

TooLOK

Touch three and you'll see that TooLOK™ is the **NEW** industry standard for automating inspection, saving you time and money. It is the easiest inspection system ever!



TooLOK excels at inspecting fixtures, tools and parts. The system readily identifies a pre-qualified part, calling up the needed files and inspection instructions.



Automates inspection tasks: By contacting three pre-qualified points on a part, tool or fixture with the CMM probe, TooLOK:

- Automatically recognizes the part.
- Automatically aligns the part, tool or fixture.
- Automatically loads the CAD file and inspection routine.



TooLOK wizard screenshot

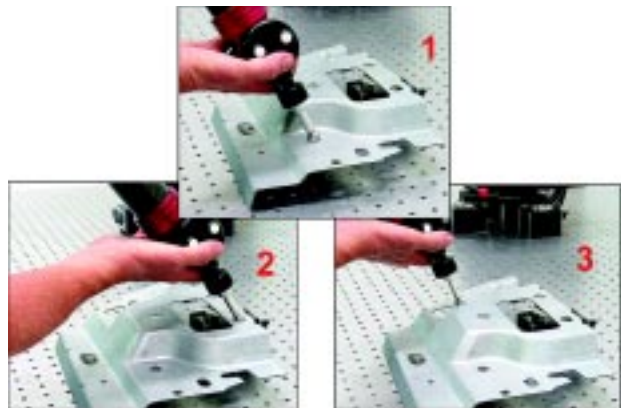
Eliminates setup time:

An operator can simply grab a part, touch the three pre-qualified points and start inspecting. Also eliminates searching through hundreds of files and routines to get ready for inspection, saving you time and money.

TooLOK is an advanced add-on utility for PowerINSPECT, our premier inspection and reverse-engineering software. PowerINSPECT allows for rapid inspection of complex 3D parts and generates CAD-to-part comparisons. TooLOK is 100% compatible with previously programmed PowerINSPECT inspection routines.

The simple-to-use TooLOK wizard allows users to generate a LOK for a fixture, gage, part or tool. The LOK then serves as the reference between the part and its associated files.

Ensures consistency between operators via programmed inspection routines. Once the LOK is established an inspection routine can easily be created allowing other users to follow that routine, ensuring reliable measuring consistency.



Easy as 1, 2, 3 - simply touch three pre-valued points on the part, and you're ready to measure!

ROMER
HEXAGON METROLOGY

51170 Grand River Ave.
Wixom, MI, 48393
1-800-218-7125
www.romer.com

ROMER's LOK Products

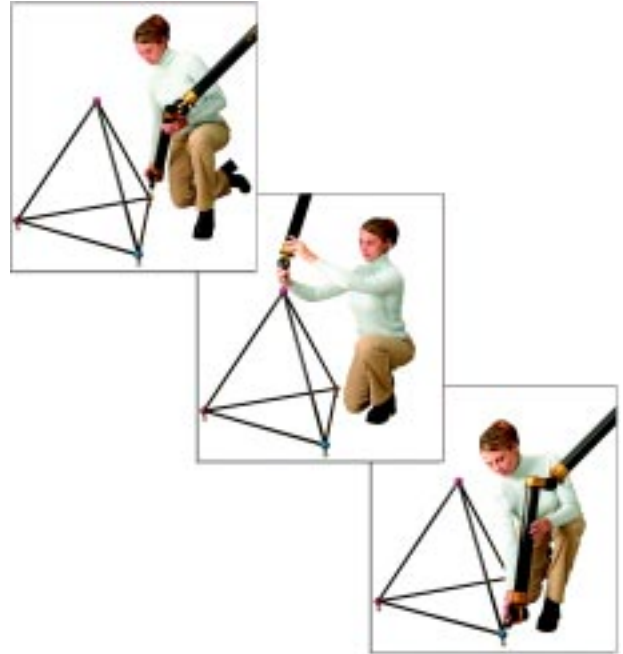
ROMER's LOK Products - TooLOK, GridLOK and SpaceLOK - are designed to dramatically increase throughput, saving you time and money. They feature easy "touch-three" LOK-in capability and powerful tools for rapid inspection.



GridLOK™: the GIANT CMM

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

- Uses a series of conical seats installed in a concrete slab or steel plate and valued to the GridLOK system.
- Users simply touch three points to LOK the CMM into the grid system - automatically.
- Creates a "metrology arena" allowing multiple CMMs to measure the same part while maintaining high accuracy within the 4 x 6 m measuring volume.
- Volumetric accuracy is equivalent to the laser tracker accuracy used for certification upon installing plus the ROMER CMM accuracy. The grid does not affect arm accuracy.
- Replaces the old "leapfrog" method which caused accumulative accuracy deterioration.
- Limitless applications for automotive, aircraft, heavy machinery production and more!



SPACELOK™: the arm stretcher!

This patent-pending technological innovation increases the volumetric measuring area of your ROMER portable CMM by a factor of 2.5 without increasing arm measuring uncertainty.

- Enhances measuring accuracies since all point locations are known and there is no accumulative error when relocating within the measurement volume, as found in the old "leapfrog" method. Volumetric repeatability is $\pm .002$ inches. The SPACELOK™ does not effect arm accuracy.
- Currently used for measuring internal volumes such as cockpits, fuselages, trailers, fiberglass hulls, truck beds / bodies, cradles, machine bases and oil field equipment.
- After referencing the ROMER arm to one of the three SPACELOK facets, the user repositions the arm and touches off three points and the system *automatically* relocates.
- Zero setup time means you can measure immediately for rapid results.
- No user interface needed and nothing additional required for operation. Simply setup and begin measuring your large-volume challenges.

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Version B