

Bravo NT

Dimensional inspection of medium-to-large-sized sheet metal components, car bodies and style models requires a CMM's type allowing particular ease of access to the components to be measured. Integration of the measuring system in shop environment and assembly lines, optimization of measurement time, fast and accurate sensor equipment available, and varying measurement volume are only a few of the key features of the ideal measuring system for the applications mentioned above. The broad experience gained over the years by DEA engineers and the major automotive manufacturers resulted in a comprehensive line of high-performance horizontal-arm machines and robots, that have been certifying and will continue to certify the final quality of millions of vehicles and their components.

Bravo is a line of ruggedized high-performance horizontal-arm measuring robots specifically designed for flexible on-line dimensional inspection of car bodies and subassemblies where speed, accuracy, reliability and reduced maintenance are required for process control in real time. Bravo features a modular open structure. Thus, it can be easily integrated into the production line and configured in multi-arm cells that combine the flexibility and ease of programming of CMM's with the speed and user friendliness of conventional measuring gages. The combination of several original design solutions make Bravo extremely stable, stiff and resistant to the harsh shop floor conditions. Maximum speed of 52 m/min, acceleration of up to 2.9 m/s² and FLY axis interpolation make Bravo the most efficient body-in-white robot in the market.

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Comparative table

Size

Stroke x (mm)

Stroke y (mm)

Stroke z (mm)

MPE-E for ISO 10360/2 (μm)

xx.14.15

1400

1500

from 23 + 10 L/1000

xx.14.20

1400

2000

from 23 + 10 L/1000

xx.14.24

1400

2400

from 27 + 13 L/1000

xx.15.20

1500

2000

from 27 + 10 L/1000

xx.15.24

1500

2400

from 29 + 13 L/1000

****: Standard X strokes: 6000, 7000 mm Above characteristics are relevant to single arms. All horizontal arms are available in both single and dual arm configurations.

