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## Press information

### **Made for rough environments: the new MiSTAR 555 coordinate measuring machine by Mitutoyo**

Shopfloor coordinate measuring machines are indispensable when it comes to quick measuring immediately after machining operations. Now the premium manufacturer Mitutoyo releases a newly developed, compact CNC model by name of "MiSTAR 555" that is perfectly suitable for this purpose.

**Neuss, March 2019.** Inspecting 3D features during the manufacturing process minimises reaction time for machining adjustments. Coordinate measuring machines that are in use in a production or shopfloor surrounding for quick checks of machined workpieces need to be true universalists. The footprint has to be as space-saving as possible. Plus, it must not only be impervious to dust but also ensure the specified accuracy at all temperatures in a production environment. It goes without saying that it must be as user-friendly as possible for easy and quick use.

Not an easy task to accomplish, but one that has brilliantly been solved by the Japanese dimensional measuring instruments manufacturer Mitutoyo – with the brand-new cantilever-type CNC 3D coordinate measuring machine MiSTAR 555. The youngest CMM of the Mitutoyo portfolio is designed for production environments and ideally combines automated measurement with flexibility, reliability and easy operation. A high drive speed and an excellent acceleration make for quick measuring. The specified accuracy can be accomplished between 10 and 40°C, the resolution comes to 0,1 µm. The machine's scale systems are highly resistant to performance degradation in harsh operating environments. Its independence from compressed air enables a positioning of the machine even in spots that lack a shop air supply.

The MiSTAR 555 may not only be applied as a shop floor CMM but can also be connected to any third-party automatic loading system. It comes with touch trigger or scanning tactile probes, including stylus changer racks. Prepared measurement programs are executed after the part is mounted on a fixture. The new optional manual loading system ensures correct placement.

However, it does not take highly skilled staff to accomplish the measuring tasks: The ultra-fast Mitutoyo MiCAT Planner automatically generates measurement programs. And MCOSMOS, the unmatched-performance Mitutoyo software suite, offers full inspection functionality – from the simplest to the most complex geometries.

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