

3D Coordinate Measuring Machines  
The new LH 1210

- State of the Art  
Engineering Design
- Precise Mechanics
- Innovative  
Measuring Technology



## MACHINE CONCEPT

### Accurate measurements results quick and easy

The complete product range of WENZEL stands for precision and performance in 3D measurement. With the new generation of air-bearing coordinate measuring machines WENZEL continues the improvement in precision, efficiency and longevity.

The revolutionary design of the new LH 1210 offers high mechanical accuracy, perfect ergonomics and dynamics.

### Precision

#### High precision through overall concept

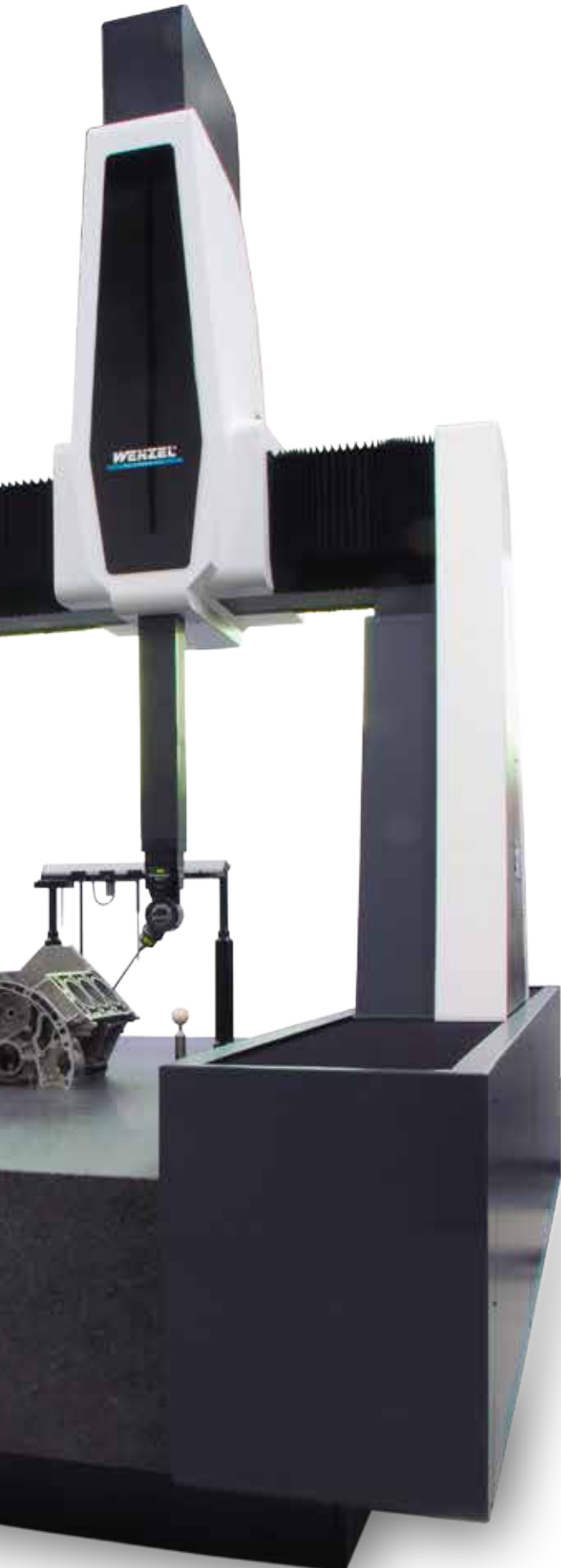
- Relevant precision machine components work in perfect harmony.
- Identical thermal behavior of granite in all axes ensures the intrinsic accuracy of the new LH generation.
- High resolution scales provide accurate positioning and precise results.
- Accurate detection of free-form surfaces and geometric elements with an innovative sensor technology.
- Intelligent algorithms and interconnection technologies of the WENZEL controller transmit large amounts of data very quickly.

### Ergonomics and usability

#### Just measure

- The easy to use WENZEL measurement software generates fast accurate measurement results.
- Individual user training enables a fast and efficient application.
- Perfect ergonomics for comfortable and safe operation.
- Ease of use with the multifunctional hand box.





## Robustness and durability

### Investment protection through robust, modular and innovative engineering

- WENZEL CMMs manufactured from granite are free of internal tensions and extremely wear resistant.
- The guide ways of the X- and Y-axes are fitted with bellow type covers to protect against contamination from dust and dirt.
- The use of high-quality components ensures high machine availability.
- An innovative drive system, bearing and guide way technologies provides low wear of the base material.
- The modular design of the CMM ensures the subsequent upgrading of the new LH and offers full security of your investment for the future.

## Serviceability

### Reduced downtime due to high serviceability

- Long and costly maintenance intervals can be avoided by easy accessibility to maintenance components.
- WENZEL Online Service (WOS) allows quick online diagnosis for help.
- High availability of spare parts due to extremely high level of vertical manufacturing.

### The sizes of the new LH 1210

Overview measuring range (in mm)

	X-Axis	Y-Axis	Z-Axis
LH 1210	1200	1600	1000
LH 1210	1200	2000	1000
LH 1210	1200	2500	1000
LH 1210	1200	3000	1000

Further Y-lengths on request. Subject to technical modification and to changes in scope and design.

