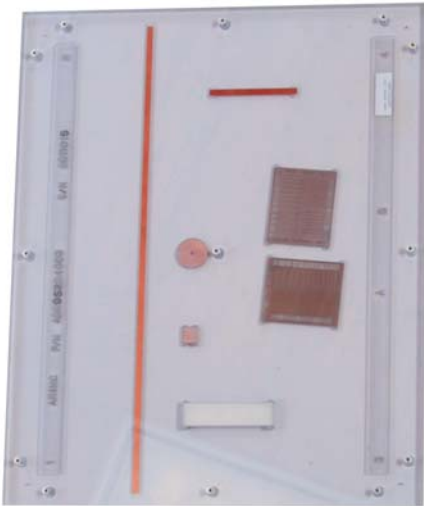




[www.starrview.com](http://www.starrview.com)

## NIST Certified Control Panel Phantom



Computed Radiography (CR) equipment should be checked intermittently against a baseline process control test to verify expected results and confirm the long term stability of the system. Quality Assurance evaluations and process control tests require some type of test target to establish an initial level of performance which is then used as a baseline measurement so subsequent tests can evaluate the stability and performance of the system. VMI's Control Panel Phantom was developed in conjunction with the Department of the Navy Metrology and Calibration Program Office in Corona, California and is the official design adopted by the US Navy's NAVAIR division for use in all NAVAIR Computed Radiography programs. VMI's Control Panel Phantom is the only NIST certified CR test panel available that meets the requirements prescribed for measuring geometric distortion (linearity), spatial resolution and contrast sensitivity. Additionally, each of VMI's Control Panel Phantoms is inspected and certified to adhere to the specifications of ASTM E1647.

### Control Panel Specifications:

<b>Dimensions</b>	17" L x 14" W x 0.5" H (43.1cm L x 35.5 cm W x 1.5 cm H)
<b>Weight</b>	5 lb (2.2 kg)

#### Targets:

<b>Copper Calibration Disc</b>	1" Diameter x 3/16" Thick with .125" concentric cut-out
<b>Aluminum Contrast Gage</b>	1/2" Thick with etched recesses of 1%, 2%, 3% and 4%
<b>Copper Square</b>	1/2" x 1/2" x 3/16"
<b>Copper Jitter Target</b>	16" Long x .20" Wide x .02" Thick
<b>Copper Afterglow Target</b>	3" Long x .215" wide x 0.02" Thick
<b>X-Axis Line Pair Gage</b>	0.6 to 10.00mm Line Pair on .05 mm Lead Foil
<b>Y-Axis Line Pair Gage</b>	0.6 to 10.00mm Line Pair on .05 mm Lead Foil
<b>Steel Measurement Points</b>	Placed at corners to provide measurement points of 12.5" on the X-Axis and 15.5" on the Y-Axis

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