



U.S. Army Aeromedical
Research Laboratory

Fort Rucker, Alabama

FOCUS HEADFORM



Facial and Ocular
Countermeasures
for Safety
Headform



www.usaarl.army.mil

Facial and Ocular Countermeasures for Safety Headform

The Facial and Ocular Countermeasures for Safety Headform (**FOCUS**) is a unique research headform used by scientists to test and evaluate protective devices without using human or animal subjects.

FOCUS incorporates the properties of real human tissue consistent in thickness and force-deflection response to a real human face. The headform is segmented into five facial bones and may be equipped with different eyes for measuring penetrating or blunt impacts.

Each **FOCUS** bone segment and eye is monitored from all directions. Injuries resulting from penetrating and blunt impacts are predicted by correlating measured loads to known failure limits of the human skull and eye.



FOCUS provides scientific data used to improve equipment and increase survivability. **FOCUS** will lead to the development of improved equipment standards; help reduce morbidity and mortality associated with facial injury; and save Soldiers' eyesight.



For more information please visit:

<http://www.usaarl.army.mil>

or contact:

Science Information Center

Post Office Box 620577

Fort Rucker, Alabama 36362-0577

ssc@amedd.army.mil

(334) 255-6906

U.S. Army Medical
Research & Materiel Command
Ft. Detrick, Maryland



U.S. Army
Medical Command
Ft. Sam Houston, Texas