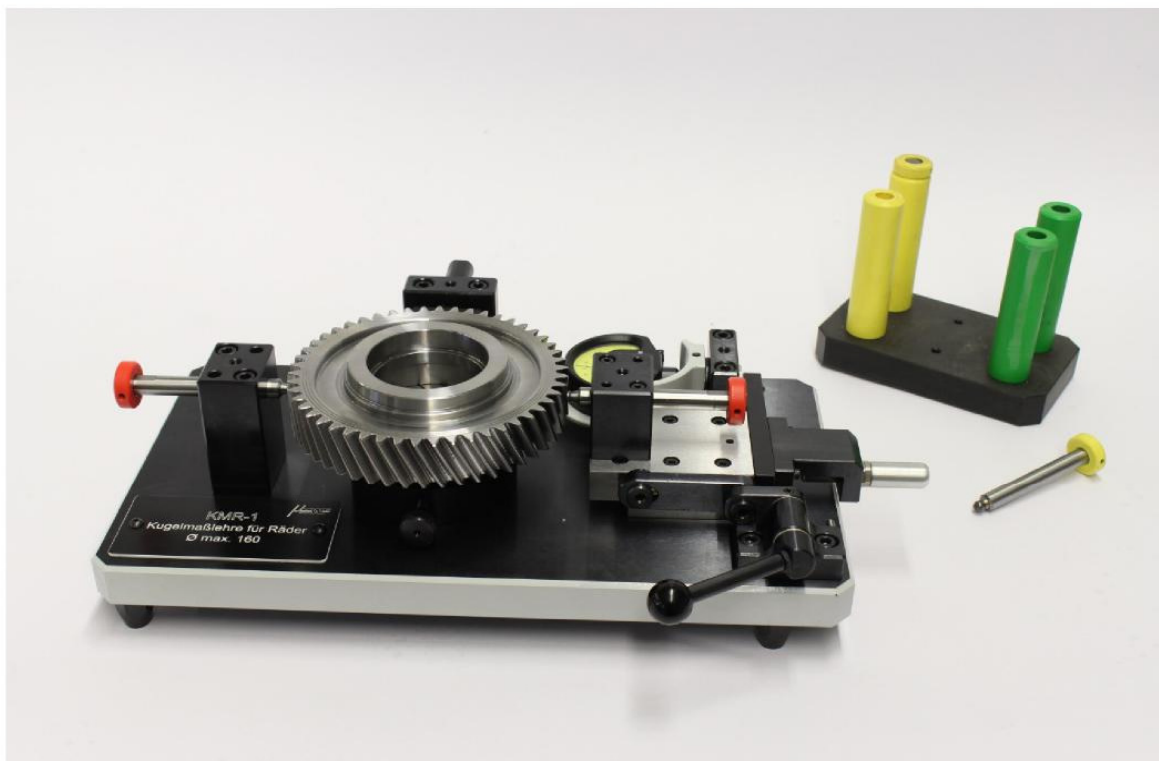




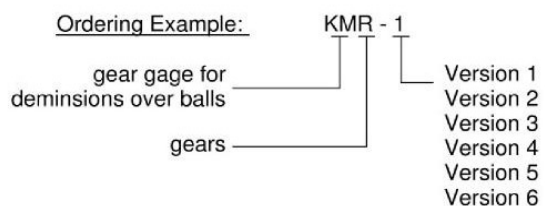
Ph 866-945-5742  
email: [sales@willrich.com](mailto:sales@willrich.com)

## Gear gage for Dimension over Balls

### KMR



#### Ordering Example:

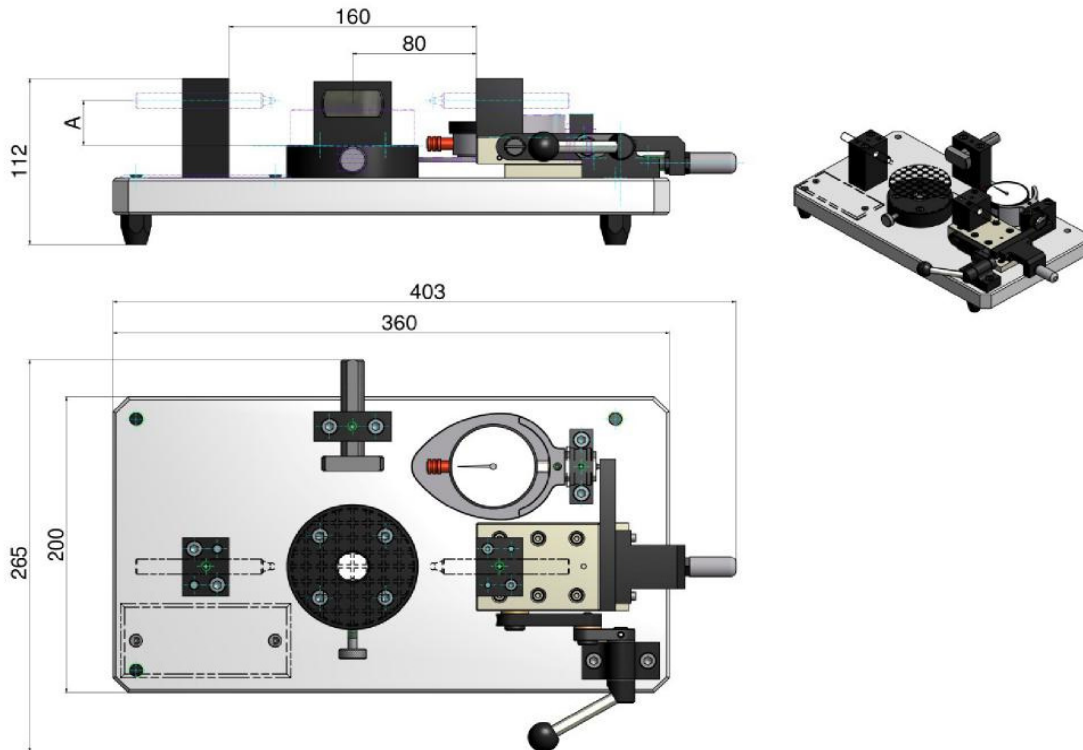


Accessories:

KB	- ball pin
KR	- marker ring
KBA	- ball pin rack
USR	- dial protection
KO-LO	- probe protection

# Mahr

## KMR-1

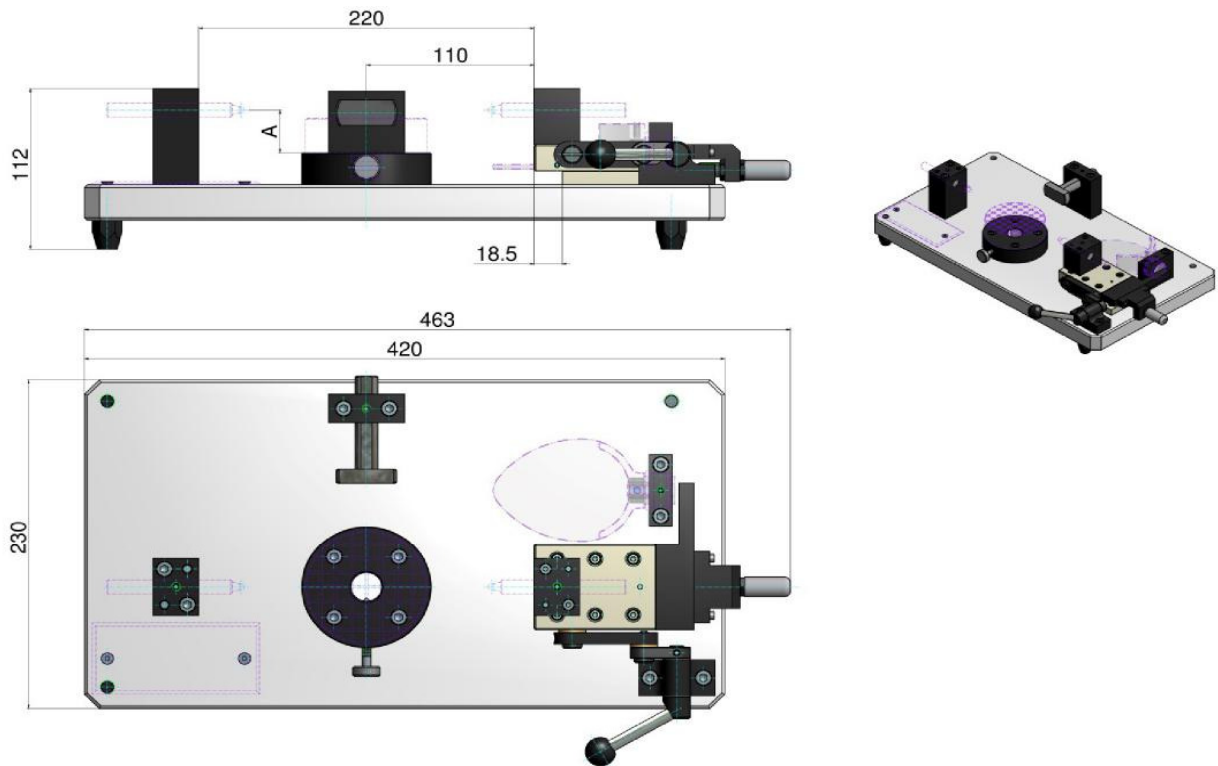


Note: The size and length values are approximate! (mm)

Weight	18 kg / 40 lbs
Workpiece size	Max $\varnothing 150\text{mm}$ / 6"
Distance A	30mm/1.2" (without support plate)
Features	Diameter, Diameter Variation
Delivery	basic unit and optional a dial- or probe protection and a support plate
Approximate Price	: \$5300

# Mahr

## KMR-2

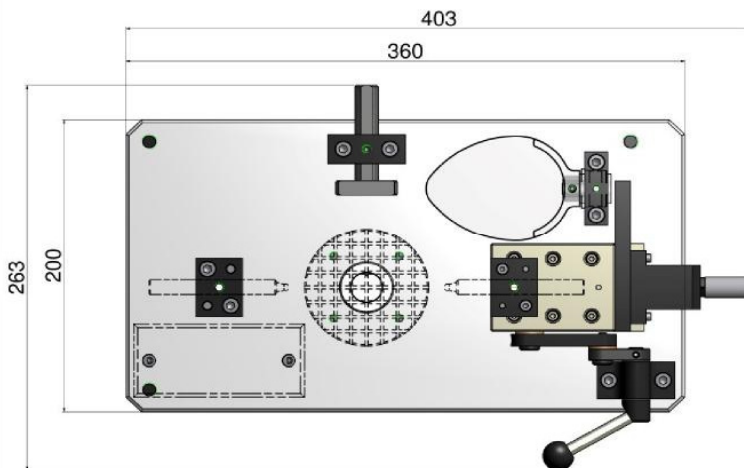
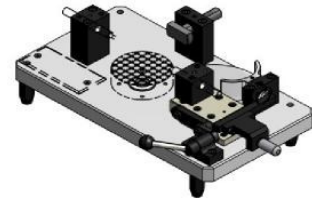
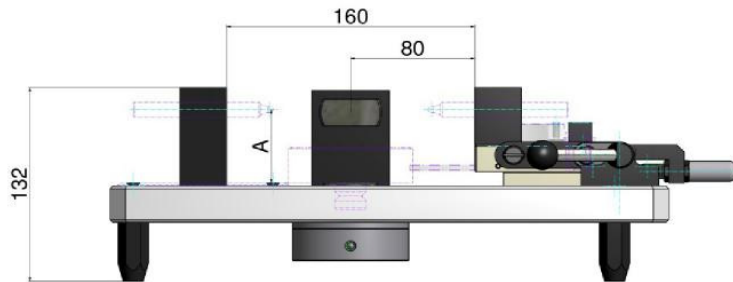


Note: The size and length values are approximate! (mm)

Weight	▪	23 kg / 51 lbs
Workpiece size	▪	Max $\varnothing$ 210mm / 8.25"
Distance A	▪	30mm/1.2" (without support plate)
Features	▪	Diameter, Diameter Variation
Delivery		basic unit and optionally a dial - or probe protection and a support plate
Approximate Price	:	\$5300

# Mahr

## KMR-3

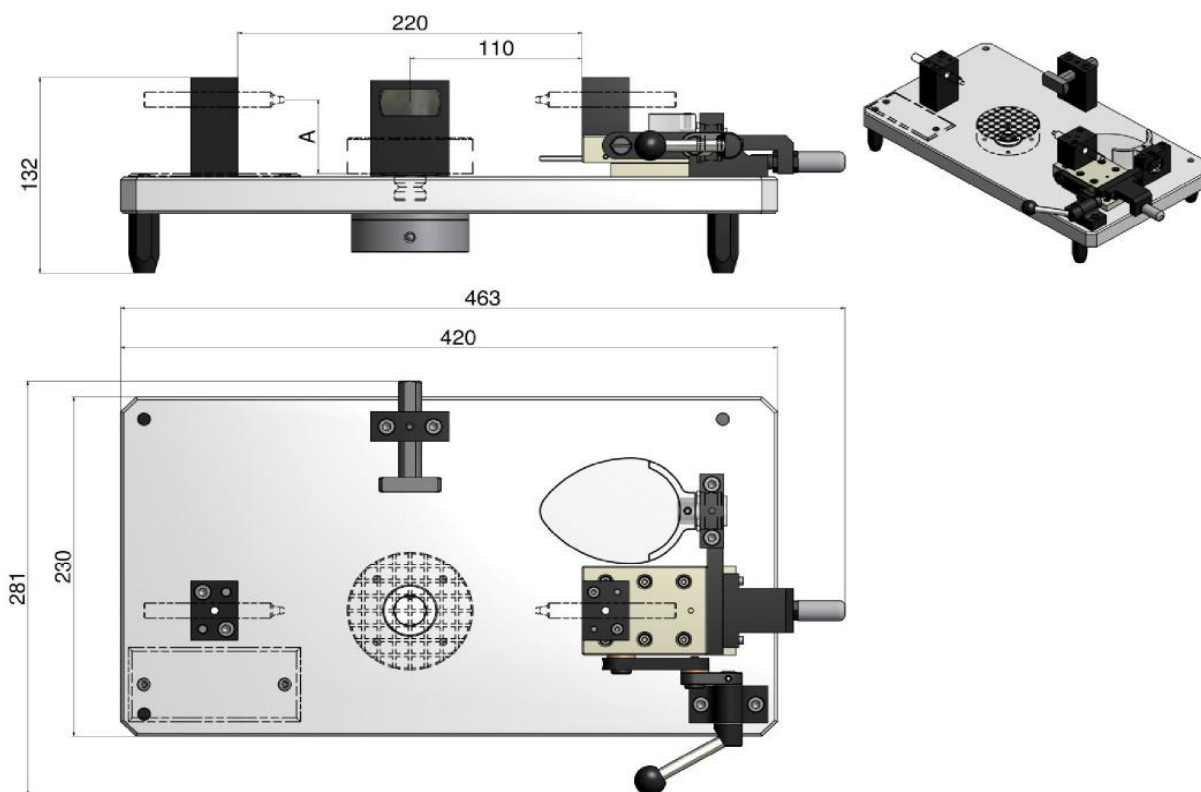


Note: The size and length values are approximate! (mm)

Weight	•	23 kg / 51 lbs
Workpiece size	•	Max $\varnothing 150\text{mm}$ / 6"
Distance A	•	50mm/2" (without support plate)
Features	•	Diameter, Diameter Variation
Delivery		basic unit and optionally a dial - or probe protection and a support plate
Approximate Price	:	\$6000

# Mahr

## KMR-4

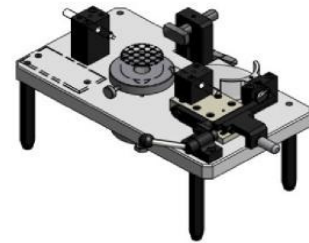
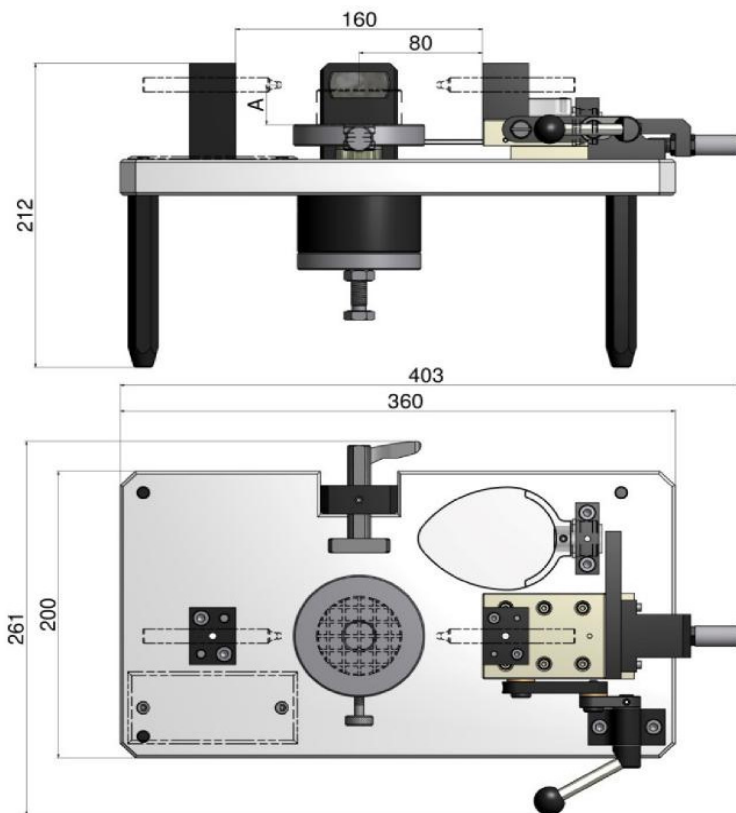


Note: The size and length values are approximate! (mm)

	.	
Weight	:	23 kg / 51 lbs
Workpiece size	:	Max $\varnothing$ 210mm / 8.25"
Distance A	:	50mm/2" (without support plate)
Features	:	Diameter, Diameter Variation
Delivery	:	basic unit and optionally a dial- or probe protection and a support plate
Approximate Price	:	\$6000

# Mahr

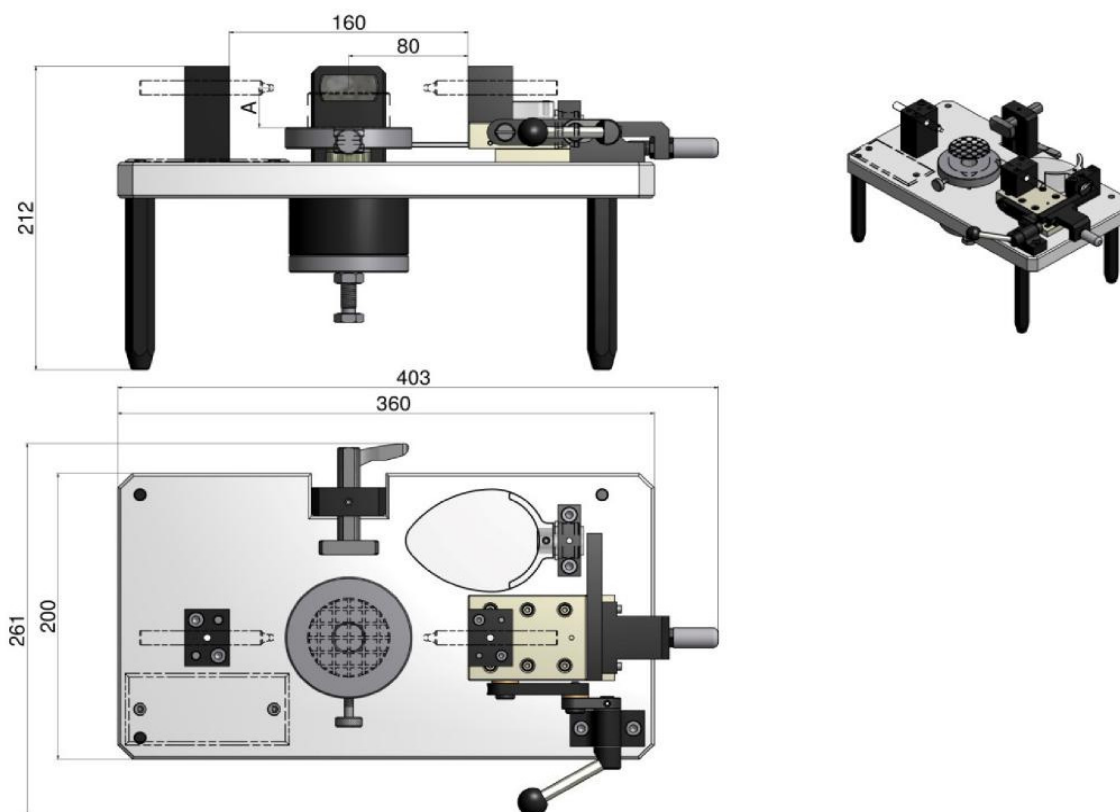
## KMR-5



Weight	21 kg / 47lbs
Workpiece size	Max $\varnothing 150\text{mm}$ / 6"
Distance A	variable
Features	Diameter, Diameter Variation
Delivery	basic unit and optionally a dial - or probe protection and a support plate
Estimated Price	: on application

# Mahr

## KMR-6

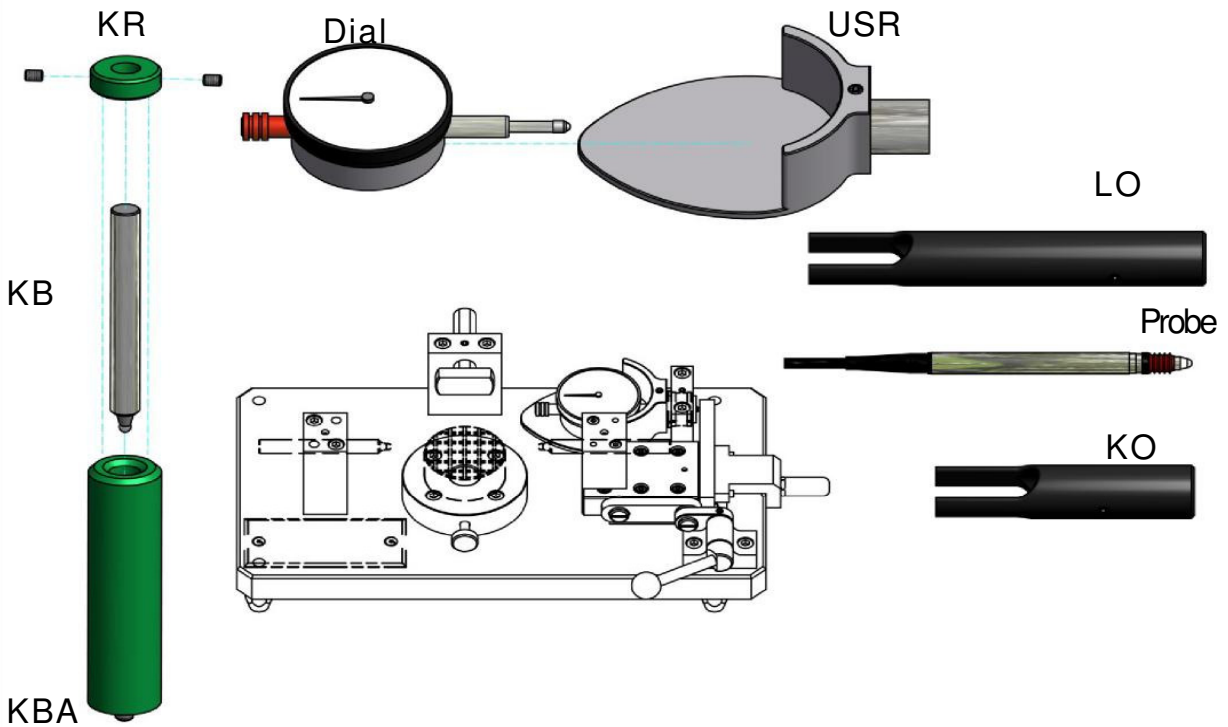


Note:\_ The size and length values are approximate!

Weight	·:	25 kg / 55 lbs
Workpiece size	·:	Max ø210mm / 8.25"
Distance A	·:	variable
Features	·:	Diameter, Diameter Variation
Delivery	:	basic unit and optionally a dial- or probe protection and a support plate
Estimated Price	:	on application

# Mahr

## Accessories



### Accessories:

- KB - ball pin
- KR - identity item
- KBA - ball pin deposit
- USB - dial protection
- KO-LO - probe protection



# Mahr

## Data sheet: Gaging Computer Option

### Electrical specifications for Measuring computer:

Operating voltage : 90 – 260 V AC

**Note:** The size and length values are approximate!

### Task:

- dimension over balls
- concentricity
- repeatability  $\pm 0,001$

### Workpiece handling:

- manual

### Visualization:

- SPC-Computer
- Digital bar display -

### MarChek

Computer Based Fixture Gaging System

Engineered Solutions



### Software

- Low level user programmable gaging
- Windows Plug and Play features
- Multi-level security access and screen lock out
- Customizable screens and reports
- ODBC Access or SQL server



### Statistics

- Real time Variables and Attribute charting
- Control/Reasonable limits
- Full Statistics including:  
Xbar/R/Pareto/Histogram/Sdev/Cp/Cpk/PPR/  
Skewness/Kurtosis/% out/ +/-3S/ ChiSqu est/act/ Confidence/  
Degrees of freedom/Normalcy test
- Data editing capability
- Report generation and configuration  
operator/ error codes/ control check violations/samples/user keys
- Complies with AIAG standards
- Full GR&R options and capabilities

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