



Innovation Design R&D
Patented Technology Award

Checkmaster Gauge

ISO The best tool of length calibration



Innovation Design Manufacture

- For calibration of all types of calipers, micrometers, height gauge, and inspection of machine, instrument linear accuracy.
- For calibrating accuracy of 1D/2D height gauge, 3D CMM, and inspecting linear accuracy of machine tool.
- The flatness and dimensional accuracy of all measuring gauges are guaranteed to be $\leq 0.2\mu\text{m}$, and the parallelism is $\leq 2\mu\text{m}$ between the reference base and the measuring surface of each gauge.
- Made of heat treated hardened tool steel, hardness: HRC58-62.
- Including wooden case, quality warranty, and JCC calibration report that comply with ISO 9001 measuring traceability & ISO/IEC 17025 accreditation.
- Inspection reading: 0.1 μm

KING KONG Series



CMG-9060

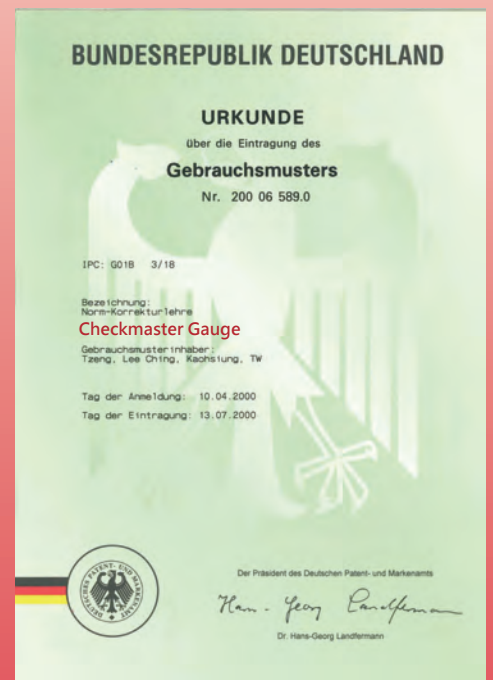
CMG-9030



Taiwan patent

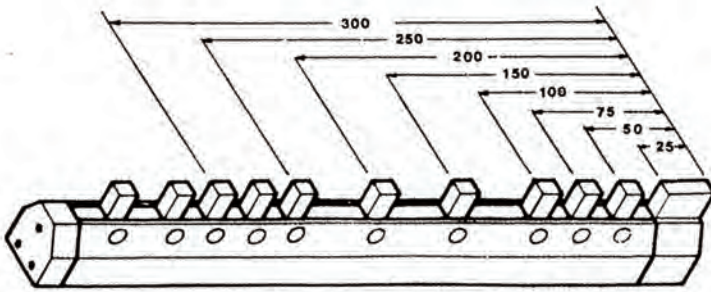


German patent

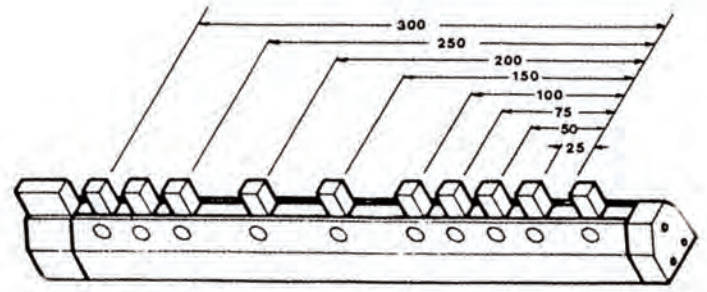


■ Checkermaster Gauge

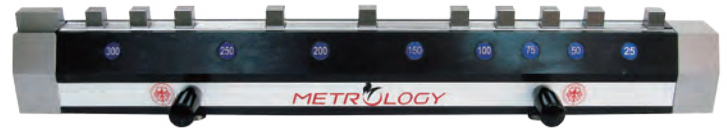
ISO The best tool of length calibration



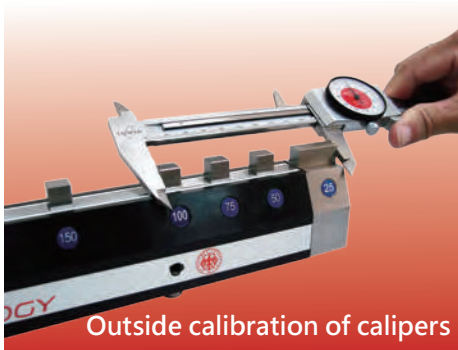
Outside dimension calibration



Inside dimension calibration



One-piece hardened steel gauge frame with stable material after surface and carburizing treatment

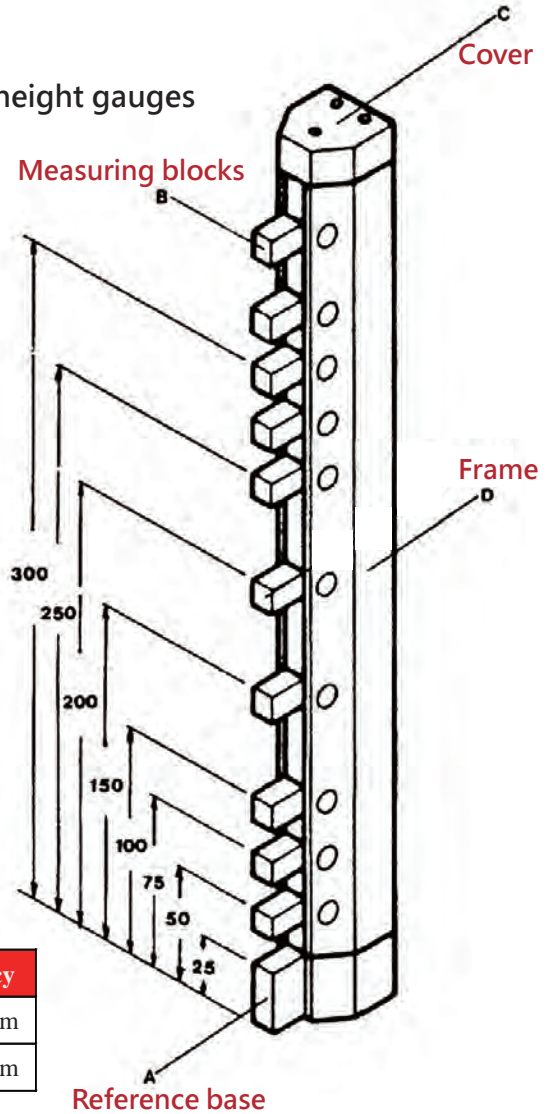


Outside calibration of calipers



Inside calibration of calipers

Height calibration of height gauges



Reference base

Height dimension calibration

KING KONG Series

Model No.	Calibration Range	Calibration Point	Accuracy
CMG-9030	300mm	25 50 75 100 150 200 250 300 mm	±0.003mm
CMG-9060	600mm	25 50 100 150 200 300 400 500 600 mm	±0.005mm

*Checkermaster Gauge can be placed vertically, horizontally, and on sides for calibrating outside, inside, and height. All calibration points are the same.

*Must be placed in the best temperature controlled environment within $\leq \pm 1^\circ\text{C}$

*Optional: special ceramic measuring blocks hardness: >HV1200



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Innovation Design Manufacture

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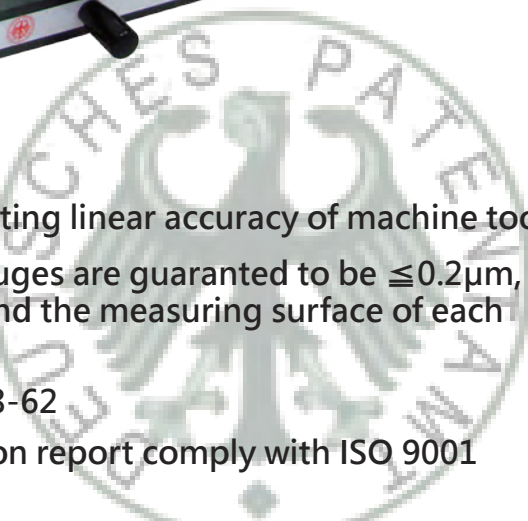
Taiwan patent



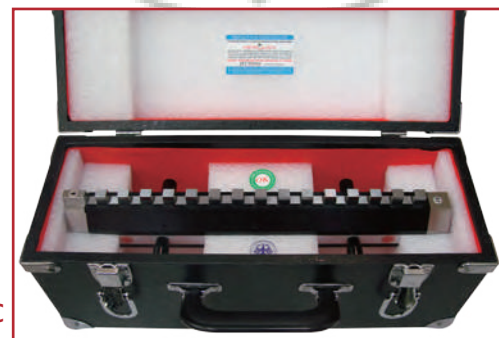
German patent



- For calibrating accuracy of height gauge, CMM, and inspecting linear accuracy of machine tool.
- The flatness and dimensional accuracy of all measuring gauges are guaranteed to be $\leq 0.2\mu\text{m}$, and the parallelism is $\leq 2\mu\text{m}$ between the reference base and the measuring surface of each gauge.
- Made of heat treated hardened tool steel, hardness: HRC58-62
- Including wooden case, quality warranty, and JCC calibration report comply with ISO 9001 measuring traceability & ISO/IEC 17025 accreditation.
- Inspection reading: 0.1um



Model No.	Calibration Range	Calibration Point	Accuracy
CMG-9030H	300mm	Pitch : 10 mm Step : 20 mm	$\pm 0.0020\text{mm}$
CMG-9060H	600mm		$\pm 0.0035\text{mm}$
CMG-9100H	1000mm		$\pm 0.0050\text{mm}$



- *Can be place vertically, horizontally, and sides.
- *Must be placed in the best temperature controlled environment within $\leq \pm 1^\circ\text{C}$
- *Optional: special ceramic measuring blocks hardness: $> \text{HV}1200$



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Checkmaster Gauge

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- For calibrating accuracy of height gauge, CMM, and inspecting linear accuracy of machine tool.
- Patented innovation design, can be placed vertically, horizontally, and 8-way on sides
- Made of heat treated hardened tool steel, hardness: HRC58-62
- Including wooden case, quality warranty, and JCC calibration report that comply with ISO 9001 measuring traceability & ISO/IEC 17025 accreditation. Inspection reading: 0.1um
- The flatness and dimensional accuracy of all measuring gauges are guaranteed to be $\leq 0.2\mu\text{m}$, and the parallelism is $\leq 2\mu\text{m}$ between the reference base and the measuring surface of each gauge.

First in the world Unique & Unparalleled

TWINS Series



Taiwan patent



UN patent

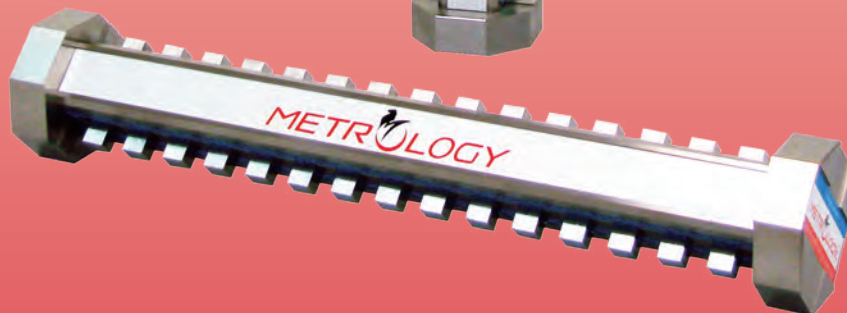


Model No.	Calibration Range	Calibration Point	Accuracy
CMG-9030T	300mm	Pitch : 10mm Step : 20mm	$\pm 0.002\text{mm}$
CMG-9060T	600mm		$\pm 0.004\text{mm}$

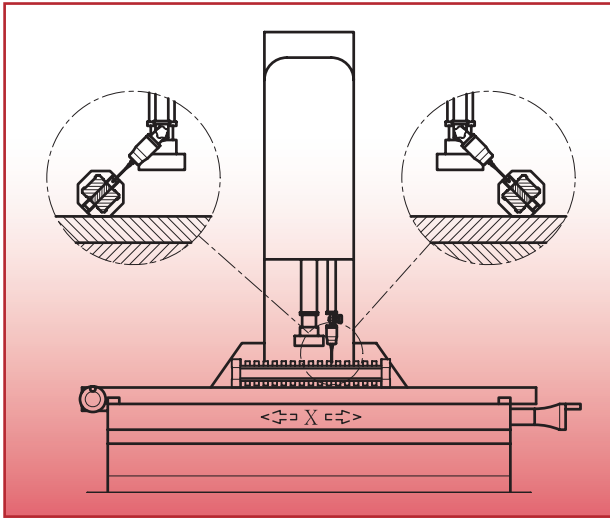
*Double gauge block measuring faces, double accuracy, purposes, and life-time.

*Must be placed in the best temperature controlled environment within $\leq \pm 1^\circ\text{C}$

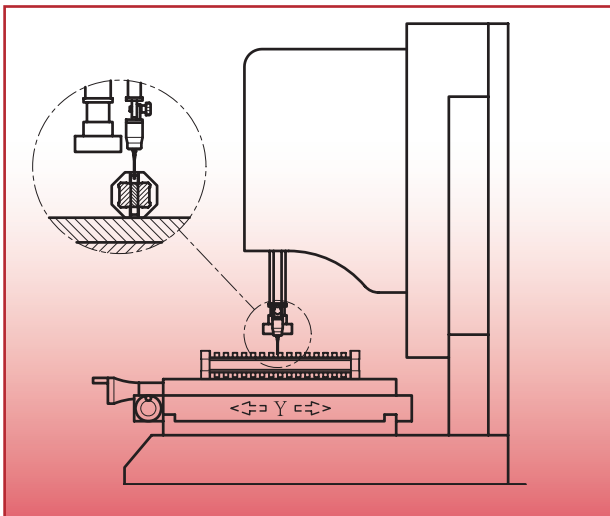
*Optional: special ceramic measuring blocks hardness: $> \text{HV}1200$



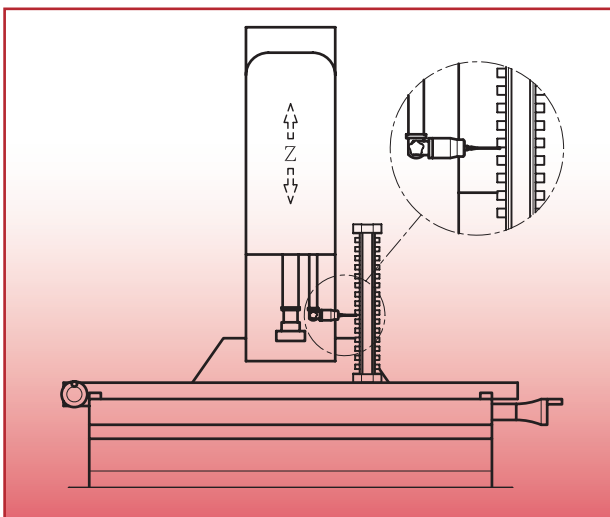
■ Checkmaster Gauge **TWINS Series**
 Designed to check the table movement accuracy
 of machine tools and calibrating CMMs.



X-axis accuracy calibration



Y-axis accuracy calibration



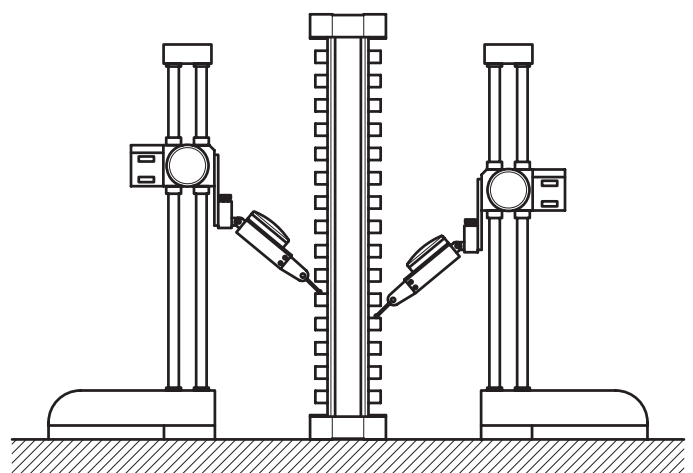
Z-axis accuracy calibration



Taiwan patent



UN patent



Dual height gauge calibration