

NEW PRODUCT INFORMATION

CARBstrato601624 - Car Body Measuring System -



Features

- A large, horizontal-type CNC CMM for measuring car bodies
- Two types are available: a single-head type which measures with one head only and a dual-head type which measures by controlling two heads simultaneously, one from each side.
- Equipped with a newly developed volumetric compensation technology for high-precision
- Provided with dedicated software with additional functionality, such as a measuring point retrieval function and a non-contact measurement function for car body measurement.
- Three-point support method that is not affected by the base deformation is adopted.
- Supporting multiple sensors such as touch-trigger probes, scanning probes, laser probes, and a vision probe.
- Measures against dustproof and maximum loading capacity for an X-axis cover are taken.
- Optional safety devices such as a Y-axis beam sensor and an area sensor are available.



Laser probes



Dedicated operation box

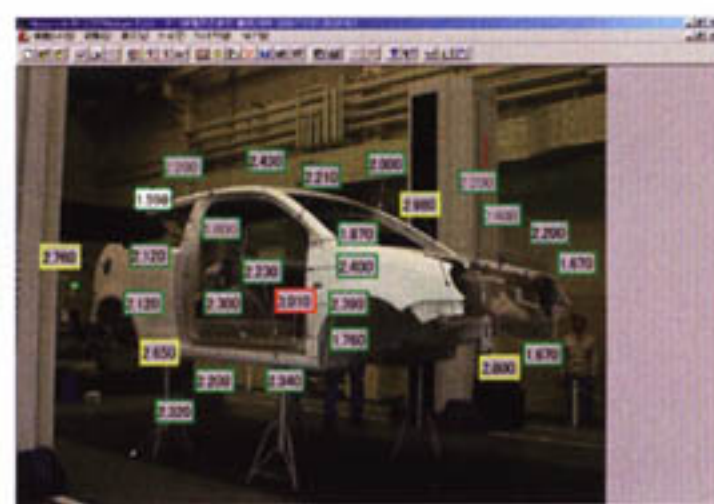
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Measurement of a hole position, etc., with a tough-trigger probe



Measurement with a line laser probe



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Specifications

Measuring range	X-axis	4000, 6000, 8000mm (Maximum: 18000mm)
	Y-axis	1400, 1600mm (Maximum: 2000mm)
	Z-axis	2000, 2400, 2600, 3000mm (Maximum: 3500mm)
Traverse speed	866mm/sec (combination of 3 axes)	
Acceleration	0.23G	
Measuring speed	10mm/sec	
Accuracy (16 to 26°C)	Single head	$MPE_E=18+20L/1000 \leq 70\mu\text{m}$
	Dual head	$MPE_E=35+30L/1000 \leq 90\mu\text{m}$
Environmental temperature	16 to 26°C	

Coordinate Measuring Machines

Vision Measuring Systems

Surface-, Form- and Contour
Measurement

Optical Measuring

Sensor Systems

Hardness Measuring

Digital Scale and DRO Systems

Small Tool Instruments and
Data Management

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