

PORTABLE 3D COORDINATE MEASUREMENT SYSTEMS

METRONOR SYSTEMS MEASURE WITH INFRARED LIGHT
– NOT ARMS, JOINTS OR LASER.

- One or more cameras observe a known pattern of light sources and determine the position and orientation of the pattern in space.
- Simple and intuitive operation with a hand-held probe – just touch and measure.
- The absence of moving parts gives high reliability and stable accuracy.
- Being fabricated from carbon fiber makes the system ideal for challenging environments.
- The complete and compact system enables travelling with the system and low set up times.



ABOUT METRONOR

Metronor is a high technology company headquartered just outside Oslo, Norway, with subsidiaries in the US, Germany and China, globally supporting partners and customers.

Based on in-house innovation and research, Metronor has since 1989 developed a range of electro-optical portable coordinate measuring systems that have become popular among leading manufacturers worldwide.

Metronor's management system is certified to ISO 9001 and complies with ISO 14001.

For more information, please visit our website www.metronor.com



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Presenting

Fabrication Solution

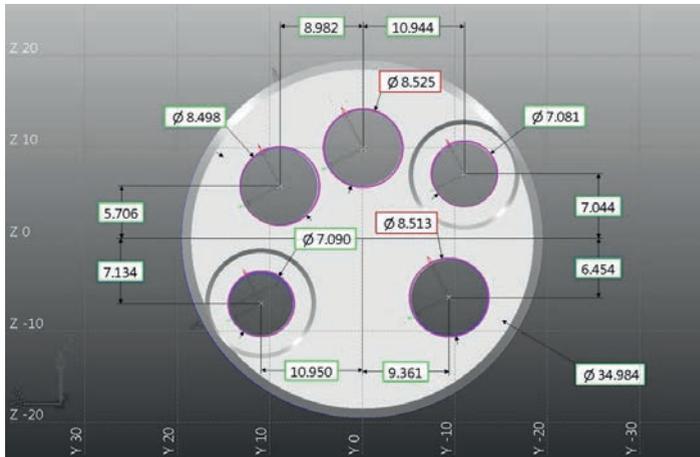


MEASURING AND CORRECTING DURING PRODUCTION

GEOMETRY ASSURANCE

Metronor measurement systems can be used during production to ensure a first time fit. You can check the dimensions and orientation of individual areas or complete structures and make sure that all tolerances are abided by.

You can also identify and correct deviations immediately during the production process and do not have to wait until the end of the process – when it's too late to correct.



DIMENSION MANAGEMENT FOR WELDED STRUCTURES

Even large welded parts can be verified during the production process. Distortions and misalignments can be identified early on in the production process and corrected without trial and error.



ALIGNING PARTS

To speed up production, Metronor's CMM systems help you align parts on your machine beds. By using the geometric information from the CAD model of the part, the system calculates the optimal position and orientation on the machine. Handling is straightforward – powerful software tracks the position and orientation of the part referenced to the machine bed, guiding you whilst you adjust the alignment.

You can also guide and support the alignment during the assembly of large parts with respect to each other. Our system informs you if and how they fit together. If you wish to make this process even easier, you can use Metronor's LED positioning kit. When combined with the measuring software, it guides you to a perfect alignment in only one step.



Metronor Systems come as full solution packages.

This means you get all the equipment you need to start measuring from day one. Including laptop, software, transport case fit for traveling and training.

ADJUSTING THE PRODUCTION LINE

A challenging task is changing or adjusting a production line for a new or a different product.

With our systems, you can easily and precisely adjust all your fixtures, clamps and racks for the new product by measuring the features directly in the production line and comparing them to the nominal values.

Simply use the CAD data of your new product without wasting resources for sample parts or templates to adjust pins and net-blocks.

