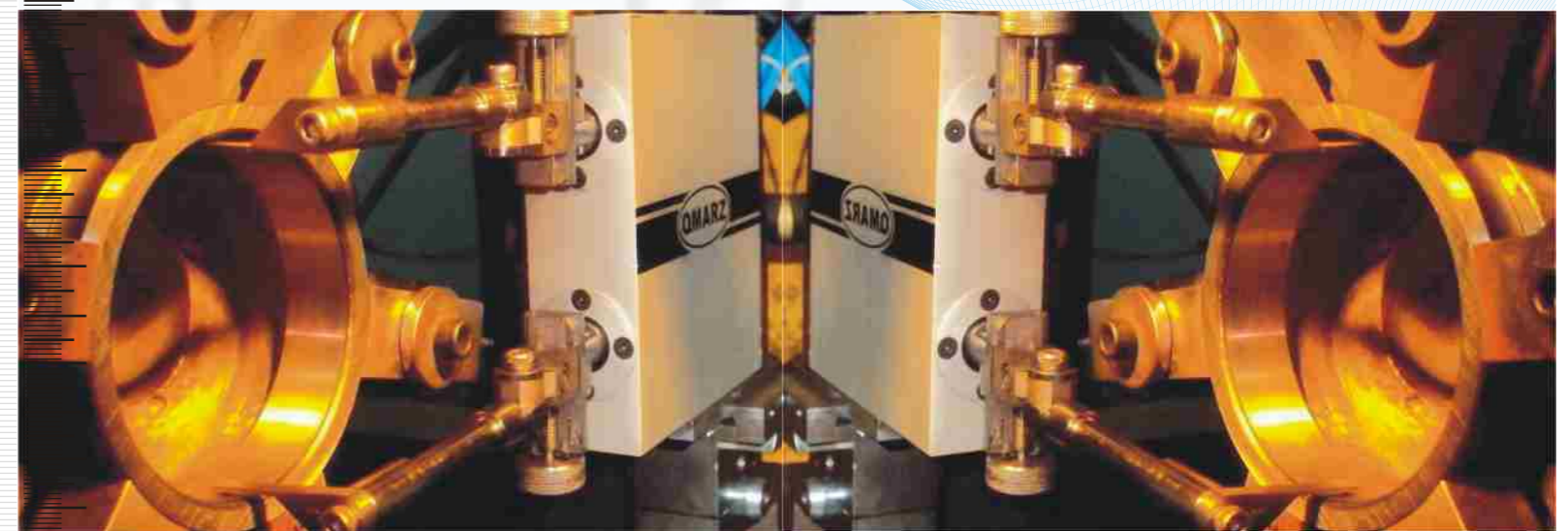
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Electronic Size Control Gauges



- ❖ External Grinding Gauging Solution
- ❖ Internal Grinding Gauging Solution
- ❖ Multigauging & Match Gauging Solution
- ❖ Inprocess for Bearing Solution



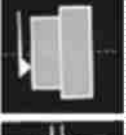


GAGING YOUR DREAMS

100
95
75
25
5
0

QMARZ. Inprocess Measuring Machine

HIGH PRECISION AND RELIABILITY

The machine control QMARZ Electronics in-process gauge which control in real time using measured data taken before during or after processing. Electronics in-process gauge is their high precision which exceeds that of any other systems with this high precision measure in equipment, accurate to 1.5 micron. Which surpasses any precedent this systems is fully coolant resistant so can be setup in various environments. For customized applications with you special problems even if small number desired only.

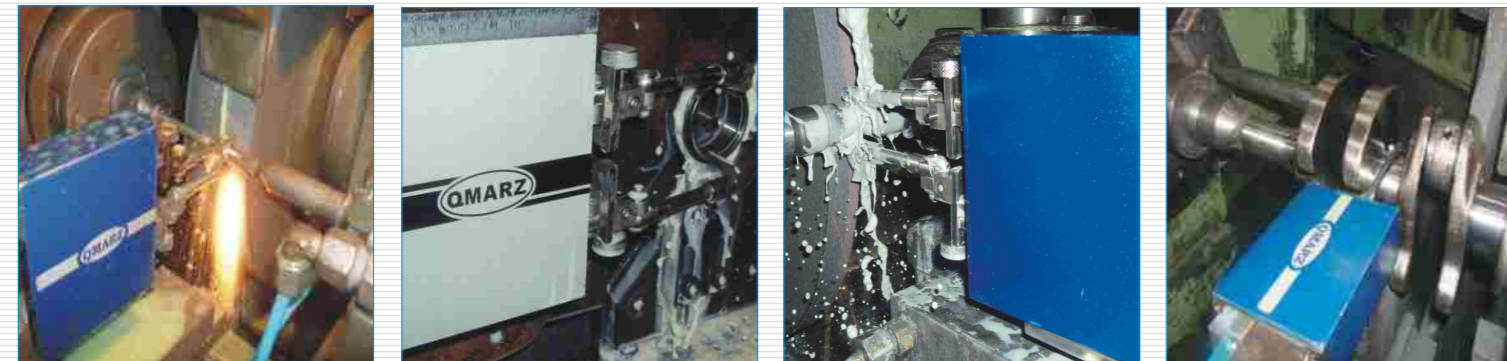
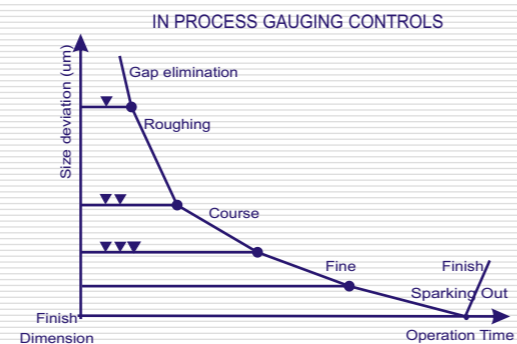
-  **EXTERNAL CYLINDRICAL GAUGING**
Diameter range : 2 mm - 400 mm
Diameter range : 200mm - 700mm
-  **INTERNAL CYLINDRICAL GAUGING**
Diameter range: 12-400 mm
-  **CENTRELESS GRINDING GAUGING**
Diameter range : 10mm - 400mm
-  **AXIAL POSITIONING**
Repetitive positioning accuracy 1 Micron
-  **MATCH GRINDING GAUGING**

Applications

Crank Shaft
Cam Shaft
Bearing
Gear Shaft
Spindle Shaft
Piston pin
Transmission Shaft
Armature Shaft
Round Precision Part
Reamers etc...

Advantages

Improves productive and reliability
Allows statistical process control
Reduction in cycle time
It reduces rejection to a minimum
Reduce operator fatigue
No need skilled operator
Elimination of rejection
Protection of investment
Ensure consistent product quality



STYLUS PLUS

This model amplifier is suitable for all QMARZ made gauge heads. like 'C' frame bed mounted type., with positioning centreless grinding guage heads. continuous gauging value deduction with in process gauging on grinding machine, this model consists of seven segment, LCD display with online program facility, Ovality displaying facility.



EYELINE

EYELINE Model is microprocessor based QMARZ electronic in-process gauge. This model is suitable for OD & ID grinding machines. This model consists of seven segment display and LCD display with on line programming facility & programme locking facility.



STYLUS

This model amplifier is suitable for all QMARZ made gauge heads, like 'C' frame bed mounted type, with positioning centreless grinding gauge heads. continuous gauging value deduction with in process gauging on grinding machine, this model consists of seven segment, LCD display with online program facility, Ovality displaying facility.



FORMULAX2

Bed mounted type continuous gauging value deduction with in process gauging on grinding machine, this model consists of seven segment, LCD display with online program facility.



BEDMOUNTED(External)

Two point gauging electro magnetically operated lifting-off the gauging arm with fine adjustment range upto 10 mm.

GAUGING RANGE

- 5 mm to 80 mm
- 50 mm to 150 mm
- 100 mm to 300 mm
- 200 mm to 500 mm

