

# SPACELOK

The arm extender!

ROMER CimCore is proud to introduce the **NEW** patent-pending SPACELOK™, a technology innovation that increases the volumetric measuring area of your ROMER CimCore portable CMM by a factor of 2.5 without increasing arm measuring uncertainty.



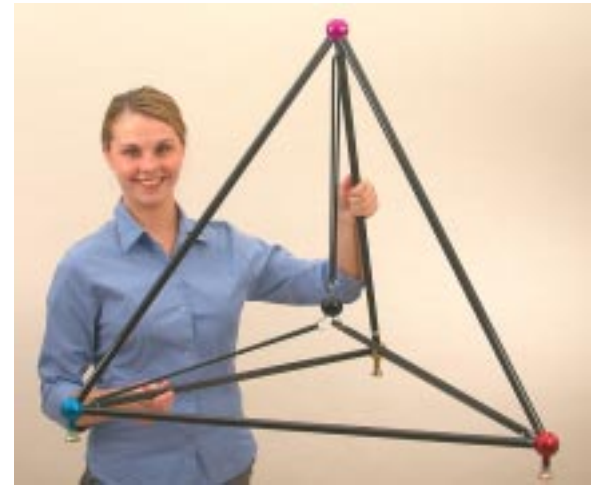
**No leap-frogging!**

**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 leapfrog method. Volumetric repeatability is  $\pm .002$  in. 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.

**Compatible** with ROMER's 8-, 9-, 10- and 12 ft. STINGER II™ and 3000i™ portable CMMs.



Portable configuration show disassmbled (left) and assembled (above).

**Zero set-up time** means you can measure immediately for rapid results.

**No user interface needed** and nothing additional required for operation. Simply set-up and begin measuring your large-volume challenges.

**Available in a permanently assembled or portable configuration.** The portable configuration is easily assembled and disassembled for transport and storage.

Data subject to change without notice. Please visit the [www.romer.com](http://www.romer.com) website for the latest information.

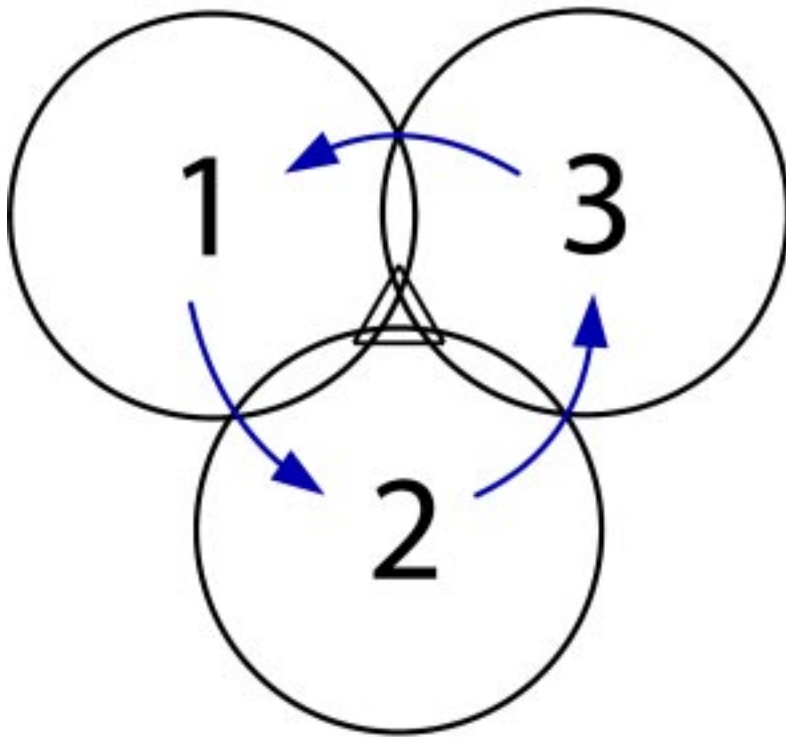
Revision B



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**ROMER**  
cimcore

## New SpaceLOK Technology



### SpaceLOK™ Avoids Accumulating Uncertainty

The circles in the illustrations represent the measuring volumes of a ROMER 12 foot portable CMM. The triangles in the middle of the diagrams represent the SpaceLOK tetrahedrals while the red boxes in the illustration below represent leap-frog targets.

Unlike the leap-frog method of shifting measuring volumes, the SpaceLOK method does not stackup or accumulate measuring uncertainty. The  $\pm .002$  uncertainty remains constant as the pickup points on the SpaceLOK are pre-qualified and constant. The chart compares the relative performance of 3 leaps using the two methods and illustrates the superiority of the SpaceLOK technology.

## Old Leap-Frog Method

