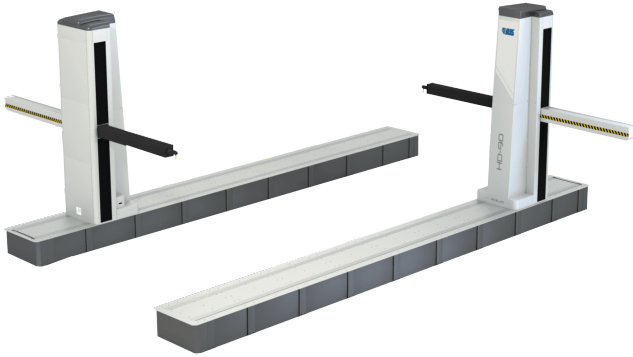


HD90



The HD-90 is a heavy-duty, ultra-reliable CMM crafted for the rigorous demands of production and shop-floor environments, tailored specifically for car-body and sub-assembly quality control applications. With a robust design to withstand harsh conditions, the HD-90 excels in delivering precision measurements for large components.

Key Features and Specifications

Measurement System: Equipped with linear optical transducers and controlled via DC servo motors.

Safety and Stability: Includes mechanical carrier counterbalance with a safety brake and does not require specific foundations unless needed.

Installation Options: Offers flexibility with on-floor or floor-level setups featuring heavy-duty walkable guideways.

Optional Enhancements: Cast iron work-plates and advanced loading/unloading systems are available to suit various operational needs.

Advanced Design for Optimal Performance

Designed with a flexible Runway configuration, the HD-90 accommodates both single and double arm setups, enhancing its versatility. The entire system is shielded with protective covers for thermal insulation and to guard against contaminants typical in workshop settings. This comprehensive encapsulation ensures the system's integrity and operational reliability.

Accessibility and Safety in Measurement

The HD-90 features an open structure that can be installed directly on the floor or at floor level. Walkable guideways protect the X slideways, while the encapsulated build provides safe and easy access to the measurement area. This setup simplifies both manual and automated part loading and unloading, making it a safe choice for direct deployment in any production area.

Precision and Durability

The performance of the HD-90 is characterized by superior dynamics and accuracy, ensuring efficient throughput and reliable measurements even in challenging conditions. It features air bearings on the YZ axes and double recirculating bearing guideways on the X-axis, powered by DC motors for high-speed operations. The overlapping measurement volumes of the dual-arm configuration guarantee comprehensive access to all features of the measured component..

Model Variations and Technical Specifications

The HD-90 CMM series is available in standard sizes with YZ axes sections of 16.20, 16.25, and 16.30, boasting an accuracy of $14+18L/1000$, a 3D speed of up to 580 mm/sec, and an impressive 3D acceleration of 1500 mm/sec^2 . thermal stability, enables faster measurement speeds across all temperature ranges without sacrificing accuracy.