



Mitutoyo Europe GmbH
Borsigstraße 8-10
D-41469 Neuss

T +49 (0)2137 102-248
F +49 (0)2137 8685
media@mitutoyo.eu
www.mitutoyo.eu

Press information

Ideal in-line CNC coordinate measuring solutions: the new MITUTOYO MACH-V and MACH Ko-ga-me

The manufacturer of dimensional metrology instruments MITUTOYO takes account for the constantly growing market of measuring solution integrated into production lines by release of new generations of two tried and tested coordinate measuring machines: **MACH-V 9106** and **MACH Ko-ga-me**.

Neuss, March 2015. In-line and line-side coordinate measuring solutions vastly accelerate the manufacturing processes in production plants with high throughput figures. The position of the CNC measuring machine in the production line renders the transport of parts to a separate measuring room unnecessary. The result is an enormous saving of time – and hence, money.

The new MITUTOYO MACH-V 9106 is the perfect in-line measuring solution in which a vertical spindle is applicable. It is especially suitable for rough workshop surroundings between 5°C and 35°C and boasts high dust resistance due to the installation of all drive system and scale units in dust-tight enclosures. Control unit and PC are positioned in a separate dust-proof rack. The MACH-V 9106's open construction makes it perfectly suitable for loading systems. The engineers equipped the new generation with a new controller that facilitates an impressive drive speed of 860 millimetres per second and an acceleration of no less than 8.5 m/s^2 . Its air-free operation method with the adoption of high-precision ball bearings simplifies maintenance access. As the "9106" component in the name indicates, the measuring range is (X x Y x Z) 900 x 1000 x 600 millimetres at an accuracy starting from $2.5 + 0.35L/100 \text{ } [\mu\text{m}]$.

Another very popular in-line measurement solution for most branches enters the European markets in a new generation as of now: the compact MITUTOYO MACH Ko-ga-me CNC coordinate measuring machine for small-sized workpieces. Due to its small footprint dimensions it is not only an ideal solution for shopfloor surroundings but also for laboratories as a stand-alone device. Its new controller enables a drive speed of 340 millimetres per second and a resolution of $0.02 \text{ } \mu\text{m}$, making for an accuracy of $(2+0.5L/100) \text{ } \mu\text{m}$. The MITUTOYO MACH Ko-ga-me can execute touch-trigger measurements as well as scanning measurements in a range of (X x Y x Z) 120 x 120 x 80 millimetres. The tried and tested MACH Ko-ga-me is especially favoured for applications in machinery engineering, the bearings industry as well as in machining of medical and dental implants.

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Hall 7, booth 7401