

GRIDLOK

ROMER is proud to introduce the patented GridLOK - a 3D Large Volume CMM. This measuring and inspection system enables inspection of large parts without the high cost, complexity, and slowness of a laser tracker or stationary CMM.

The unique, patented design dramatically improves productivity by allowing inspection of details inside, behind, and underneath large work-pieces.



ROMER
HEXAGON METROLOGY

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GridLOK is your **GIANT CMM**, combining all the ease-of-use of a portable CMM with a GIANT measuring area. And unlike stationary CMMs, GridLOK measures anywhere you need - including inside a vehicle!

GridLOK® is comprised of a grid system with conical seats installed in a concrete slab or steel plate, software, certification of the grid and a portable CMM support stand with laptop holder.



To operate the GridLOK® you simply touch the ball probe into three different conical seats and the portable CMM is locked-in. Moving the arm and locking-in requires no program interruption, no button pushing, and no keyboard selections — it's automatic!

Inspect large parts without the high cost, complexity, and slow throughput of a laser tracker or stationary CMM. The unique, patent-pending design dramatically improves productivity by allowing inspection of details inside, behind, and underneath large work-pieces. Locations impossible or impractical to measure with any other device!

GRIDLOK® . . . your best value for large volume inspection!

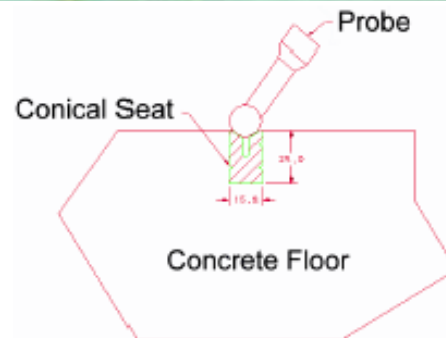
How does GRIDLOK work?

A “metrology arena” is created when GRIDLOK® uses one or more ROMER portable CMMs to measure the same part. The system can measure large work-pieces or multiple small parts while maintaining high accuracy anywhere within its standard 4 x 6 m (13 x 20 ft.) measuring volume or optionally up to 60 x 60 m (200 x 200 ft.)

GRIDLOK® volumetric accuracy is equivalent to the laser tracker accuracy used for the certification of the system upon installation plus the ROMER portable CMM accuracy. Neither the grid nor mounting options affect arm accuracy.

GRIDLOK® enhances measurement accuracies since all measured points are in absolute dimensions relative to the same part origin with no accumulative error regardless of how many times the portable CMM is moved. This replaces the old “leapfrog” method which caused accumulative accuracy deterioration.

GRIDLOK® applications are virtually unlimited! Automotive, agriculture, aircraft, heavy machinery, turbines - nearly any volume, inside or out, underneath or behind is within reach of the GRIDLOK®



Example of conical seat. Just touch the probe into three different conical seats and the portable CMM is locked-in!



GRIDLOK® installation in steel plate

Data subject to change without notice. Please visit the www.romer.com website for the latest information.

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